

Global food demand and the sustainable intensification

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Human Plague. , 0, , 184-195.		0
4	Food for thought. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19845-19846.	3.3	43
5	Social innovation and sustainability; how to disentangle the buzzword and its application in the field of agriculture and rural development. Studies in Agricultural Economics, 2012, 114, 57-63.	0.8	137
6	Pushing the Planetary Boundaries. Science, 2012, 338, 1419-1420.	6.0	24
7	Projections of climate change impacts on crop production: A global and a Nordic perspective. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 166-180.	0.2	14
8	Should REDD+ fund "sustainable intensification" as a means of reducing tropical deforestation?. Carbon Management, 2012, 3, 117-120.	1.2	3
9	Models and tests of optimal density and maximal yield for crop plants. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15823-15828.	3.3	73
10	Micro-Level Management of Agricultural Inputs: Emerging Approaches. Agronomy, 2012, 2, 321-357.	1.3	16
11	Pushing the Planetary Boundaries"Response. Science, 2012, 338, 1420-1420.	6.0	0
12	Land Management and Ecosystem Services How Collaborative Research Programmes Can Support Better Policies. Gaia, 2012, 21, 55-63.	0.3	24
13	Recent patterns of crop yield growth and stagnation. Nature Communications, 2012, 3, 1293.	5.8	1,146
14	Faustian bargains? Restoration realities in the context of biodiversity offset policies. Biological Conservation, 2012, 155, 141-148.	1.9	394
15	Planetary Stewardship in an Urbanizing World: Beyond City Limits. Ambio, 2012, 41, 787-794.	2.8	189
16	Lost food, wasted resources: Global food supply chain losses and their impacts on freshwater, cropland, and fertiliser use. Science of the Total Environment, 2012, 438, 477-489.	3.9	896
17	Integrating the complexity of global change pressures on land and water. Global Food Security, 2012, 1, 88-93.	4.0	10
18	Megatrends in agriculture " Views for discontinuities in past and future developments. Global Food Security, 2012, 1, 99-105.	4.0	19
19	Biofuels on the landscape: Is "land sharing" preferable to "land sparing"? Ecological Applications, 2012, 22, 2035-2048.	1.8	39
20	Agriculture and Climate Change. , 2012, , 3-11.		16

#	ARTICLE	IF	CITATIONS
21	Biodiversity & Environmental Sustainability amid Human Domination of Global Ecosystems. <i>Daedalus</i> , 2012, 141, 108-120.	0.9	16
23	Status and Solutions for the World's Unassessed Fisheries. <i>Science</i> , 2012, 338, 517-520.	6.0	621
24	Closing yield gaps through nutrient and water management. <i>Nature</i> , 2012, 490, 254-257.	13.7	2,055
25	Land sparing or sharing? Exploring livestock fodder options in combination with land use zoning and consequences for livelihoods and net carbon stocks using the FALLOW model. <i>Agriculture, Ecosystems and Environment</i> , 2012, 159, 145-160.	2.5	47
26	The role for scientists in tackling food insecurity and climate change. <i>Agriculture and Food Security</i> , 2012, 1, .	1.6	69
27	Increasing Food Production in Africa by Boosting the Productivity of Understudied Crops. <i>Agronomy</i> , 2012, 2, 240-283.	1.3	56
28	How can climate policy benefit from comprehensive land-use approaches?. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 438-445.	1.9	28
29	Evolution not revolution of farming systems will best feed and green the world. <i>Global Food Security</i> , 2012, 1, 106-113.	4.0	78
30	Sensitivity of biogenic isoprene emissions to past, present, and future environmental conditions and implications for atmospheric chemistry. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	69
31	A vision for attaining food security. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 7-17.	3.1	140
32	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. <i>Trends in Microbiology</i> , 2012, 20, 449-458.	3.5	187
33	Precision Editing of Large Animal Genomes. <i>Advances in Genetics</i> , 2012, 80, 37-97.	0.8	102
34	Climate Change and Food Systems. <i>Annual Review of Environment and Resources</i> , 2012, 37, 195-222.	5.6	1,569
35	Committed carbon emissions, deforestation, and community land conversion from oil palm plantation expansion in West Kalimantan, Indonesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7559-7564.	3.3	351
36	An Automated Cropland Classification Algorithm (ACCA) for Tajikistan by Combining Landsat, MODIS, and Secondary Data. <i>Remote Sensing</i> , 2012, 4, 2890-2918.	1.8	68
37	Biofuels: the food versus fuel debate.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-8.	0.6	8
38	Wheat grain yield on saline soils is improved by an ancestral Na ⁺ transporter gene. <i>Nature Biotechnology</i> , 2012, 30, 360-364.	9.4	690
39	Securing natural capital and expanding equity to rescale civilization. <i>Nature</i> , 2012, 486, 68-73.	13.7	190

#	ARTICLE	IF	CITATIONS
40	What conservationists need to know about farming. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2714-2724.	1.2	203
41	Uncertainty in ecosystem services valuation and implications for assessing land use tradeoffs: An agricultural case study in the Minnesota River Basin. Ecological Economics, 2012, 79, 71-79.	2.9	122
42	Cassava aboutâ€œ<sc>FACE</sc>: Greater than expected yield stimulation of cassava (<i><sc>M</sc>anihot esculenta</i>) by future <sc>CO</sc>₂ levels. Global Change Biology, 2012, 18, 2661-2675.	4.2	68
43	Elements of a dynamic systems model of canopy photosynthesis. Current Opinion in Plant Biology, 2012, 15, 237-244.	3.5	83
44	Is agricultural intensification in The Netherlands running up to its limits?. Njas - Wageningen Journal of Life Sciences, 2013, 66, 65-73.	7.9	59
45	Building bridges: an integrated strategy for sustainable food production throughout the value chain. Molecular Breeding, 2013, 32, 743-770.	1.0	28
46	Responses of Phytoplankton and Hyalella azteca to Agrichemical Mixtures in a Constructed Wetland Mesocosm. Archives of Environmental Contamination and Toxicology, 2013, 65, 474-485.	2.1	5
47	Methane and nitrous oxide emissions as affected by organicâ€œinorganic mixed fertilizer from a rice paddy in southeast China. Journal of Soils and Sediments, 2013, 13, 1408-1417.	1.5	46
48	Der verborgene Hunger. , 2013, , .		10
49	Spatial-temporal changes of cropland and climate potential productivity in northern China during 1990â€œ2010. Food Security, 2013, 5, 499-512.	2.4	39
50	Effects of urbanization on arable land requirements in China, based on food consumption patterns. Food Security, 2013, 5, 439-449.	2.4	36
51	Managing a secondâ€œgeneration crop portfolio through sustainable intensification: Examples from the <sc>USA</sc> and the <sc>EU</sc>. Biofuels, Bioproducts and Biorefining, 2013, 7, 702-714.	1.9	70
52	Food commodities from microalgae. Current Opinion in Biotechnology, 2013, 24, 169-177.	3.3	333
53	Life cycle assessment of bio-based products: a disposable diaper case study. International Journal of Life Cycle Assessment, 2013, 18, 1036-1047.	2.2	48
54	Forest bolsters bird abundance, pest control and coffee yield. Ecology Letters, 2013, 16, 1339-1347.	3.0	322
55	Sustaining biodiversity and people in the world's anthropogenic biomes. Current Opinion in Environmental Sustainability, 2013, 5, 368-372.	3.1	70
56	Food production and climate protectionâ€œWhat abandoned lands can do to preserve natural forests. Global Environmental Change, 2013, 23, 1064-1072.	3.6	35
57	The contribution of food waste to global and European nitrogen pollution. Environmental Science and Policy, 2013, 33, 186-195.	2.4	120

#	ARTICLE	IF	CITATIONS
58	Sustainable Intensification in Agriculture: Premises and Policies. <i>Science</i> , 2013, 341, 33-34.	6.0	1,233
59	Delivering food security without increasing pressure on land. <i>Global Food Security</i> , 2013, 2, 18-23.	4.0	264
60	Optimal crop canopy architecture to maximise canopy photosynthetic CO ₂ uptake under elevated CO ₂ – a theoretical study using a mechanistic model of canopy photosynthesis. <i>Functional Plant Biology</i> , 2013, 40, 108.	1.1	179
61	Land cover dynamics following a deforestation ban in northern Costa Rica. <i>Environmental Research Letters</i> , 2013, 8, 034017.	2.2	80
62	Human impacts on minimum subsets of species critical for maintaining ecosystem structure. <i>Basic and Applied Ecology</i> , 2013, 14, 623-629.	1.2	3
63	Mapping global land system archetypes. <i>Global Environmental Change</i> , 2013, 23, 1637-1647.	3.6	160
64	The role of water harvesting to achieve sustainable agricultural intensification and resilience against water related shocks in sub-Saharan Africa. <i>Agriculture, Ecosystems and Environment</i> , 2013, 181, 69-79.	2.5	107
65	Affluence drives the global displacement of land use. <i>Global Environmental Change</i> , 2013, 23, 433-438.	3.6	483
66	Closing the yield gap could reduce projected greenhouse gas emissions: a case study of maize production in China. <i>Global Change Biology</i> , 2013, 19, 2467-2477.	4.2	151
67	Beyond climate-smart agriculture: toward safe operating spaces for global food systems. <i>Agriculture and Food Security</i> , 2013, 2, .	1.6	109
68	Potassium–sodium interactions in soil and plant under saline–sodic conditions. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 344-354.	1.1	142
69	Challenges and opportunities in mapping land use intensity globally. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 484-493.	3.1	279
70	Accelerating plant breeding. <i>Trends in Plant Science</i> , 2013, 18, 667-672.	4.3	73
72	Scope for improved eco-efficiency varies among diverse cropping systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8381-8386.	3.3	85
73	Crop Productivity and the Global Livestock Sector: Implications for Land Use Change and Greenhouse Gas Emissions. <i>American Journal of Agricultural Economics</i> , 2013, 95, 442-448.	2.4	102
74	Food production vs. biodiversity: comparing organic and conventional agriculture. <i>Journal of Applied Ecology</i> , 2013, 50, 355-364.	1.9	198
75	QTL-seq: rapid mapping of quantitative trait loci in rice by whole genome resequencing of DNA from two bulked populations. <i>Plant Journal</i> , 2013, 74, 174-183.	2.8	1,065
76	Ridge-Furrow Mulching Systems – An Innovative Technique for Boosting Crop Productivity in Semiarid Rain-Fed Environments. <i>Advances in Agronomy</i> , 2013, , 429-476.	2.4	453

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77	Is forest certification targeting areas of high biodiversity in cork oak savannas?. <i>Biodiversity and Conservation</i> , 2013, 22, 93-112.	1.2	16
78	Sustainability research: Organizational challenge for intermediary research institutes. <i>Njas - Wageningen Journal of Life Sciences</i> , 2013, 66, 75-81.	7.9	13
79	The productivity of traditional rice–fish co-culture can be increased without increasing nitrogen loss to the environment. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 28-34.	2.5	72
80	Rapidly Intensified Beef Production in Uruguay: Impacts on Water-related Ecosystem Services. <i>Aquatic Procedia</i> , 2013, 1, 77-87.	0.9	12
81	Global Agriculture and Climate Change. <i>Journal of Crop Improvement</i> , 2013, 27, 667-692.	0.9	33
82	Land system change and food security: towards multi-scale land system solutions. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 494-502.	3.1	117
83	Potential water saving through changes in European diets. <i>Environment International</i> , 2013, 61, 45-56.	4.8	120
84	Food Versus Fuel: Extractive Industries, Insecure Land Tenure, and Gaps in World Food Production. <i>World Development</i> , 2013, 51, 62-70.	2.6	7
85	A conceptual framework for analysing and measuring land-use intensity. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 464-470.	3.1	236
86	A preliminary precision rice management system for increasing both grain yield and nitrogen use efficiency. <i>Field Crops Research</i> , 2013, 154, 23-30.	2.3	58
87	A survey-based exploration of land-system dynamics in an agricultural region of Northeast China. <i>Agricultural Systems</i> , 2013, 121, 106-116.	3.2	37
88	A global map for road building. <i>Nature</i> , 2013, 495, 308-309.	13.7	158
89	On the hope for biodiversity-friendly tropical landscapes. <i>Trends in Ecology and Evolution</i> , 2013, 28, 462-468.	4.2	328
90	Potential of Insects as Food and Feed in Assuring Food Security. <i>Annual Review of Entomology</i> , 2013, 58, 563-583.	5.7	1,191
91	Transforming agriculture in China: From solely high yield to both high yield and high resource use efficiency. <i>Global Food Security</i> , 2013, 2, 1-8.	4.0	100
93	Climate change and sustainable food production. <i>Proceedings of the Nutrition Society</i> , 2013, 72, 21-28.	0.4	210
94	Comparison of pollinators and natural enemies: a meta-analysis of landscape and local effects on abundance and richness in crops. <i>Biological Reviews</i> , 2013, 88, 1002-1021.	4.7	202
95	Impacts of logging and conversion of rainforest to oil palm on the functional diversity of birds in <i>undaland</i> . <i>Ibis</i> , 2013, 155, 313-326.	1.0	86

#	ARTICLE	IF	CITATIONS
96	In-Season Root-Zone N Management for Mitigating Greenhouse Gas Emission and Reactive N Losses in Intensive Wheat Production. <i>Environmental Science & Technology</i> , 2013, 47, 6015-6022.	4.6	119
97	Native bees buffer the negative impact of climate warming on honey bee pollination of watermelon crops. <i>Global Change Biology</i> , 2013, 19, 3103-3110.	4.2	133
98	Ecological intensification: harnessing ecosystem services for food security. <i>Trends in Ecology and Evolution</i> , 2013, 28, 230-238.	4.2	1,325
99	The meat of the global food crisis. <i>Journal of Peasant Studies</i> , 2013, 40, 65-85.	3.0	90
100	Global agricultural expansion and carnivore conservation biogeography. <i>Biological Conservation</i> , 2013, 165, 162-170.	1.9	39
101	How much land-based greenhouse gas mitigation can be achieved without compromising food security and environmental goals?. <i>Global Change Biology</i> , 2013, 19, 2285-2302.	4.2	454
102	Agriculture in the climate change negotiations; ensuring that food production is not threatened. <i>Animal</i> , 2013, 7, 206-211.	1.3	11
103	Development and application of electronic nose for agricultural robot. , 2013, , .		9
104	Agricultural innovation to protect the environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8345-8348.	3.3	141
105	Responses of Root Growth and Nitrogen Transfer Metabolism to Uniconazole, a Growth Retardant, during the Seedling Stage of Soybean under Relay Strip Intercropping System. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 3267-3280.	0.6	21
106	Agricultural landscape simplification does not consistently drive insecticide use. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15330-15335.	3.3	51
107	Responding to climate change and the global land crisis: REDD+, market transformation and low-emissions rural development. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120167.	1.8	61
108	Yield-scaled global warming potential of annual nitrous oxide and methane emissions from continuously flooded rice in response to nitrogen input. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 10-20.	2.5	133
109	Adapting crops and cropping systems to future climates to ensure food security: The role of crop modelling. <i>Global Food Security</i> , 2013, 2, 24-28.	4.0	70
110	Seed exchange networks for agrobiodiversity conservation. A review. <i>Agronomy for Sustainable Development</i> , 2013, 33, 151-175.	2.2	179
111	Eco-Evolutionary Dynamics of Agricultural Networks. <i>Advances in Ecological Research</i> , 2013, 49, 339-435.	1.4	54
112	A certain wholeness: The dividends of conservation. <i>Journal of Soils and Water Conservation</i> , 2013, 68, 155A-158A.	0.8	0
114	Climate adaptation as mitigation: the case of agricultural investments. <i>Environmental Research Letters</i> , 2013, 8, 015012.	2.2	78

#	ARTICLE	IF	CITATIONS
115	Life-cycle assessment of the intensity of production on the greenhouse gas emissions and economics of grass-based suckler beef production systems. <i>Journal of Agricultural Science</i> , 2013, 151, 714-726.	0.6	10
116	Ecology, economy and management of an agroindustrial frontier landscape in the southeast Amazon. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120152.	1.8	70
117	The nitrogen cascade from agricultural soils to the sea: modelling nitrogen transfers at regional watershed and global scales. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130123.	1.8	184
118	Socioeconomic development and agricultural intensification in Mato Grosso. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120168.	1.8	80
119	Global human appropriation of net primary production doubled in the 20th century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10324-10329.	3.3	501
120	Redefining agricultural yields: from tonnes to people nourished per hectare. <i>Environmental Research Letters</i> , 2013, 8, 034015.	2.2	444
121	Yield Trends Are Insufficient to Double Global Crop Production by 2050. <i>PLoS ONE</i> , 2013, 8, e66428.	1.1	2,328
122	Agricultural productivity and greenhouse gas emissions: trade-offs or synergies between mitigation and food security?. <i>Environmental Research Letters</i> , 2013, 8, 035019.	2.2	144
123	Embodied crop calories in animal products. <i>Environmental Research Letters</i> , 2013, 8, 044044.	2.2	37
124	A meta-analysis of responses of canopy photosynthetic conversion efficiency to environmental factors reveals major causes of yield gap. <i>Journal of Experimental Botany</i> , 2013, 64, 3723-3733.	2.4	45
125	Toward a protocol for quantifying the greenhouse gas balance and identifying mitigation options in smallholder farming systems. <i>Environmental Research Letters</i> , 2013, 8, 021003.	2.2	42
126	Agricultural intensification escalates future conservation costs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7601-7606.	3.3	146
127	Food sustainability: problems, perspectives and solutions. <i>Proceedings of the Nutrition Society</i> , 2013, 72, 29-39.	0.4	252
128	A Constrained Outlook for EU Agriculture. <i>Outlook on Agriculture</i> , 2013, 42, 219-224.	1.8	0
129	Crop Expansion and Conservation Priorities in Tropical Countries. <i>PLoS ONE</i> , 2013, 8, e51759.	1.1	236
130	Next generation biorefineries will solve the food, biofuels, and environmental trilemma in the energy-water nexus. <i>Energy Science and Engineering</i> , 2013, 1, 27-41.	1.9	90
131	Sustainability and Biodiversity. , 2013, , 71-84.		11
132	Improvements in crop water productivity increase water sustainability and food security—a global analysis. <i>Environmental Research Letters</i> , 2013, 8, 024030.	2.2	187

#	ARTICLE	IF	CITATIONS
133	Making Sense of Agrobiodiversity, Diet, and Intensification of Smallholder Family Farming in the Highland Andes of Ecuador. <i>Ecology of Food and Nutrition</i> , 2013, 52, 515-541.	0.8	71
134	Farm practices for food safety: an emerging threat to floodplain and riparian ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 236-242.	1.9	51
135	Bioenergy: how much can we expect for 2050?. <i>Environmental Research Letters</i> , 2013, 8, 031004.	2.2	86
136	Water-controlled wealth of nations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4230-4233.	3.3	108
137	Increasing global crop harvest frequency: recent trends and future directions. <i>Environmental Research Letters</i> , 2013, 8, 044041.	2.2	164
138	Modeling biofuel expansion effects on land use change dynamics. <i>Environmental Research Letters</i> , 2013, 8, 015003.	2.2	31
139	More food, more forests, fewer emissions, better livelihoods: linking REDD+, sustainable supply chains and domestic policy in Brazil, Indonesia and Colombia. <i>Carbon Management</i> , 2013, 4, 639-658.	1.2	68
140	Synergistic effects of non- <i>Apis</i> bees and honey bees for pollination services. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122767.	1.2	290
141	Used planet: A global history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7978-7985.	3.3	611
142	Global Agriculture and Climate Change. , 2013, , 11-28.		4
143	Probabilistic estimation of future emissions of isoprene and surface oxidant chemistry associated with land-use change in response to growing food needs. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5451-5472.	1.9	26
144	Modeling the effects of irrigation on land surface fluxes and states over the conterminous United States: Sensitivity to input data and model parameters. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9789-9803.	1.2	103
145	Advances in Remote Sensing of Agriculture: Context Description, Existing Operational Monitoring Systems and Major Information Needs. <i>Remote Sensing</i> , 2013, 5, 949-981.	1.8	641
146	Fish, feeds, and food security. <i>Animal Frontiers</i> , 2013, 3, 28-34.	0.8	14
147	Green Water and Global Food Security. <i>Vadose Zone Journal</i> , 2013, 12, 1-6.	1.3	66
148	Intraseasonal Changes in Switchgrass Nitrogen Distribution Compared with Corn. <i>Agronomy Journal</i> , 2013, 105, 285-294.	0.9	29
149	Retention of Tannin is Associated with Decreased Soluble Nitrogen and Increased Cation Exchange Capacity in a Broad Range of Soils. <i>Soil Science Society of America Journal</i> , 2013, 77, 1199-1213.	1.2	12
150	Current and Future Land Use around a Nationwide Protected Area Network. <i>PLoS ONE</i> , 2013, 8, e55737.	1.1	74

#	ARTICLE	IF	CITATIONS
151	Donaldâ€™s Ideotype and Growth Redundancy: A Pot Experimental Test Using an Old and a Modern Spring Wheat Cultivar. PLoS ONE, 2013, 8, e70006.	1.1	32
152	Plant-Based Assessment of Inherent Soil Productivity and Contributions to Chinaâ€™s Cereal Crop Yield Increase since 1980. PLoS ONE, 2013, 8, e74617.	1.1	43
153	From Food Insufficiency towards Trade Dependency: A Historical Analysis of Global Food Availability. PLoS ONE, 2013, 8, e82714.	1.1	188
154	Global population growth, food security and food and farming for the future. , 0, , 23-38.		5
155	How Eco-Efficient Are Low-Input Cropping Systems in Western Europe, and What Can Be Done to Improve Their Eco-Efficiency?. Sustainability, 2013, 5, 3722-3743.	1.6	32
156	Assessing the Potential for Ion Selective Electrodes and Dual Wavelength UV Spectroscopy as a Rapid on-Farm Measurement of Soil Nitrate Concentration. Agriculture (Switzerland), 2013, 3, 327-341.	1.4	14
157	The Realized Yield Effect of Genetically Engineered Crops: U.S. Maize and Soybean. Crop Science, 2013, 53, 735-745.	0.8	58
158	Reaping the benefits of plant science for food security. , 0, , 5-22.		0
159	Bioenergy. , 2013, , .		1
160	Integrating agricultural expansion into conservation biogeography: conflicts and priorities. Frontiers of Biogeography, 2014, 6, .	0.8	0
161	Planting Pattern and Irrigation Effects on Waterâ€™Use Efficiency of Winter Wheat. Crop Science, 2014, 54, 1166-1174.	0.8	12
162	Structure, Composition and Metagenomic Profile of Soil Microbiomes Associated to Agricultural Land Use and Tillage Systems in Argentine Pampas. PLoS ONE, 2014, 9, e99949.	1.1	191
163	FUTURE SCENARIOS OF RISK OF HUNGER USING SHARED SOCIOECONOMIC PATHWAYS. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2014, 70, I_1-I_12.	0.1	2
164	Regime Shift in Fertilizer Commodities Indicates More Turbulence Ahead for Food Security. PLoS ONE, 2014, 9, e93998.	1.1	51
165	Increased Productivity of a Cover Crop Mixture Is Not Associated with Enhanced Agroecosystem Services. PLoS ONE, 2014, 9, e97351.	1.1	82
166	Establishing a Regional Nitrogen Management Approach to Mitigate Greenhouse Gas Emission Intensity from Intensive Smallholder Maize Production. PLoS ONE, 2014, 9, e98481.	1.1	33
167	Global Agricultural Land Resources â€™ A High Resolution Suitability Evaluation and Its Perspectives until 2100 under Climate Change Conditions. PLoS ONE, 2014, 9, e107522.	1.1	269
168	The role played by water in the biosphere. , 0, , 2-44.		0

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169	Food production: a mega water challenge. , 0, , 142-171.		0
170	An Investigation of Generalized Differential Evolution Metaheuristic for Multiobjective Optimal Crop-Mix Planning Decision. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	3
171	Slow Lives in the Fast Landscape: Conservation and Management of Plethodontid Salamanders in Production Forests of the United States. Forests, 2014, 5, 2750-2772.	0.9	12
172	Mapping Land Management Regimes in Western Ukraine Using Optical and SAR Data. Remote Sensing, 2014, 6, 5279-5305.	1.8	34
173	Potential of Underutilized Traditional Vegetables and Legume Crops to Contribute to Food and Nutritional Security, Income and More Sustainable Production Systems. Sustainability, 2014, 6, 319-335.	1.6	258
174	A Scale-Explicit Framework for Conceptualizing the Environmental Impacts of Agricultural Land Use Changes. Sustainability, 2014, 6, 8432-8451.	1.6	14
175	Global Changes and Drivers of the Water Footprint of Food Consumption: A Historical Analysis. Water (Switzerland), 2014, 6, 1435-1452.	1.2	16
176	Climate-driven interannual variability of water scarcity in food production potential: a global analysis. Hydrology and Earth System Sciences, 2014, 18, 447-461.	1.9	101
177	Biotechnology and Abiotic Stress Tolerance in Rice. Rice Research Open Access, 2014, 2, .	0.4	53
178	Towards decision-based global land use models for improved understanding of the Earth system. Earth System Dynamics, 2014, 5, 117-137.	2.7	88
179	The tragedy of the tragedy of the commons. Ideas in Ecology and Evolution, 2014, 7, .	0.1	1
180	Determining the optimal nitrogen rate for summer maize in China by integrating agronomic, economic, and environmental aspects. Biogeosciences, 2014, 11, 3031-3041.	1.3	37
181	Do Current European Policies Prevent Soil Threats and Support Soil Functions?. Sustainability, 2014, 6, 9538-9563.	1.6	82
182	Trade-offs between high yields and greenhouse gas emissions in irrigation wheat cropland in China. Biogeosciences, 2014, 11, 2287-2294.	1.3	17
183	Prioritising Land-Use Decisions for the Optimal Delivery of Ecosystem Services and Biodiversity Protection in Productive Landscapes. , 2014, , .		1
184	Arrested recovery in a sandy woodland correlates with a lack of heavy and long seeds in the seed bank. Ecosphere, 2014, 5, art70.	1.0	6
185	High Frequency Embryogenic Callus Induction and Whole Plant Regeneration in Japonica Rice Cv. Kitaake. Rice Research Open Access, 2014, 2, .	0.4	5
186	Projected land-use change impacts on ecosystem services in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7492-7497.	3.3	557

#	ARTICLE	IF	CITATIONS
187	Sustainable intensification in agricultural systems. <i>Annals of Botany</i> , 2014, 114, 1571-1596.	1.4	575
188	Mapping and monitoring of land use changes in post-Soviet western Ukraine using remote sensing data. <i>Applied Geography</i> , 2014, 55, 155-164.	1.7	44
189	The imprint of crop choice on global nutrient needs. <i>Environmental Research Letters</i> , 2014, 9, 084014.	2.2	25
190	Rapid growth in agricultural trade: effects on global area efficiency and the role of management. <i>Environmental Research Letters</i> , 2014, 9, 034015.	2.2	184
191	The water footprint of agricultural products in European river basins. <i>Environmental Research Letters</i> , 2014, 9, 064007.	2.2	38
192	Getting caught with our plants down: the risks of a global crop yield slowdown from climate trends in the next two decades. <i>Environmental Research Letters</i> , 2014, 9, 074003.	2.2	82
193	Assessing non-CO2 climate-forcing emissions and mitigation in sub-Saharan Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 65-72.	3.1	25
194	Climate adaptation imperatives: untapped global maize yield opportunities. <i>International Journal of Agricultural Sustainability</i> , 2014, 12, 471-486.	1.3	17
195	The challenge of feeding 9â€“10 billion people equitably and sustainably. <i>Journal of Agricultural Science</i> , 2014, 152, 2-8.	0.6	42
196	Precision Agriculture in Potato Production. <i>Potato Research</i> , 2014, 57, 249-262.	1.2	32
197	Deconstructing and unpacking scientific controversies in intensification and sustainability: why the tensions in concepts and values?. <i>Current Opinion in Environmental Sustainability</i> , 2014, 8, 80-88.	3.1	85
198	Sustainability of Human Ecological Niche Construction. <i>Ecology and Society</i> , 2014, 19, .	1.0	6
199	Modeling the Impacts of Future Climate Change on Irrigation over China: Sensitivity to Adjusted Projections. <i>Journal of Hydrometeorology</i> , 2014, 15, 2085-2103.	0.7	28
200	Complementarity of socio-economic and emergy evaluation of agricultural production systems: The case of Slovenian dairy sector. <i>Ecological Economics</i> , 2014, 107, 469-481.	2.9	37
201	The error in agricultural systems model prediction depends on the variable being predicted. <i>Environmental Modelling and Software</i> , 2014, 62, 487-494.	1.9	11
202	Climate Strategic Soil Management. <i>Challenges</i> , 2014, 5, 43-74.	0.9	25
203	Sustaining ecosystem services in cultural landscapes. <i>Ecology and Society</i> , 2014, 19, .	1.0	101
204	Genomic dissection of the seed. <i>Frontiers in Plant Science</i> , 2014, 5, 464.	1.7	29

#	ARTICLE	IF	CITATIONS
205	Environmental Sustainability of Alpine Livestock Farms. Italian Journal of Animal Science, 2014, 13, 3155.	0.8	99
206	TEF-7A, a transcript elongation factor gene, influences yield-related traits in bread wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	96
207	Cultivar diversity as a means of ecologically intensifying dry matter production in a perennial forage stand. Ecosphere, 2014, 5, art115.	1.0	5
208	Feeding humanity through global food trade. Earth's Future, 2014, 2, 458-469.	2.4	300
209	Can arable forage production be intensified sustainably? A case study from northern Germany. Crop and Pasture Science, 2014, 65, 538.	0.7	8
210	Improving farming practices reduces the carbon footprint of spring wheat production. Nature Communications, 2014, 5, 5012.	5.8	215
211	Oviposition, adult longevity and temperature effects on the eggs of <i>Tetanocera elata</i> (<i>Fab.</i>) (<i>Diptera: Sциomyzidae</i>): a potential biocontrol agent for slugs. Journal of Applied Entomology, 2014, 138, 670-676.	0.8	6
212	Mapping Asian Cropping Intensity With MODIS. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3373-3379.	2.3	54
213	Salinity tolerance in soybean is modulated by natural variation in <i>GmSALT3</i> . Plant Journal, 2014, 80, 937-950.	2.8	217
214	Global market integration increases likelihood that a future African Green Revolution could increase crop land use and CO ₂ emissions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13799-13804.	3.3	107
215	The future of food demand: understanding differences in global economic models. Agricultural Economics (United Kingdom), 2014, 45, 51-67.	2.0	357
216	Can positive interactions between cultivated species help to sustain modern agriculture?. Frontiers in Ecology and the Environment, 2014, 12, 507-514.	1.9	50
217	Epilogue: global food security, rhetoric, and the sustainable intensification debate. Current Opinion in Environmental Sustainability, 2014, 8, 71-79.	3.1	68
218	Co-benefits, trade-offs, barriers and policies for greenhouse gas mitigation in the agriculture, forestry and other land use (<i>AFOLU</i>) sector. Global Change Biology, 2014, 20, 3270-3290.	4.2	137
219	Effects of agricultural environmental schemes on farmland birds: do food availability measurements improve patterns obtained from simple habitat models?. Ecology and Evolution, 2014, 4, 2834-2847.	0.8	25
220	Insect pollination and self-incompatibility in edible and/or medicinal crops in southwestern China, a global hotspot of biodiversity. American Journal of Botany, 2014, 101, 1700-1710.	0.8	18
221	GLOBAL DRIVERS SETTING DESERTIFICATION RESEARCH PRIORITIES: INSIGHTS FROM A STAKEHOLDER CONSULTATION FORUM. Land Degradation and Development, 2014, 25, 5-16.	1.8	62
223	A tradeoff frontier for global nitrogen use and cereal production. Environmental Research Letters, 2014, 9, 054002.	2.2	100

#	ARTICLE	IF	CITATIONS
224	Influence of management and environment on Australian wheat: information for sustainable intensification and closing yield gaps. <i>Environmental Research Letters</i> , 2014, 9, 044005.	2.2	33
225	Biomass energy and the implications for climate and food. <i>Bulletin of the Atomic Scientists</i> , 2014, 70, 16-20.	0.2	2
226	Transition from Semi-Confinement to Pasture-Based Dairy in Brazil: Farmers's View of Economic and Environmental Performances. <i>Agroecology and Sustainable Food Systems</i> , 2014, 38, 995-1014.	1.0	15
227	Coadaptation of Plants to Multiple Stresses in Acidic Soils. <i>Soil Science</i> , 2014, 179, 503-513.	0.9	42
228	MyLand: a web-based and meta-model decision support system framework for spatial and temporal evaluation of integrated land use. <i>Scandinavian Journal of Forest Research</i> , 2014, 29, 108-120.	0.5	6
229	Climate adaptation imperatives: global sustainability trends and eco-efficiency metrics in four major crops – canola, cotton, maize, and soybeans. <i>International Journal of Agricultural Sustainability</i> , 2014, 12, 146-163.	1.3	12
230	The Impact of Globalization on Food and Agriculture: The Case of the Diet Convergence. <i>Journal of Environment and Development</i> , 2014, 23, 41-65.	1.6	25
231	Spatial Heterogeneity in Human Activities Favors the Persistence of Wolves in Agroecosystems. <i>PLoS ONE</i> , 2014, 9, e108080.	1.1	26
232	Impact of heat stress on crop yield on the importance of considering canopy temperature. <i>Environmental Research Letters</i> , 2014, 9, 044012.	2.2	151
233	Agricultural production and sustainable development in a Brazilian region (Southwest, São Paulo) Tj ETQq1 1 0.784314 rgBT /Overl... <i>International Journal of Sustainable Development and World Ecology</i> , 2014, 21, 422-429.	3.2	19
234	Food appropriation through large scale land acquisitions. <i>Environmental Research Letters</i> , 2014, 9, 064030.	2.2	58
235	Three perspectives on sustainable food security: efficiency, demand restraint, food system transformation. What role for life cycle assessment?. <i>Journal of Cleaner Production</i> , 2014, 73, 10-18.	4.6	227
236	Response of nitrous oxide emission to soil mulching and nitrogen fertilization in semi-arid farmland. <i>Agriculture, Ecosystems and Environment</i> , 2014, 188, 20-28.	2.5	105
237	Promoting GHG mitigation policies for agriculture and forestry: A case study in Guadeloupe, French West Indies. <i>Land Use Policy</i> , 2014, 39, 1-11.	2.5	7
238	Agroecological weed control using a functional approach: a review of cropping systems diversity. <i>Agronomy for Sustainable Development</i> , 2014, 34, 103-119.	2.2	130
239	The Role of Community Participation in Climate Change Assessment and Research. <i>Journal of Agricultural and Environmental Ethics</i> , 2014, 27, 65-85.	0.9	8
240	Effect of Native Vegetation Loss on Stream Ecosystem Processes: Dissolved Organic Matter Composition and Export in Agricultural Landscapes. <i>Ecosystems</i> , 2014, 17, 82-95.	1.6	18
241	Assessment of nitrate leaching loss on a yield-scaled basis from maize and wheat cropping systems. <i>Plant and Soil</i> , 2014, 374, 977-991.	1.8	130

#	ARTICLE	IF	CITATIONS
242	Breeding for value in a changing world: past achievements and future prospects. <i>New Forests</i> , 2014, 45, 301-309.	0.7	13
243	Climate-induced yield variability and yield gaps of maize (<i>Zea mays</i> L.) in the Central Rift Valley of Ethiopia. <i>Field Crops Research</i> , 2014, 160, 41-53.	2.3	97
244	Closing yield gaps in maize production in Southeast Asia through site-specific nutrient management. <i>Field Crops Research</i> , 2014, 156, 219-230.	2.3	66
245	Phenotyping and other breeding approaches for a New Green Revolution. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 422-424.	4.1	21
246	Silencing of the tomato Sugar Partitioning Affecting protein (<scp>SPA</scp>) modifies sink strength through a shift in leaf sugar metabolism. <i>Plant Journal</i> , 2014, 77, 676-687.	2.8	28
247	Crop Yield Gaps in Cameroon. <i>Ambio</i> , 2014, 43, 175-190.	2.8	42
248	Suriname: Reconciling agricultural development and conservation of unique natural wealth. <i>Land Use Policy</i> , 2014, 38, 627-636.	2.5	19
249	Field high-throughput phenotyping: the new crop breeding frontier. <i>Trends in Plant Science</i> , 2014, 19, 52-61.	4.3	1,306
250	The effect of bioenergy expansion: Food, energy, and environment. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 559-578.	8.2	683
251	Optimizing rice yields while minimizing yield-scaled global warming potential. <i>Global Change Biology</i> , 2014, 20, 1382-1393.	4.2	109
252	Estimated crop yield losses due to surface ozone exposure and economic damage in India. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7329-7338.	2.7	52
253	Achieving global food security whilst reconciling demands on the environment: report of the First International Conference on Global Food Security. <i>Food Security</i> , 2014, 6, 299-302.	2.4	15
254	Multiple cropping intensity in China derived from agro-meteorological observations and MODIS data. <i>Chinese Geographical Science</i> , 2014, 24, 205-219.	1.2	60
255	Synthetic biology approaches to engineering the nitrogen symbiosis in cereals. <i>Journal of Experimental Botany</i> , 2014, 65, 1939-1946.	2.4	160
256	Drivers of forest harvesting intensity patterns in Europe. <i>Forest Ecology and Management</i> , 2014, 315, 160-172.	1.4	147
257	Knowledge gaps and research needs concerning agroforestry's contribution to Sustainable Development Goals in Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014, 6, 162-170.	3.1	64
258	Mitigating the effects of insecticides on arthropod biological control at field and landscape scales. <i>Biological Control</i> , 2014, 75, 28-38.	1.4	130
259	Optimizing agri-environment schemes for biodiversity, ecosystem services or both?. <i>Biological Conservation</i> , 2014, 172, 65-71.	1.9	162

#	ARTICLE	IF	CITATIONS
260	The importance of reduced meat and dairy consumption for meeting stringent climate change targets. <i>Climatic Change</i> , 2014, 124, 79-91.	1.7	314
261	Closing yield gaps: perils and possibilities for biodiversity conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120285.	1.8	88
263	Limits on Yields in the Corn Belt. <i>Science</i> , 2014, 344, 484-485.	6.0	132
264	House dust mite (Der p 10) and crustacean allergic patients may react to food containing Yellow mealworm proteins. <i>Food and Chemical Toxicology</i> , 2014, 65, 364-373.	1.8	119
265	Making Hunger Yield. <i>Science</i> , 2014, 344, 699-700.	6.0	51
266	What is the potential for biogas digesters to improve soil fertility and crop production in Sub-Saharan Africa?. <i>Biomass and Bioenergy</i> , 2014, 70, 58-72.	2.9	50
267	The importance of native trees for forest bird conservation in tropical farmland. <i>Animal Conservation</i> , 2014, 17, 256-264.	1.5	23
268	Durable resistance: A key to sustainable management of pathogens and pests. <i>Infection, Genetics and Evolution</i> , 2014, 27, 446-455.	1.0	280
269	Spatio-temporal dynamics in the phenology of croplands across the Indo-Gangetic Plains. <i>Advances in Space Research</i> , 2014, 54, 710-725.	1.2	8
270	Efficient corn and soybean mapping with temporal extendability: A multi-year experiment using Landsat imagery. <i>Remote Sensing of Environment</i> , 2014, 140, 1-13.	4.6	262
271	Sustainable Food Production Includes Human and Environmental Health. <i>Integrated Science & Technology Program</i> , 2014, , .	0.7	4
272	Comparative analyses of C4 and C3 photosynthesis in developing leaves of maize and rice. <i>Nature Biotechnology</i> , 2014, 32, 1158-1165.	9.4	228
273	The conflation of needs and wants in sustainable intensification. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 489-490.	1.9	3
274	Ecological intensification of agricultureâ€”sustainable by nature. <i>Current Opinion in Environmental Sustainability</i> , 2014, 8, 53-61.	3.1	489
275	Pollination and Plant Resources Change the Nutritional Quality of Almonds for Human Health. <i>PLoS ONE</i> , 2014, 9, e90082.	1.1	50
276	Influence of varying nutrient and pesticide mixtures on abatement efficiency using a vegetated free water surface constructed wetland mesocosm. <i>Chemistry and Ecology</i> , 2014, 30, 280-294.	0.6	6
277	Solutions to the Agricultural Research Funding Conundrum. <i>Canadian Journal of Agricultural Economics</i> , 2014, 62, 7-22.	1.2	2
278	Land Sparring Versus Land Sharing: Moving Forward. <i>Conservation Letters</i> , 2014, 7, 149-157.	2.8	422

#	ARTICLE	IF	CITATIONS
279	Direct human influence on atmospheric CO2 seasonality from increased cropland productivity. <i>Nature</i> , 2014, 515, 398-401.	13.7	118
280	Global potential of biospheric carbon management for climate mitigation. <i>Nature Communications</i> , 2014, 5, 5282.	5.8	153
281	Putting meaning back into "sustainable intensification". <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 356-361.	1.9	267
282	Global diets link environmental sustainability and human health. <i>Nature</i> , 2014, 515, 518-522.	13.7	2,269
283	Changes in species' distributions during and after environmental change: which eco-evolutionary processes matter more?. <i>Ecography</i> , 2014, 37, 1210-1217.	2.1	17
284	A biogeochemical view of the global agro-food system: Nitrogen flows associated with protein production, consumption and trade. <i>Global Food Security</i> , 2014, 3, 209-219.	4.0	97
285	Human Appropriation of Net Primary Production: Patterns, Trends, and Planetary Boundaries. <i>Annual Review of Environment and Resources</i> , 2014, 39, 363-391.	5.6	193
286	Global and time-resolved monitoring of crop photosynthesis with chlorophyll fluorescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1327-33.	3.3	741
287	Personal nitrogen footprint tool for the United Kingdom. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1563-1569.	1.7	62
288	Organic farming and heterogeneous landscapes positively affect different measures of plant diversity. <i>Journal of Applied Ecology</i> , 2014, 51, 1544-1553.	1.9	28
289	Changes in soil quality indicators under oil palm plantations following application of "best management practices" in a four-year field trial. <i>Agriculture, Ecosystems and Environment</i> , 2014, 195, 98-111.	2.5	29
290	Closing the N-Use Efficiency Gap to Achieve Food and Environmental Security. <i>Environmental Science & Technology</i> , 2014, 48, 5780-5787.	4.6	162
291	Quantifying yield gaps in wheat production in Russia. <i>Environmental Research Letters</i> , 2014, 9, 084017.	2.2	55
292	Climatic Impacts of Land-Use Change due to Crop Yield Increases and a Universal Carbon Tax from a Scenario Model*. <i>Journal of Climate</i> , 2014, 27, 1413-1424.	1.2	19
293	Life's Bottleneck: Sustaining the World's Phosphorus for a Food Secure Future. <i>Annual Review of Environment and Resources</i> , 2014, 39, 161-188.	5.6	383
294	Spatial modeling of agricultural land use change at global scale. <i>Ecological Modelling</i> , 2014, 291, 152-174.	1.2	98
295	Food Self-Sufficiency across Scales: How Local Can We Go?. <i>Environmental Science & Technology</i> , 2014, 48, 9463-9470.	4.6	75
296	How Could Agricultural Land Systems Contribute to Raise Food Production Under Global Change?. <i>Journal of Integrative Agriculture</i> , 2014, 13, 1432-1442.	1.7	53

#	ARTICLE	IF	CITATIONS
297	Wheat plants invest more in mycorrhizae and receive more benefits from them under adverse than favorable soil conditions. <i>Applied Soil Ecology</i> , 2014, 84, 93-111.	2.1	30
298	The relevance of methane emissions from beef production and the challenges of the Argentinean beef production platform. <i>Meat Science</i> , 2014, 98, 355-360.	2.7	22
299	Global agriculture and carbon trade-offs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12342-12347.	3.3	154
300	Edible oils from microalgae: insights in TAG accumulation. <i>Trends in Biotechnology</i> , 2014, 32, 521-528.	4.9	191
301	REVIEW: Do polycultures promote win-win or trade-offs in agricultural ecosystem services? A meta-analysis. <i>Journal of Applied Ecology</i> , 2014, 51, 1593-1602.	1.9	164
302	Exclusion of agricultural lands in spatial conservation prioritization strategies: consequences for biodiversity and ecosystem service representation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141529.	1.2	20
303	Biochemical acclimation, stomatal limitation and precipitation patterns underlie decreases in photosynthetic stimulation of soybean (<i>Glycine max</i>) at elevated [CO ₂] and temperatures under fully open air field conditions. <i>Plant Science</i> , 2014, 226, 136-146.	1.7	37
304	Identifying secure and low carbon food production practices: A case study in Kenya and Ethiopia. <i>Agriculture, Ecosystems and Environment</i> , 2014, 197, 137-146.	2.5	27
305	Analysis of agricultural intensification in a basin with remote sensing data. <i>GIScience and Remote Sensing</i> , 2014, 51, 253-268.	2.4	11
306	Importance of food-demand management for climate mitigation. <i>Nature Climate Change</i> , 2014, 4, 924-929.	8.1	562
307	Implications of nanotechnology for the agri-food industry: Opportunities, benefits and risks. <i>Trends in Food Science and Technology</i> , 2014, 40, 226-241.	7.8	172
308	Exploring ammonium tolerance in a large panel of <i>Arabidopsis thaliana</i> natural accessions. <i>Journal of Experimental Botany</i> , 2014, 65, 6023-6033.	2.4	95
309	Producing more grain with lower environmental costs. <i>Nature</i> , 2014, 514, 486-489.	13.7	1,292
310	The impact of water and nitrogen limitation on maize biomass and resource-use efficiencies for radiation, water and nitrogen. <i>Field Crops Research</i> , 2014, 168, 109-118.	2.3	110
311	Resistance of bacterial communities in the potato rhizosphere to disturbance and its application to agroecology. <i>Soil Biology and Biochemistry</i> , 2014, 79, 125-131.	4.2	9
312	Agricultural expansion: land use shell game in the U.S. Northern Plains. <i>Landscape Ecology</i> , 2014, 29, 81-95.	1.9	97
313	Leverage points for improving global food security and the environment. <i>Science</i> , 2014, 345, 325-328.	6.0	584
314	Pervasive transition of the Brazilian land-use system. <i>Nature Climate Change</i> , 2014, 4, 27-35.	8.1	407

#	ARTICLE	IF	CITATIONS
315	Climate change adaptation in mixed crop-livestock systems in developing countries. <i>Global Food Security</i> , 2014, 3, 99-107.	4.0	117
316	Modelling the effects of climate variability on spring wheat productivity in the steppe zone of Russia and Kazakhstan. <i>Ecological Modelling</i> , 2014, 277, 57-67.	1.2	23
317	Historical gains in soybean (<i>Glycine max</i> Merr.) seed yield are driven by linear increases in light interception, energy conversion, and partitioning efficiencies. <i>Journal of Experimental Botany</i> , 2014, 65, 3311-3321.	2.4	199
318	Agriculture and nature: Trouble and strife?. <i>Biological Conservation</i> , 2014, 170, 232-245.	1.9	98
319	Futures of Tropical Forests (<i>sensu lato</i>). <i>Biotropica</i> , 2014, 46, 495-505.	0.8	32
320	Nitrogen-use efficiency in maize (<i>Zea mays</i> L.): from 'omics' studies to metabolic modelling. <i>Journal of Experimental Botany</i> , 2014, 65, 5657-5671.	2.4	80
321	Freshwater savings from marine protein consumption. <i>Environmental Research Letters</i> , 2014, 9, 014005.	2.2	29
322	Estimated reactive nitrogen losses for intensive maize production in China. <i>Agriculture, Ecosystems and Environment</i> , 2014, 197, 293-300.	2.5	44
323	Can agroforestry option values improve the functioning of drivers of agricultural intensification in Africa?. <i>Current Opinion in Environmental Sustainability</i> , 2014, 6, 35-40.	3.1	52
324	Taking planetary nutrient boundaries seriously: Can we feed the people?. <i>Global Food Security</i> , 2014, 3, 16-21.	4.0	68
325	Agroforestry solutions to address food security and climate change challenges in Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014, 6, 61-67.	3.1	304
326	The importance of farmer education in South Australia. <i>Land Use Policy</i> , 2014, 39, 301-312.	2.5	38
327	Dietary quality and tree cover in Africa. <i>Global Environmental Change</i> , 2014, 24, 287-294.	3.6	182
328	Effects of land use on bird populations and pest control services on coffee farms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6109-6114.	3.3	61
329	Genetics of Tillering in Rice and Barley. <i>Plant Genome</i> , 2014, 7, plantgenome2013.10.0032.	1.6	75
330	Survey of Plant Density Tolerance in U.S. Maize Germplasm. <i>Crop Science</i> , 2014, 54, 157-173.	0.8	116
331	Establishment Method Affects Oilseed Rape Yield and the Response to Nitrogen Fertilizer. <i>Agronomy Journal</i> , 2014, 106, 131-142.	0.9	29
332	Terrestrial and Inland Water Systems. , 0, , 271-360.		25

#	ARTICLE	IF	CITATIONS
333	Adaptation Opportunities, Constraints, and Limits. , 0, , 899-944.		18
334	Emergent Risks and Key Vulnerabilities. , 0, , 1039-1100.		19
335	<scp>BECCS</scp> capability of dedicated bioenergy crops under a future landâ€use scenario targeting net negative carbon emissions. Earth's Future, 2014, 2, 421-439.	2.4	52
336	Moderating diets to feed the future. Earth's Future, 2014, 2, 559-565.	2.4	59
338	A Bounds Analysis of World Food Futures: Global Agriculture Through to 2050. Australian Journal of Agricultural and Resource Economics, 2014, 58, 571-589.	1.3	84
339	The potential of Russia to increase its wheat production through cropland expansion and intensification. Global Food Security, 2014, 3, 133-141.	4.0	71
340	Influence of watershedâ€climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1110-1128.	1.3	51
341	Agricultural conversion without external water and nutrient inputs reduces terrestrial vegetation productivity. Geophysical Research Letters, 2014, 41, 449-455.	1.5	29
342	Fate of semi-natural grassland in England between 1960 and 2013: A test of national conservation policy. Global Ecology and Conservation, 2015, 4, 516-525.	1.0	52
343	Cropland/pastureland dynamics and the slowdown of deforestation in Latin America. Environmental Research Letters, 2015, 10, 034017.	2.2	182
344	Food security and sustainable resource management. Water Resources Research, 2015, 51, 4966-4985.	1.7	97
345	Retaining biodiversity in intensive farmland: epiphyte removal in oil palm plantations does not affect yield. Ecology and Evolution, 2015, 5, 1944-1954.	0.8	24
346	Premature heading and yield losses caused by prolonged seedling age in double cropping rice. Field Crops Research, 2015, 183, 147-155.	2.3	18
347	Virus disease in wheat predicted to increase with a changing climate. Global Change Biology, 2015, 21, 3511-3519.	4.2	76
348	Isotopeâ€Filtered 4D NMR Spectroscopy for Structure Determination of Humic Substances. Angewandte Chemie - International Edition, 2015, 54, 8382-8385.	7.2	32
350	Assessment of driving factors for yield and productivity developments in crop and cattle production as key to increasing sustainable biomass potentials. Food and Energy Security, 2015, 4, 36-75.	2.0	28
351	Selection of soybean lines exhibiting resistance to stink bug complex in distinct environments. Food and Energy Security, 2015, 4, 133-143.	2.0	5
352	Fruiting efficiency: an alternative trait to further rise wheat yield. Food and Energy Security, 2015, 4, 92-109.	2.0	135

#	ARTICLE	IF	CITATIONS
353	Providing Context for the Landâ€‘Sharing and Landâ€‘Sparing Debate. <i>Conservation Letters</i> , 2015, 8, 404-413.	2.8	41
354	Balancing water scarcity and quality for sustainable irrigated agriculture. <i>Water Resources Research</i> , 2015, 51, 3419-3436.	1.7	140
355	Global effects of agriculture on fluvial dissolved organic matter. <i>Scientific Reports</i> , 2015, 5, 16328.	1.6	81
357	Reaching out to organic agriculture for sustainability in agribusiness. <i>International Journal of Globalisation and Small Business</i> , 2015, 7, 284.	0.1	2
358	Confirmation of co-denitrification in grazed grassland. <i>Scientific Reports</i> , 2015, 5, 17361.	1.6	59
359	Global biomass production potentials exceed expected future demand without the need for cropland expansion. <i>Nature Communications</i> , 2015, 6, 8946.	5.8	141
360	Conservation and availability of plant genetic diversity: innovative strategies and technologies. <i>Acta Horticulturae</i> , 2015, , 1-8.	0.1	2
362	The Economic and Environmental Consequences of Implementing Nitrogen-Efficient Technologies and Management Practices in Agriculture. <i>Journal of Environmental Quality</i> , 2015, 44, 312-324.	1.0	55
363	Bird communities in sun and shade coffee farms in Kenya. <i>Global Ecology and Conservation</i> , 2015, 4, 479-490.	1.0	22
364	The global land rush and climate change. <i>Earth's Future</i> , 2015, 3, 298-311.	2.4	37
365	Belowground Interspecies Interaction Enhances Productivity and Water Use Efficiency in Maizeâ€‘Pea Intercropping Systems. <i>Crop Science</i> , 2015, 55, 420-428.	0.8	18
366	Structure and evolution of the global seafood trade network. <i>Environmental Research Letters</i> , 2015, 10, 125014.	2.2	151
367	Guiding Principles for Management of Forested, Agricultural, and Urban Watersheds. <i>Journal of Contemporary Water Research and Education</i> , 2015, 154, 60-84.	0.7	13
368	Protecting the environment through insect farming as a means to produce protein for use as livestock, poultry, and aquaculture feed. <i>Journal of Insects As Food and Feed</i> , 2015, 1, 307-309.	2.1	39
369	Tackling biomass scarcityâ€‘from vicious to virtuous cycles in sub-Saharan Africa. <i>Current Opinion in Environmental Sustainability</i> , 2015, 15, 1-8.	3.1	14
370	Livestock intensification and the influence of dietary change: A calorie-based assessment of competition for crop production. <i>Science of the Total Environment</i> , 2015, 538, 817-823.	3.9	39
372	In vivo quantitative imaging of photoassimilate transport dynamics and allocation in large plants using a commercial positron emission tomography (PET) scanner. <i>BMC Plant Biology</i> , 2015, 15, 273.	1.6	29
373	A life cycle assessment approach to quantifying greenhouse gas emissions from land-use change for beef production in eastern Australia. <i>Rangeland Journal</i> , 2015, 37, 273.	0.4	6

#	ARTICLE	IF	CITATIONS
374	Environmental change and enteric zoonoses in New Zealand: a systematic review of the evidence. Australian and New Zealand Journal of Public Health, 2015, 39, 63-68.	0.8	9
375	Digital imaging of root traits (DIRT): a high-throughput computing and collaboration platform for field-based root phenomics. Plant Methods, 2015, 11, 51.	1.9	146
376	New feed sources key to ambitious climate targets. Carbon Balance and Management, 2015, 10, 26.	1.4	51
377	Changes in environmental impacts of major crops in the US. Environmental Research Letters, 2015, 10, 094016.	2.2	49
378	Identifying effective actions to guide volunteer-based and nationwide conservation efforts for a ground-nesting farmland bird. Journal of Applied Ecology, 2015, 52, 1082-1091.	1.9	22
379	Development of a biotic index using stream macroinvertebrates to assess stress from deposited fine sediment. Freshwater Biology, 2015, 60, 2019-2036.	1.2	53
380	Industry-Scale Evaluation of Maize Hybrids Selected for Increased Yield in Drought-Stress Conditions of the US Corn Belt. Crop Science, 2015, 55, 1608-1618.	0.8	135
381	Reframing the land-sparing/land-sharing debate for biodiversity conservation. Annals of the New York Academy of Sciences, 2015, 1355, 52-76.	1.8	292
382	CHANGES IN WHOLE-PLANT METABOLISM DURING GRAIN-FILLING STAGE IN SORGHUM BICOLOR L. (MOENCH) GROWN UNDER ELEVATED CO2 AND DROUGHT. Plant Physiology, 2015, 169, pp.01054.2015.	2.3	45
383	Ark or park: the need to predict relative effectiveness of <i>ex situ</i> and <i>in situ</i> conservation before attempting captive breeding. Journal of Applied Ecology, 2015, 52, 841-850.	1.9	42
384	Impacts of varying agricultural intensification on crop yield and groundwater resources: comparison of the North China Plain and US High Plains. Environmental Research Letters, 2015, 10, 044013.	2.2	58
385	Evaluating the impact of rising fertilizer prices on crop yields. Agricultural Economics (United Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.9	59
386	Interactive multiple-stressor effects of the antibiotic monensin, cattle effluent and light on stream periphyton. Freshwater Biology, 2015, 60, 2410-2423.	1.2	9
387	Effect of thermal processing on mealworm allergenicity. Molecular Nutrition and Food Research, 2015, 59, 1855-1864.	1.5	55
388	Spatiotemporal variation in the relationship between landscape simplification and insecticide use. Ecological Applications, 2015, 25, 1976-1983.	1.8	14
389	Commercial Opportunities and Market Demand for Nanotechnologies in Agribusiness Sector. Journal of Technology Management and Innovation, 2015, 10, 40-51.	0.5	35
390	More than two decades of climate change alarm: Farmers knowledge, attitudes and perceptions. African Journal of Agricultural Research Vol Pp, 2015, 10, 2617-2625.	0.2	11
391	The Potash Market and Its Future Prospects. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
392	Changes in soil carbon, nitrogen, and phosphorus due to land-use changes in Brazil. <i>Biogeosciences</i> , 2015, 12, 4765-4780.	1.3	62
393	Evaluating Management Factor Contributions to Reduce Corn Yield Gaps. <i>Agronomy Journal</i> , 2015, 107, 495-505.	0.9	47
394	Water savings potentials of irrigation systems: global simulation of processes and linkages. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3073-3091.	1.9	264
395	Centered Log-Ratio (clr) Transformation and Robust Principal Component Analysis of Long-Term NDVI Data Reveal Vegetation Activity Linked to Climate Processes. <i>Climate</i> , 2015, 3, 135-149.	1.2	40
396	Evaluation of Biogas Plants by the Application of an Internal Rate of Return and Debt Service Coverage Approach. <i>American Journal of Environmental Sciences</i> , 2015, 11, 35-45.	0.3	12
397	Eco-functional Intensification and Food Security: Synergy or Compromise?. <i>Sustainable Agriculture Research</i> , 2015, 4, 126.	0.2	18
398	Challenges for Plant Breeders from the View of Animal Nutrition. <i>Agriculture (Switzerland)</i> , 2015, 5, 1252-1276.	1.4	22
399	Consumers' Willingness to Pay for Cabbage with Minimized Pesticide Residues in Southern Benin. <i>Environments - MDPI</i> , 2015, 2, 449-470.	1.5	17
400	The Water Footprint of Food Aid. <i>Sustainability</i> , 2015, 7, 6435-6456.	1.6	20
401	The potential of satellite-observed crop phenology to enhance yield gap assessments in smallholder landscapes. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	35
402	Reconciling Oil Palm Expansion and Climate Change Mitigation in Kalimantan, Indonesia. <i>PLoS ONE</i> , 2015, 10, e0127963.	1.1	50
403	Soil Quality Impacts of Current South American Agricultural Practices. <i>Sustainability</i> , 2015, 7, 2213-2242.	1.6	84
404	The Role of Latin America's Land and Water Resources for Global Food Security: Environmental Trade-Offs of Future Food Production Pathways. <i>PLoS ONE</i> , 2015, 10, e0116733.	1.1	41
405	Closing Yield Gaps: How Sustainable Can We Be?. <i>PLoS ONE</i> , 2015, 10, e0129487.	1.1	192
406	Exploiting Co-Benefits of Increased Rice Production and Reduced Greenhouse Gas Emission through Optimized Crop and Soil Management. <i>PLoS ONE</i> , 2015, 10, e0140023.	1.1	15
407	Pushing the boundaries of resistance: insights from <i>Brachypodium</i> -rust interactions. <i>Frontiers in Plant Science</i> , 2015, 6, 558.	1.7	11
408	Agave as a model CAM crop system for a warming and drying world. <i>Frontiers in Plant Science</i> , 2015, 6, 684.	1.7	50
409	Beyond conservation agriculture. <i>Frontiers in Plant Science</i> , 2015, 6, 870.	1.7	269

#	ARTICLE	IF	CITATIONS
410	Yield and Production Gaps in Rainfed Wheat, Barley, and Canola in Alberta. <i>Frontiers in Plant Science</i> , 2015, 6, 990.	1.7	42
411	Changes in Phosphorus Requirement with Increasing Grain Yield for Winter Wheat. <i>Agronomy Journal</i> , 2015, 107, 2003-2010.	0.9	7
412	Biodiversity and Plant Breeding as Tools for Harmony Between Modern Agriculture Production and the Environment. , 2015, , .		6
413	A framework for the cross-sectoral integration of multi-model impact projections: land use decisions under climate impacts uncertainties. <i>Earth System Dynamics</i> , 2015, 6, 447-460.	2.7	38
414	Soil Biological Fertility: Foundation for the Next Revolution in Agriculture?. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 753-762.	0.6	18
415	How effective are on-farm conservation land management strategies for preserving ecosystem services in developing countries? A systematic map protocol. <i>Environmental Evidence</i> , 2015, 4, .	1.1	8
416	The Future Use of Nordic Forests. , 2015, , .		7
418	Mild disintegration of the green microalgae <i>Chlorella vulgaris</i> using bead milling. <i>Bioresource Technology</i> , 2015, 184, 297-304.	4.8	148
419	Meeting Global Food Needs: Realizing the Potential via Genetics – Environment – Management Interactions. <i>Agronomy Journal</i> , 2015, 107, 1215-1226.	0.9	150
420	Understanding Plant Immunity as a Surveillance System to Detect Invasion. <i>Annual Review of Phytopathology</i> , 2015, 53, 541-563.	3.5	440
421	Landscape connectivity and insect herbivory: A framework for understanding tradeoffs among ecosystem services. <i>Global Ecology and Conservation</i> , 2015, 4, 73-84.	1.0	38
422	Influence of Seed Treatment with Uniconazole Powder on Soybean Growth, Photosynthesis, Dry Matter Accumulation after Flowering and Yield in Relay Strip Intercropping System. <i>Plant Production Science</i> , 2015, 18, 295-301.	0.9	28
423	Evaluations of CMIP5 simulations over cropland. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
424	How land allocation and technology innovation affect the sustainability of agriculture in Argentina Pampas: An expanded life cycle analysis. <i>Agricultural Systems</i> , 2015, 141, 79-93.	3.2	22
425	Transitions in European land-management regimes between 1800 and 2010. <i>Land Use Policy</i> , 2015, 49, 53-64.	2.5	261
426	Temperature induction response (TIR) as a rapid screening protocol to dissect the genetic variability in acquired thermotolerance in rice and to identify novel donors for high temperature stress tolerance. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 368-374.	0.8	8
427	Genome-based establishment of a high-yielding heterotic pattern for hybrid wheat breeding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15624-15629.	3.3	178
428	The blurred boundaries of ecological, sustainable, and agroecological intensification: a review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1283-1295.	2.2	126

#	ARTICLE	IF	CITATIONS
429	Food security requires a new revolution. <i>International Journal of Environmental Studies</i> , 2015, 72, 908-920.	0.7	26
430	Temporal niche differentiation increases the land equivalent ratio of annual intercrops: A meta-analysis. <i>Field Crops Research</i> , 2015, 184, 133-144.	2.3	251
431	Contribution of Farmers'™ Markets to More Socially Sustainable Food Systems: A Pilot Study of a Farmers'™ Market in the Australian Capital Territory (ACT), Australia. <i>Agroecology and Sustainable Food Systems</i> , 2015, 39, 1124-1153.	1.0	25
432	Wide-area mapping of small-scale features in agricultural landscapes using airborne remote sensing. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 109, 165-177.	4.9	32
433	Reshaping agri-environmental subsidies: From marginal farming to large-scale rewilding. <i>Basic and Applied Ecology</i> , 2015, 16, 95-103.	1.2	102
434	Na ⁺ and Cl ⁻ ions show additive effects under NaCl stress on induction of oxidative stress and the responsive antioxidative defense in rice. <i>Protoplasma</i> , 2015, 252, 1149-1165.	1.0	93
435	Conservation planning in agricultural landscapes: hotspots of conflict between agriculture and nature. <i>Diversity and Distributions</i> , 2015, 21, 357-367.	1.9	66
436	The effects of cultivar and nitrogen management on wheat yield and nitrogen use efficiency in the North China Plain. <i>Field Crops Research</i> , 2015, 171, 157-164.	2.3	84
437	Extending market allocation to ecosystem services: Moral and practical implications on a full and unequal planet. <i>Ecological Economics</i> , 2015, 117, 244-252.	2.9	33
438	Feeding of by-products completely replaced cereals and pulses in dairy cows and enhanced edible feed conversion ratio. <i>Journal of Dairy Science</i> , 2015, 98, 1225-1233.	1.4	63
439	The impact of alternative cropping systems on global warming potential, grain yield and groundwater use. <i>Agriculture, Ecosystems and Environment</i> , 2015, 203, 46-54.	2.5	82
440	Sustainable intensification in drylands: What resilience and vulnerability can tell us. <i>Agricultural Systems</i> , 2015, 135, 133-140.	3.2	55
441	UAVs challenge to assess water stress for sustainable agriculture. <i>Agricultural Water Management</i> , 2015, 153, 9-19.	2.4	388
442	Rangeland ecosystem services: shifting focus from supply to reconciling supply and demand. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 44-51.	1.9	139
443	Meat consumption and production – analysis of efficiency, sufficiency and consistency of global trends. <i>Journal of Cleaner Production</i> , 2015, 92, 142-151.	4.6	78
444	Mitigating gaseous nitrogen emissions intensity from a Chinese rice cropping system through an improved management practice aimed to close the yield gap. <i>Agriculture, Ecosystems and Environment</i> , 2015, 203, 36-45.	2.5	68
445	Energy efficiency breakdown of reverse osmosis and its implications on future innovation roadmap for desalination. <i>Desalination</i> , 2015, 368, 181-192.	4.0	83
446	Use of plant colonizing bacteria as chassis for transfer of N ₂ -fixation to cereals. <i>Current Opinion in Biotechnology</i> , 2015, 32, 216-222.	3.3	99

#	ARTICLE	IF	CITATIONS
447	Resequencing 302 wild and cultivated accessions identifies genes related to domestication and improvement in soybean. <i>Nature Biotechnology</i> , 2015, 33, 408-414.	9.4	1,023
448	<i>Leucaena macrophylla</i> : An ecosystem services provider?. <i>Agroforestry Systems</i> , 2015, 89, 163-174.	0.9	15
449	Public investment in U.S. agricultural R&D and the economic benefits. <i>Food Policy</i> , 2015, 51, 38-43.	2.8	26
450	Effects of integrated high-efficiency practice versus conventional practice on rice yield and N fate. <i>Agriculture, Ecosystems and Environment</i> , 2015, 202, 1-7.	2.5	46
451	Competition for land: A sociometabolic perspective. <i>Ecological Economics</i> , 2015, 119, 424-431.	2.9	66
452	The ameliorating effects of biochar and compost on soil quality and plant growth on a Ferralsol. <i>Soil Research</i> , 2015, 53, 1.	0.6	90
453	Is nitrogen fixation (once again) "vital to the progress of civilized humanity"? <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 301-307.	2.1	15
454	Synthesis and Insecticidal Activity of Spinosyns with C9- <i>O</i> -Benzyl Bioisosteres in Place of the 2,3,4-Tri- <i>O</i> -methyl Rhamnose. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5571-5577.	2.4	9
455	Consequences of fleet diversification in managed and unmanaged fisheries. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 54-70.	0.7	8
456	Root phenotyping: from component trait in the lab to breeding: Table 1.. <i>Journal of Experimental Botany</i> , 2015, 66, 5389-5401.	2.4	163
457	Between land sharing and land sparing " what role remains for forest management and conservation?. <i>International Forestry Review</i> , 2015, 17, 210-230.	0.3	23
458	Integrated Pest Management for Sustainable Intensification of Agriculture in Asia and Africa. <i>Insects</i> , 2015, 6, 152-182.	1.0	317
459	Linking salinity stress tolerance with tissue-specific Na ⁺ sequestration in wheat roots. <i>Frontiers in Plant Science</i> , 2015, 6, 71.	1.7	86
460	A Novel Gene, <i>OZONE-RESPONSIVE APOPLASTIC PROTEIN1</i> , Enhances Cell Death in Ozone Stress in Rice. <i>Plant Physiology</i> , 2015, 169, 873-889.	2.3	46
461	Engineering soil organic matter quality: Biodiesel Co-Product (BCP) stimulates exudation of nitrogenous microbial biopolymers. <i>Geoderma</i> , 2015, 259-260, 205-212.	2.3	8
462	Mapping the potential success of agricultural water management interventions for smallholders: Where are the best opportunities?. <i>Water Resources and Rural Development</i> , 2015, 6, 24-49.	1.1	16
463	A framework for quantitative analysis of livestock systems using theoretical concepts of production ecology. <i>Agricultural Systems</i> , 2015, 139, 100-109.	3.2	23
464	Global supply chain of arable land use: Production-based and consumption-based trade imbalance. <i>Land Use Policy</i> , 2015, 49, 118-130.	2.5	97

#	ARTICLE	IF	CITATIONS
465	Drying of alga as a source of bioenergy feedstock and food supplement – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 1203-1212.	8.2	29
466	Agricultural carbon flux changes driven by intensive plastic greenhouse cultivation in five climatic regions of China. <i>Journal of Cleaner Production</i> , 2015, 95, 265-272.	4.6	14
467	Soil nitrogen retention is increased by ditch-buried straw return in a rice-wheat rotation system. <i>European Journal of Agronomy</i> , 2015, 69, 52-58.	1.9	57
468	Assessing environmental risks for high intensity agriculture using the material flow analysis method – a case study of the Dongting Lake basin in South Central China. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 472.	1.3	10
469	Economics of Antibiotic Growth Promoters in Livestock. <i>Annual Review of Resource Economics</i> , 2015, 7, 349-374.	1.5	31
470	Net global warming potential and greenhouse gas intensity from the double rice system with integrated soil-crop system management: A three-year field study. <i>Atmospheric Environment</i> , 2015, 116, 92-101.	1.9	72
471	Comparative toxicities of organophosphate and pyrethroid insecticides to aquatic macroarthropods. <i>Chemosphere</i> , 2015, 135, 265-271.	4.2	34
472	A sustainability framework for assessing trade-offs in ecosystem services. <i>Ecology and Society</i> , 2015, 20, .	1.0	121
473	Aquatic macrophytes alter productivity- richness relationships in eutrophic stream food webs. <i>Ecosphere</i> , 2015, 6, 1-18.	1.0	14
474	Advancing sustainability through mainstreaming a social-ecological systems perspective. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 144-149.	3.1	274
475	Comparative water use by maize, perennial crops, restored prairie, and poplar trees in the US Midwest. <i>Environmental Research Letters</i> , 2015, 10, 064015.	2.2	58
476	Contrasting approaches to projecting long-run global food security. <i>Oxford Review of Economic Policy</i> , 2015, 31, 26-44.	1.0	22
477	Farming strategies to fuel bioenergy demands and facilitate essential soil services. <i>Geoderma</i> , 2015, 259-260, 251-258.	2.3	22
478	Genetic diversity and population structure of wheat in India and Turkey. <i>AoB PLANTS</i> , 2015, 7, plv083.	1.2	45
479	Introgression of <i>Agropyron cristatum</i> 6P chromosome segment into common wheat for enhanced thousand-grain weight and spike length. <i>Theoretical and Applied Genetics</i> , 2015, 128, 1827-1837.	1.8	54
480	Advances in Structured Light Sensors Applications in Precision Agriculture and Livestock Farming. <i>Advances in Agronomy</i> , 2015, 133, 71-112.	2.4	58
481	Marine foods sourced from farther as their use of global ocean primary production increases. <i>Nature Communications</i> , 2015, 6, 7365.	5.8	76
482	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8529-8536.	3.3	751

#	ARTICLE	IF	CITATIONS
483	Comparing decision-support systems in adopting sustainable intensification criteria. <i>Frontiers in Genetics</i> , 2015, 6, 23.	1.1	4
484	Sustainable Extensification as an Alternative Model For Reducing GHG Emissions From Agriculture. The Case of an Extensively Managed Organic Farm in Denmark. <i>Agroecology and Sustainable Food Systems</i> , 2015, 39, 551-579.	1.0	2
485	Sustainable smallholder intensification in global change? Pivotal spatial interactions, gendered livelihoods, and agrobiodiversity. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 49-60.	3.1	71
486	Life Cycle Assessment of a Novel Closed-Containment Salmon Aquaculture Technology. <i>Environmental Science & Technology</i> , 2015, 49, 5628-5636.	4.6	24
487	The debate over sustainable intensification. <i>Food Security</i> , 2015, 7, 199-208.	2.4	107
488	Food and water gaps to 2050: preliminary results from the global food and water system (GFWS) platform. <i>Food Security</i> , 2015, 7, 209-220.	2.4	72
489	A vast range of opportunities for feeding the world in 2050: trade-off between diet, N contamination and international trade. <i>Environmental Research Letters</i> , 2015, 10, 025001.	2.2	79
490	Potential of extensification of European agriculture for a more sustainable food system, focusing on nitrogen. <i>Environmental Research Letters</i> , 2015, 10, 025002.	2.2	68
491	What is sustainable intensification? Views from experts. <i>Land Use Policy</i> , 2015, 46, 1-10.	2.5	202
492	Sustainable food production: constraints, challenges and choices by 2050. <i>Food Security</i> , 2015, 7, 221-233.	2.4	141
493	Allelic polymorphism of <i>GIGANTEA</i> is responsible for naturally occurring variation in circadian period in <i>Brassica rapa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3829-3834.	3.3	55
494	Addressing poverty and inequality in the rural economy from a global perspective. <i>Applied Geography</i> , 2015, 61, 11-23.	1.7	78
495	Ectopic phytocystatin expression increases nodule numbers and influences the responses of soybean (<i>Glycine max</i>) to nitrogen deficiency. <i>Phytochemistry</i> , 2015, 112, 179-187.	1.4	18
496	Ecology in an anthropogenic biosphere. <i>Ecological Monographs</i> , 2015, 85, 287-331.	2.4	393
497	Mild ammonium stress increases chlorophyll content in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e991596.	1.2	26
498	Temporal and spatial changes of maize yield potentials and yield gaps in the past three decades in China. <i>Agriculture, Ecosystems and Environment</i> , 2015, 208, 12-20.	2.5	66
499	Use of crop simulation modelling to aid ideotype design of future cereal cultivars. <i>Journal of Experimental Botany</i> , 2015, 66, 3463-3476.	2.4	146
500	Strategies Towards the New Sustainability Paradigm. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
501	Global trends in antimicrobial use in food animals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5649-5654.	3.3	2,521
502	Change in agricultural land use constrains adaptation of national wildlife refuges to climate change. Environmental Conservation, 2015, 42, 12-19.	0.7	15
503	Effects of experimental warming and nitrogen addition on soil respiration and CH4 fluxes from crop rotations of winter wheat–soybean/fallow. Agricultural and Forest Meteorology, 2015, 207, 38-47.	1.9	58
504	Land for Food & Land for Nature?. Daedalus, 2015, 144, 57-75.	0.9	38
505	A Sustainable Agriculture?. Daedalus, 2015, 144, 76-89.	0.9	26
506	When does no-till yield more? A global meta-analysis. Field Crops Research, 2015, 183, 156-168.	2.3	538
507	Soils, agriculture and food security: the interplay between ecosystem functioning and human well-being. Current Opinion in Environmental Sustainability, 2015, 15, 25-34.	3.1	59
508	Humic and fulvic acids as biostimulants in horticulture. Scientia Horticulturae, 2015, 196, 15-27.	1.7	591
509	Environmental Fate and Effects of Dichloroacetamide Herbicide Safeners: Inert yet Biologically Active Agrochemical Ingredients. Environmental Science and Technology Letters, 2015, 2, 260-269.	3.9	49
510	Preface for Small-Molecule Activation: From Biological Principles to Energy Applications. Part 2: Small Molecules Related to the Global Nitrogen Cycle. Inorganic Chemistry, 2015, 54, 9229-9233.	1.9	20
511	Rethinking production systems: science for the land-based sector. Journal of the Royal Society of New Zealand, 2015, 45, 108-113.	1.0	1
512	Mycorrhiza and PGPB modulate maize biomass, nutrient uptake and metabolic pathways in maize grown in mining-impacted soil. Plant Physiology and Biochemistry, 2015, 97, 390-399.	2.8	48
513	Sampling guidelines and analytical optimization for direct greenhouse gas emissions from tropical rice and upland cropping systems. Carbon Management, 2015, 6, 169-184.	1.2	2
514	Landscape simplification filters species traits and drives biotic homogenization. Nature Communications, 2015, 6, 8568.	5.8	399
515	Agronomic benefits and risks associated with the irrigated peanut–maize production system under a changing climate in northern Australia. Crop and Pasture Science, 2015, 66, 1167.	0.7	6
516	Drivers for global agricultural land use change: The nexus of diet, population, yield and bioenergy. Global Environmental Change, 2015, 35, 138-147.	3.6	274
517	Sugarcane expansion in Brazilian tropical soils—Effects of land use change on soil chemical attributes. Agriculture, Ecosystems and Environment, 2015, 211, 173-184.	2.5	49
518	Following the dance: Ground survey of flowers and flower-visiting insects in a summer foraging hotspot identified via honey bee waggle dance decoding. Agriculture, Ecosystems and Environment, 2015, 213, 265-271.	2.5	25

#	ARTICLE	IF	CITATIONS
519	Global sensitivity of high-resolution estimates of crop water footprint. <i>Water Resources Research</i> , 2015, 51, 8257-8272.	1.7	91
520	Invisible Compromises. <i>Organization and Environment</i> , 2015, 28, 436-457.	2.5	13
521	Farming of seaweeds. , 2015, , 27-59.		52
522	Food in a future of 10 billion. <i>Agriculture and Food Security</i> , 2015, 4, .	1.6	71
523	Photosynthetic Energy Conversion Efficiency: Setting a Baseline for Gauging Future Improvements in Important Food and Biofuel Crops. <i>Plant Physiology</i> , 2015, 168, 383-392.	2.3	58
524	Environmental impacts and constraints associated with the production of major food crops in Sub-Saharan Africa and South Asia. <i>Food Security</i> , 2015, 7, 795-822.	2.4	162
525	Single large or several small? Applying biogeographic principles to tree-level conservation and biodiversity offsets. <i>Biological Conservation</i> , 2015, 191, 558-566.	1.9	57
526	Pest-removal services provided by birds on small organic farms in northern California. <i>Agriculture, Ecosystems and Environment</i> , 2015, 211, 24-31.	2.5	42
527	Three centuries of dual pressure from land use and climate change on the biosphere. <i>Environmental Research Letters</i> , 2015, 10, 044011.	2.2	50
528	Food Spoilage, Storage, and Transport: Implications for a Sustainable Future. <i>BioScience</i> , 2015, 65, 758-768.	2.2	108
529	Optimised nitrogen fertiliser management achieved higher diversity of arbuscular mycorrhiza fungi and high-yielding maize (<i>Zea mays</i> L.). <i>Crop and Pasture Science</i> , 2015, 66, 706.	0.7	11
530	Managing nitrogen for sustainable development. <i>Nature</i> , 2015, 528, 51-59.	13.7	1,635
531	Carbon footprints of food production in China (1979-2009). <i>Journal of Cleaner Production</i> , 2015, 90, 97-103.	4.6	98
532	Current Agricultural Practices Threaten Future Global Food Production. <i>Journal of Agricultural and Environmental Ethics</i> , 2015, 28, 203-216.	0.9	36
533	Diversification practices reduce organic to conventional yield gap. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141396.	1.2	505
534	Biorecovery of nutrient waste as protein in freshwater macroalgae. <i>Algal Research</i> , 2015, 7, 58-65.	2.4	47
535	Transcriptomic Analysis Highlights Reciprocal Interactions of Urea and Nitrate for Nitrogen Acquisition by Maize Roots. <i>Plant and Cell Physiology</i> , 2015, 56, 532-548.	1.5	45
536	Improved global cropland data as an essential ingredient for food security. <i>Global Food Security</i> , 2015, 4, 37-45.	4.0	103

#	ARTICLE	IF	CITATIONS
537	The role of shoot residues vs. crop species for soil arthropod diversity and abundance of arable systems. <i>Soil Biology and Biochemistry</i> , 2015, 81, 81-88.	4.2	27
538	A long-term sustainability assessment of an Argentinian agricultural system based on emery synthesis. <i>Ecological Modelling</i> , 2015, 306, 121-129.	1.2	30
539	Soil productivity in the Yunnan province: Spatial distribution and sustainable utilization. <i>Soil and Tillage Research</i> , 2015, 147, 10-19.	2.6	22
540	Phytomanagement: Phytoremediation and the Production of Biomass for Economic Revenue on Contaminated Land. , 2015, , 115-132.		28
541	Bioethanol from maize cell walls: genes, molecular tools, and breeding prospects. <i>GCB Bioenergy</i> , 2015, 7, 591-607.	2.5	19
542	Greenhouse gas assessment of Brazilian soybean production: a case study of Mato Grosso State. <i>Journal of Cleaner Production</i> , 2015, 96, 418-425.	4.6	62
543	Mitigating the impacts of agriculture on biodiversity: bats and their potential role as bioindicators. <i>Mammalian Biology</i> , 2015, 80, 191-204.	0.8	88
544	Rice management interventions to mitigate greenhouse gas emissions: a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3342-3360.	2.7	166
545	Productivity limits and potentials of the principles of conservation agriculture. <i>Nature</i> , 2015, 517, 365-368.	13.7	1,005
546	Understanding the adoption of a portfolio of sustainable intensification practices in eastern and southern Africa. <i>Land Use Policy</i> , 2015, 42, 400-411.	2.5	356
547	Measuring farm sustainability using data envelope analysis with principal components: The case of Wisconsin cranberry. <i>Journal of Environmental Management</i> , 2015, 147, 175-183.	3.8	43
548	Achieving sustainable irrigation requires effective management of salts, soil salinity, and shallow groundwater. <i>Agricultural Water Management</i> , 2015, 157, 31-38.	2.4	134
549	Challenges and opportunities for quantifying roots and rhizosphere interactions through imaging and image analysis. <i>Plant, Cell and Environment</i> , 2015, 38, 1213-1232.	2.8	117
550	Assessment of climate change awareness and agronomic practices in an agricultural region of Henan Province, China. <i>Environment, Development and Sustainability</i> , 2015, 17, 379-391.	2.7	22
551	Modelling impacts of climate change on global food security. <i>Climatic Change</i> , 2016, 134, 429-440.	1.7	95
552	Greenhouse Gases Production from Some Crops Growing Under Greenhouse Conditions. , 2016, , .		0
553	Research Organizations of the World: CGIAR. , 2016, , 429-435.		1
554	Does the U.S. Cropland Data Layer Provide an Accurate Benchmark for Land Use Change Estimates?. <i>Agronomy Journal</i> , 2016, 108, 266-272.	0.9	34

#	ARTICLE	IF	CITATIONS
555	Global warming potential and greenhouse gas intensity in rice agriculture driven by high yields and nitrogen use efficiency. <i>Biogeosciences</i> , 2016, 13, 2701-2714.	1.3	41
556	Politics for Food Security and Climate Changes. , 2016, , .		0
557	Assessment of impacts of agricultural and climate change scenarios on watershed water quantity and quality, and crop production. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3325-3342.	1.9	34
559	Barriers to global implementation of current and development of new performance-enhancing technologies in meat production. <i>Animal Frontiers</i> , 2016, 6, 50-55.	0.8	5
560	Dynamic Systems Approach for Integrating Models and Frameworks Applied to the Pig Sector. , 2016, , .		0
561	Using the Sustainability Monitoring and Assessment Routine (SMART) for the Systematic Analysis of Trade-Offs and Synergies between Sustainability Dimensions and Themes at Farm Level. <i>Sustainability</i> , 2016, 8, 274.	1.6	72
562	Yield Differences Influenced by Distance from Riparian Buffers and Conservation Reserve Program. <i>Agronomy Journal</i> , 2016, 108, 647-655.	0.9	9
563	Local food in Iceland: identifying behavioral barriers to increased production and consumption. <i>Environmental Research Letters</i> , 2016, 11, 115004.	2.2	16
564	Ethics of Food Resource Consumption. , 2016, , .		0
565	Negative Regulators of Messenger RNA and the Role of microRNA for Plant Genetic Engineering. , 2016, , 237-255.		0
566	Designing Corn Management Strategies for High Yield and High Nitrogen Use Efficiency. <i>Agronomy Journal</i> , 2016, 108, 922-929.	0.9	21
567	Current Trends of Engineered Nanoparticles (ENPs) in Sustainable Agriculture: An Overview. , 2016, 6, .		8
568	Where to put the next billion people. <i>Nature</i> , 2016, 537, 608-611.	13.7	116
569	Barley. , 2016, , 125-157.		3
570	An imaging-based system for high-throughput phenotyping of cotton plants under field conditions. , 2016, , .		0
571	Performance-enhancing technologies in swine production. <i>Animal Frontiers</i> , 2016, 6, 15-21.	0.8	42
572	Haploid and Doubled Haploid Techniques in Perennial Ryegrass (<i>Lolium perenne</i> L.) to Advance Research and Breeding. <i>Agronomy</i> , 2016, 6, 60.	1.3	15
573	Impact of Fertilizer N Application on the Grey Water Footprint of Winter Wheat in a NW-European Temperate Climate. <i>Water (Switzerland)</i> , 2016, 8, 356.	1.2	15

#	ARTICLE	IF	CITATIONS
574	Soil Degradation, Land Scarcity and Food Security: Reviewing a Complex Challenge. Sustainability, 2016, 8, 281.	1.6	354
575	The importance of soybean production worldwide. , 2016, , 1-26.		61
576	Assessment of Novel Routes of Biomethane Utilization in a Life Cycle Perspective. Frontiers in Bioengineering and Biotechnology, 2016, 4, 89.	2.0	12
577	Nutrients and Energy Balance Analysis for a Conceptual Model of a Three Loops off Grid, Aquaponics. Water (Switzerland), 2016, 8, 589.	1.2	52
578	Assessment of Biogas Plant Firms by Application of Annual Accounts and Financial Data Analysis Approach. Energies, 2016, 9, 713.	1.6	6
579	China's Land-Use Changes during the Past 300 Years: A Historical Perspective. International Journal of Environmental Research and Public Health, 2016, 13, 847.	1.2	33
580	Have Changes to Unused Land in China Improved or Exacerbated Its Environmental Quality in the Past Three Decades?. Sustainability, 2016, 8, 184.	1.6	15
581	Policy Mixes to Achieve Absolute Decoupling: An Ex Ante Assessment. Sustainability, 2016, 8, 528.	1.6	8
582	Changes in Cropland Status and Their Driving Factors in the Koshi River Basin of the Central Himalayas, Nepal. Sustainability, 2016, 8, 933.	1.6	46
583	Local versus Global Environmental Performance of Dairying and Their Link to Economic Performance: A Case Study of Swiss Mountain Farms. Sustainability, 2016, 8, 1294.	1.6	7
584	Variations in the Use of Resources for Food: Land, Nitrogen Fertilizer and Food Nexus. Sustainability, 2016, 8, 1322.	1.6	12
585	An Understanding of the Accumulation of Biomass and Nitrogen is Benefit for Chinese Maize Production. Agronomy Journal, 2016, 108, 895-904.	0.9	17
586	Household Food Waste: Multivariate Regression and Principal Components Analyses of Awareness and Attitudes among U.S. Consumers. PLoS ONE, 2016, 11, e0159250.	1.1	175
587	Conservation Biological Control of Pests in the Molecular Era: New Opportunities to Address Old Constraints. Frontiers in Plant Science, 2015, 6, 1255.	1.7	51
588	In vitro Biochemical Characterization of All Barley Endosperm Starch Synthases. Frontiers in Plant Science, 2015, 6, 1265.	1.7	42
589	Soil Functional Zone Management: A Vehicle for Enhancing Production and Soil Ecosystem Services in Row-Crop Agroecosystems. Frontiers in Plant Science, 2016, 7, 65.	1.7	30
590	Abscisic Acid and Abiotic Stress Tolerance in Crop Plants. Frontiers in Plant Science, 2016, 7, 571.	1.7	929
591	Integrating Large-Scale Data and RNA Technology to Protect Crops from Fungal Pathogens. Frontiers in Plant Science, 2016, 7, 631.	1.7	13

#	ARTICLE	IF	CITATIONS
592	High-Throughput Non-destructive Phenotyping of Traits that Contribute to Salinity Tolerance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1414.	1.7	161
593	Nitrogen Fertilizer Management for Enhancing Crop Productivity and Nitrogen Use Efficiency in a Rice-Oilseed Rape Rotation System in China. <i>Frontiers in Plant Science</i> , 2016, 7, 1496.	1.7	69
594	Identification of Genomic Associations for Adult Plant Resistance in the Background of Popular South Asian Wheat Cultivar, PBW343. <i>Frontiers in Plant Science</i> , 2016, 7, 1674.	1.7	8
595	Combining Selective Pressures to Enhance the Durability of Disease Resistance Genes. <i>Frontiers in Plant Science</i> , 2016, 7, 1916.	1.7	58
596	Mapping Fractional Cropland Distribution in Mato Grosso, Brazil Using Time Series MODIS Enhanced Vegetation Index and Landsat Thematic Mapper Data. <i>Remote Sensing</i> , 2016, 8, 22.	1.8	31
597	Sustainable intensification: a multifaceted, systemic approach to international development. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 4833-4839.	1.7	9
598	The influence of crop tiller density on the breeding performance of a cereal nesting specialist. <i>Journal of Applied Ecology</i> , 2016, 53, 1430-1439.	1.9	7
599	Sustaining crop productivity while reducing environmental nitrogen losses in the subtropical wheat-maize cropping systems: A comprehensive case study of nitrogen cycling and balance. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 1-14.	2.5	103
600	Spatially explicit estimates of N ₂ O emissions from croplands suggest climate mitigation opportunities from improved fertilizer management. <i>Global Change Biology</i> , 2016, 22, 3383-3394.	4.2	112
601	Optimizing the water, carbon, and land-use footprint of bioenergy production in Mexico – Six case studies and the nationwide implications. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 222-239.	1.9	8
602	The past and future of food stocks. <i>Environmental Research Letters</i> , 2016, 11, 035010.	2.2	17
603	Structure, function and management of semi-natural habitats for conservation biological control: a review of European studies. <i>Pest Management Science</i> , 2016, 72, 1638-1651.	1.7	222
604	Climate change and ecosystem services. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2016, 7, 537-550.	3.6	50
605	Integrated crop water management might sustainably halve the global food gap. <i>Environmental Research Letters</i> , 2016, 11, 025002.	2.2	182
606	Resolving large-scale pressures on species and ecosystems: propensity modelling identifies agricultural effects on streams. <i>Journal of Applied Ecology</i> , 2016, 53, 408-417.	1.9	15
607	Engineering of CRISPR/Cas9-mediated potyvirus resistance in transgene-free <i>Arabidopsis</i> plants. <i>Molecular Plant Pathology</i> , 2016, 17, 1276-1288.	2.0	339
608	Changes in yield variability of major crops for 1981–2010 explained by climate change. <i>Environmental Research Letters</i> , 2016, 11, 034003.	2.2	155
609	Systemic Feedbacks in Global Land Use. , 2016, , 315-334.		1

#	ARTICLE	IF	CITATIONS
610	Beyond Inputs and Outputs: Opening the Black-Box of Land-Use Intensity. , 2016, , 93-124.		12
611	Factors associated with small-scale agricultural machinery adoption in Bangladesh: Census findings. Journal of Rural Studies, 2016, 46, 155-168.	2.1	116
612	Remaining questions in the case for balanced harvesting. Fish and Fisheries, 2016, 17, 1216-1226.	2.7	39
613	Agronomic improvements can make future cereal systems in South Asia far more productive and result in a lower environmental footprint. Global Change Biology, 2016, 22, 1054-1074.	4.2	70
614	Patterns of land use, extensification, and intensification of Brazilian agriculture. Global Change Biology, 2016, 22, 2887-2903.	4.2	198
615	Finlay's Wilkinson's regression coefficient as a pre-screening criterion for yield responsiveness to elevated atmospheric CO_2 concentration in crops. Physiologia Plantarum, 2016, 158, 312-317.	2.6	13
616	Genetic Improvements in Rice Yield and Concomitant Increases in Radiation- and Nitrogen-Use Efficiency in Middle Reaches of Yangtze River. Scientific Reports, 2016, 6, 21049.	1.6	57
617	Food Production and Nature Conservation. , 0, , .		9
618	Diet change and food loss reduction: What is their combined impact on global water use and scarcity?. Earth's Future, 2016, 4, 62-78.	2.4	69
619	Productivity ranges of sustainable biomass potentials from non-agricultural land. Environmental Research Letters, 2016, 11, 074026.	2.2	13
620	Landscape configuration is the primary driver of impacts on water quality associated with agricultural expansion. Environmental Research Letters, 2016, 11, 074012.	2.2	37
621	A Future Beyond Growth. , 0, , .		15
622	The sustainability of biodynamic horticultural production: the case of Po valley. Acta Horticulturae, 2016, , 171-178.	0.1	0
623	Illinois Soil Nitrogen Test Method Optimization for Analysis of Temperate Mineral Grassland Soils. Communications in Soil Science and Plant Analysis, 2016, 47, 112-121.	0.6	0
624	Growing sensitivity of maize to water scarcity under climate change. Scientific Reports, 2016, 6, 19605.	1.6	87
625	Can sub-Saharan Africa feed itself?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14964-14969.	3.3	564
626	Expression of cyanobacterial FBP/SBPase in soybean prevents yield depression under future climate conditions. Journal of Experimental Botany, 2017, 68, erw435.	2.4	61
627	Transport and homeostasis of potassium and phosphate: limiting factors for sustainable crop production. Journal of Experimental Botany, 2016, 68, erw444.	2.4	42

#	ARTICLE	IF	CITATIONS
628	The elasticity of global cropland with respect to crop production and its implications for peak cropland. <i>Environmental Research Letters</i> , 2016, 11, 114016.	2.2	0
629	Occurrence, public health hazards and detection methods of antibiotic residues in foods of animal origin: A comprehensive review. <i>Cogent Food and Agriculture</i> , 2016, 2, .	0.6	27
631	Hotspots of land use change in Europe. <i>Environmental Research Letters</i> , 2016, 11, 064020.	2.2	174
632	Assessing the impact of climate change on crop management in winter wheat – a case study for Eastern Austria. <i>Journal of Agricultural Science</i> , 2016, 154, 1153-1170.	0.6	15
633	Integrated crop-N system management to establish high wheat yield population. <i>Field Crops Research</i> , 2016, 191, 66-74.	2.3	27
634	Greenhouse gas emissions and reactive nitrogen releases during the life-cycles of staple food production in China and their mitigation potential. <i>Science of the Total Environment</i> , 2016, 556, 116-125.	3.9	122
635	The role of rainfed agriculture in securing food production in the Nile Basin. <i>Environmental Science and Policy</i> , 2016, 61, 14-23.	2.4	30
636	Assessing water resource use in livestock production: A review of methods. <i>Livestock Science</i> , 2016, 187, 68-79.	0.6	68
637	Meeting future food demand with current agricultural resources. <i>Global Environmental Change</i> , 2016, 39, 125-132.	3.6	277
638	Sustainability of rice intensification in Uruguay from 1993 to 2013. <i>Global Food Security</i> , 2016, 9, 10-18.	4.0	37
639	Remote Sensing and Land Suitability Analysis to Establish Local Specific Inputs for Paddy Fields in Subang, West Java. <i>Procedia Environmental Sciences</i> , 2016, 33, 94-107.	1.3	24
640	Changes in the spatial patterns of human appropriation of net primary production (HANPP) in Europe 1990–2006. <i>Regional Environmental Change</i> , 2016, 16, 1225-1238.	1.4	55
641	Fate of 15N fertilizer under different nitrogen split applications to plastic mulched maize in semiarid farmland. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 105, 129-140.	1.1	71
642	IRRIGATION OF CHICKPEA (<i>CICER ARIETINUM</i> L.) INCREASES YIELD BUT NOT WATER PRODUCTIVITY. <i>Experimental Agriculture</i> , 2016, 52, 1-13.	0.4	21
643	Corn and sorghum phenotyping using a fixed-wing UAV-based remote sensing system. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
644	Liming in the conversion from degraded pastureland to a no-till cropping system in Southern Brazil. <i>Soil and Tillage Research</i> , 2016, 162, 68-77.	2.6	49
645	Food Surplus and Its Climate Burdens. <i>Environmental Science & Technology</i> , 2016, 50, 4269-4277.	4.6	139
646	Sustainable Crop Production System. , 2016, , 103-116.		21

#	ARTICLE	IF	CITATIONS
647	How can the EU climate targets be met? A combined analysis of technological and demand-side changes in food and agriculture. <i>Food Policy</i> , 2016, 59, 152-164.	2.8	177
648	Crop planting date matters: Estimation methods and effect on future yields. <i>Agricultural and Forest Meteorology</i> , 2016, 223, 103-115.	1.9	57
649	Improving China's food and environmental security with conservation agriculture. <i>International Journal of Agricultural Sustainability</i> , 2016, 14, 377-391.	1.3	32
650	Mapping and analysing cropland use intensity from a NPP perspective. <i>Environmental Research Letters</i> , 2016, 11, 014008.	2.2	43
651	Phytohormones and their metabolic engineering for abiotic stress tolerance in crop plants. <i>Crop Journal</i> , 2016, 4, 162-176.	2.3	695
652	The cost-effectiveness of agri-environment schemes for biodiversity conservation: A quantitative review. <i>Agriculture, Ecosystems and Environment</i> , 2016, 225, 184-191.	2.5	62
653	Factors influencing fertilizer demand in developing countries: evidence from Malawi. <i>Journal of Agribusiness in Developing and Emerging Economies</i> , 2016, 6, 59-71.	1.2	10
654	Legume shovelomics: High-throughput phenotyping of common bean (<i>Phaseolus vulgaris</i> L.) and cowpea (<i>Vigna unguiculata</i> subsp. <i>unguiculata</i>) root architecture in the field. <i>Field Crops Research</i> , 2016, 192, 21-32.	2.3	112
655	Genome-wide identification and functional prediction of nitrogen-responsive intergenic and intronic long non-coding RNAs in maize (<i>Zea mays</i> L.). <i>BMC Genomics</i> , 2016, 17, 350.	1.2	107
656	Global assessment of nitrogen losses and trade-offs with yields from major crop cultivations. <i>Science of the Total Environment</i> , 2016, 572, 526-537.	3.9	49
657	Closing yield gaps in China by empowering smallholder farmers. <i>Nature</i> , 2016, 537, 671-674.	13.7	417
658	Methane uptake in semiarid farmland subjected to different mulching and nitrogen fertilization regimes. <i>Biology and Fertility of Soils</i> , 2016, 52, 941-950.	2.3	31
659	Crop Diversification Improves pH in Acidic Soils. <i>Journal of Crop Improvement</i> , 2016, 30, 657-667.	0.9	13
660	Reducing cultivation risk for at-risk species: Predicting outcomes of conservation easements for sage-grouse. <i>Biological Conservation</i> , 2016, 201, 10-19.	1.9	41
661	Determinants of crop-livestock integration in Brazil: Evidence from the household and regional levels. <i>Land Use Policy</i> , 2016, 59, 557-568.	2.5	73
662	Tropical grassy biomes: linking ecology, human use and conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160329.	1.8	73
663	Global Food Demand and Carbon-Preserving Cropland Expansion under Varying Levels of Intensification. <i>Land Economics</i> , 2016, 92, 579-592.	0.5	11
664	Nitrate and Nitrogen Oxides: Sources, Health Effects and Their Remediation. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 242, 183-217.	0.7	31

#	ARTICLE	IF	CITATIONS
665	Is it time for a socio-ecological revolution in agriculture?. <i>Agriculture, Ecosystems and Environment</i> , 2016, 235, 13-16.	2.5	22
666	An environmental analysis of options for utilising wasted food and food residue. <i>Journal of Environmental Management</i> , 2016, 183, 826-835.	3.8	85
667	Ethical Issues in Poverty Alleviation. <i>Studies in Global Justice</i> , 2016, , .	0.2	4
668	Plant growth promotion by streptomycetes: ecophysiology, mechanisms and applications. <i>Chemical and Biological Technologies in Agriculture</i> , 2016, 3, .	1.9	105
669	Determination and evaluation of heavy metals in soils under two different greenhouse vegetable production systems in eastern China. <i>Chemosphere</i> , 2016, 165, 555-563.	4.2	53
670	Toward large-scale crop production forecasts for global food security. <i>IBM Journal of Research and Development</i> , 2016, 60, 5:1-5:11.	3.2	5
671	Human appropriation of land for food: The role of diet. <i>Global Environmental Change</i> , 2016, 41, 88-98.	3.6	140
673	Influence of the irrigation technique and strategies on the nitrogen cycle and budget: A review. <i>Agricultural Water Management</i> , 2016, 178, 225-238.	2.4	64
674	Flare gas recovery for algal protein production. <i>Algal Research</i> , 2016, 20, 142-152.	2.4	19
675	Impacts of second-generation biofuel feedstock production in the central U.S. on the hydrologic cycle and global warming mitigation potential. <i>Geophysical Research Letters</i> , 2016, 43, 10,773.	1.5	15
676	Budding trends in integrated pest management using advanced micro- and nano-materials: Challenges and perspectives. <i>Journal of Environmental Management</i> , 2016, 184, 157-169.	3.8	86
677	Modeling Climate Change Effects on Renewable and Non-Renewable Resources. , 2016, , 121-136.		0
678	The breakfast imperative: The changing context of global food security. <i>Journal of Integrative Agriculture</i> , 2016, 15, 1179-1185.	1.7	13
679	Grain production versus resource and environmental costs: towards increasing sustainability of nutrient use in China. <i>Journal of Experimental Botany</i> , 2016, 67, 4935-4949.	2.4	111
680	Reconciling agriculture, carbon and biodiversity in a savannah transformation frontier. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150316.	1.8	33
681	Evaluation of the grain yield and nitrogen nutrient status of wheat (<i>Triticum aestivum</i> L.) using thermal imaging. <i>Field Crops Research</i> , 2016, 196, 463-472.	2.3	31
682	Impact of climate change on crop yield and role of model for achieving food security. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 465.	1.3	67
683	Sustainability of insect use for feed and food: Life Cycle Assessment perspective. <i>Journal of Cleaner Production</i> , 2016, 137, 741-751.	4.6	259

#	ARTICLE	IF	CITATIONS
684	Land Use Competition. , 2016, , .		17
685	Competition for Land-Based Ecosystem Services: Trade-Offs and Synergies. , 2016, , 127-147.		3
686	Exploring the widening food gap: an international perspective. Agricultural Economics (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66.	2.0	3
687	Reducing Chinaâ€™s fertilizer use by increasing farm size. Global Environmental Change, 2016, 41, 26-32.	3.6	257
688	Controlling Bacterial Antibiotic Resistance Using Plant-Derived Antimicrobials. , 2016, , 205-226.		6
689	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO2. Field Crops Research, 2016, 198, 80-92.	2.3	47
690	Food production, ecosystem services and biodiversity: We can't have it all everywhere. Science of the Total Environment, 2016, 573, 1422-1429.	3.9	81
691	Predicting Long-Term Food Demand, Cropland Use, and Prices. Annual Review of Resource Economics, 2016, 8, 417-441.	1.5	38
692	Vertical farming increases lettuce yield per unit area compared to conventional horizontal hydroponics. Food and Energy Security, 2016, 5, 184-191.	2.0	167
693	Biomass turnover time in terrestrial ecosystems halved by land use. Nature Geoscience, 2016, 9, 674-678.	5.4	108
694	Soil management shapes ecosystem service provision and trade-offs in agricultural landscapes. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161369.	1.2	38
695	Genetic architecture of male floral traits required for hybrid wheat breeding. Theoretical and Applied Genetics, 2016, 129, 2343-2357.	1.8	124
696	Back to perennials: Does selection enhance tradeoffs between yield and longevity?. Industrial Crops and Products, 2016, 91, 272-278.	2.5	29
697	Responses of plant development, biomass and seed production of direct sown oilseed rape (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66.	2.3	24
698	Drivers of changes in agricultural intensity in Europe. Land Use Policy, 2016, 58, 380-393.	2.5	78
699	Reconnecting crop and cattle farming to reduce nitrogen losses to river water of an intensive agricultural catchment (Seine basin, France): past, present and future. Environmental Science and Policy, 2016, 63, 76-90.	2.4	72
701	Algal food and fuel coproduction can mitigate greenhouse gas emissions while improving land and water-use efficiency. Environmental Research Letters, 2016, 11, 114006.	2.2	44
702	Bioenergy Trees: Genetic and Genomic Strategies to Improve Yield. , 2016, , 167-190.		4

#	ARTICLE	IF	CITATIONS
703	Prerequisites for Understanding Climate-Change Impacts on Northern Prairie Wetlands. <i>Wetlands</i> , 2016, 36, 299-307.	0.7	33
704	Responding to Global Challenges in Food, Energy, Environment and Water: Risks and Options Assessment for Decision-Making. <i>Asia and the Pacific Policy Studies</i> , 2016, 3, 275-299.	0.6	45
705	The impact of cerium oxide nanoparticles on the salt stress responses of <i>Brassica napus</i> L.. <i>Environmental Pollution</i> , 2016, 219, 28-36.	3.7	171
706	Seasonal activity patterns of European bats above intensively used farmland. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 130-139.	2.5	45
708	Multi-site assessment of the effects of plastic-film mulch on the soil organic carbon balance in semiarid areas of China. <i>Agricultural and Forest Meteorology</i> , 2016, 228-229, 42-51.	1.9	126
709	Interaction between plant density and nitrogen management strategy in improving maize grain yield and nitrogen use efficiency on the North China Plain. <i>Journal of Agricultural Science</i> , 2016, 154, 978-988.	0.6	35
710	Multi-country evidence that crop diversification promotes ecological intensification of agriculture. <i>Nature Plants</i> , 2016, 2, 16014.	4.7	267
711	What evidence exists for the effectiveness of on-farm conservation land management strategies for preserving ecosystem services in developing countries? A systematic map. <i>Environmental Evidence</i> , 2016, 5, .	1.1	12
712	Inferring changes in water cycle dynamics of intensively managed landscapes via the theory of time-variant travel time distributions. <i>Water Resources Research</i> , 2016, 52, 7593-7614.	1.7	27
713	Valuation of ecosystem services in organic cereal crop production systems with different management practices in relation to organic matter input. <i>Ecosystem Services</i> , 2016, 22, 117-127.	2.3	15
714	Sunlight availability and potential food and energy self-sufficiency in tropical generic residential districts. <i>Solar Energy</i> , 2016, 139, 757-769.	2.9	21
715	Future C loss in mid-latitude mineral soils: climate change exceeds land use mitigation potential in France. <i>Scientific Reports</i> , 2016, 6, 35798.	1.6	29
716	Food system consequences of a fungal disease epidemic in a major crop. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150467.	1.8	68
717	Global conservation priorities for crop wild relatives. <i>Nature Plants</i> , 2016, 2, 16022.	4.7	415
718	The phosphorus cost of agricultural intensification in the tropics. <i>Nature Plants</i> , 2016, 2, 16043.	4.7	151
719	Optimizing land use decision-making to sustain Brazilian agricultural profits, biodiversity and ecosystem services. <i>Biological Conservation</i> , 2016, 204, 221-230.	1.9	96
720	High throughput phenotyping of cotton plant height using depth images under field conditions. <i>Computers and Electronics in Agriculture</i> , 2016, 130, 57-68.	3.7	97
721	Exploring the biophysical option space for feeding the world without deforestation. <i>Nature Communications</i> , 2016, 7, 11382.	5.8	221

#	ARTICLE	IF	CITATIONS
722	Greener revolutions for all. <i>Nature Biotechnology</i> , 2016, 34, 1106-1110.	9.4	16
723	The water-land-food nexus of first-generation biofuels. <i>Scientific Reports</i> , 2016, 6, 22521.	1.6	226
724	Climate analogues suggest limited potential for intensification of production on current croplands under climate change. <i>Nature Communications</i> , 2016, 7, 12608.	5.8	80
725	Sparing or sharing? Differing approaches to managing agricultural and environmental spaces in England and Ontario. <i>Journal of Rural Studies</i> , 2016, 48, 77-91.	2.1	13
726	Bird diversity and abundance in organic and conventional apple orchards in northern Japan. <i>Scientific Reports</i> , 2016, 6, 34210.	1.6	10
727	Assessing the land resource–food price nexus of the Sustainable Development Goals. <i>Science Advances</i> , 2016, 2, e1501499.	4.7	162
728	Recontamination Effect of Treated Wastewater on Prevalence of Intestinal Helminthes: Case Study on Vegetable Producers Groups in Ouagadougou (Burkina Faso). <i>Journal of Water and Environment Technology</i> , 2016, 14, 125-134.	0.3	3
729	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. <i>National Science Review</i> , 2016, 3, nww081.	4.6	96
730	Building the new international science of the agriculture–food–water–environment nexus in china and the world. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	1.5	1
731	Past and present biophysical redundancy of countries as a buffer to changes in food supply. <i>Environmental Research Letters</i> , 2016, 11, 055008.	2.2	29
732	Sulphur-coated urea as a source of sulphur and an enhanced efficiency of nitrogen fertilizer for spring wheat. <i>Cereal Research Communications</i> , 2016, 44, 513-523.	0.8	27
733	What commodities and countries impact inequality in the global food system?. <i>Environmental Research Letters</i> , 2016, 11, 095013.	2.2	8
734	Balanced Fertilizer Management Strategy Enhances Potato Yield and Marketing Quality. <i>Agronomy Journal</i> , 2016, 108, 2235-2244.	0.9	7
735	The foundations for an ecological economy: an overview. , 2016, , .		0
736	Quantifying fluctuations in winter productive cropped area in the Central Indian Highlands. <i>Regional Environmental Change</i> , 2016, 16, 69-82.	1.4	4
737	A comprehensive assessment of agricultural intensification scenarios for the Dongting Lake basin in south-central China in 2030. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14018-14033.	2.7	4
738	Students'™ Engagement in an Extension Program in Agroecology for Subsistence Farmers at the Universidad Católica Santa María La Antigua (USMA), Panamá. <i>World Sustainability Series</i> , 2016, , 147-161.	0.3	2
739	Breeding Forages to Cope with Environmental Challenges in the Light of Climate Change and Resource Limitations. , 2016, , 3-13.		0

#	ARTICLE	IF	CITATIONS
740	Exploring factors that shape small-scale farmers'™ opinions on the adoption of eco-friendly nets for vegetable production. <i>Environment, Development and Sustainability</i> , 2016, 18, 1749-1770.	2.7	15
741	Applying Occam's razor to global agricultural land use change. <i>Environmental Modelling and Software</i> , 2016, 75, 212-229.	1.9	26
742	Sustainable intensification of agricultural systems in the Central African Highlands: The need for institutional innovation. <i>Agricultural Systems</i> , 2016, 145, 165-176.	3.2	102
743	Climate change and indicators of probable shifts in the consumption portfolios of dryland farmers in Sub-Saharan Africa: Implications for policy. <i>Ecological Indicators</i> , 2016, 67, 830-838.	2.6	61
744	N ₂ O emission from a tomato rockwool culture is highly responsive to photoirradiation conditions. <i>Scientia Horticulturae</i> , 2016, 201, 318-328.	1.7	5
745	Multifunctional Environmental Smart Fertilizer Based on <sc>L</sc>-Aspartic Acid for Sustained Nutrient Release. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4965-4974.	2.4	79
746	Evolution of plant genome architecture. <i>Genome Biology</i> , 2016, 17, 37.	3.8	331
747	Natural tree regeneration in agricultural landscapes: The implications of intensification. <i>Agriculture, Ecosystems and Environment</i> , 2016, 230, 98-104.	2.5	19
748	RhizoTubes as a new tool for high throughput imaging of plant root development and architecture: test, comparison with pot grown plants and validation. <i>Plant Methods</i> , 2016, 12, 31.	1.9	76
749	Potential promoted productivity and spatial patterns of medium- and low-yield cropland land in China. <i>Journal of Chinese Geography</i> , 2016, 26, 259-271.	1.5	19
750	Enriching small trees with artificial nest boxes cannot mimic the value of large trees for hollow-nesting birds. <i>Restoration Ecology</i> , 2016, 24, 252-258.	1.4	30
751	Characterising the within-field scale spatial variation of nitrogen in a grassland soil to inform the efficient design of in-situ nitrogen sensor networks for precision agriculture. <i>Agriculture, Ecosystems and Environment</i> , 2016, 230, 294-306.	2.5	28
752	A multi-dimensional metric for facilitating sustainable food choices in campus cafeterias. <i>Journal of Cleaner Production</i> , 2016, 135, 1351-1362.	4.6	21
753	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , 2016, 22, 1008-1028.	4.2	605
754	Decoupling of greenhouse gas emissions from global agricultural production: 1970-2050. <i>Global Change Biology</i> , 2016, 22, 763-781.	4.2	161
755	Perennial Grain and Oilseed Crops. <i>Annual Review of Plant Biology</i> , 2016, 67, 703-729.	8.6	68
756	Increasing beef production could lower greenhouse gas emissions in Brazil if decoupled from deforestation. <i>Nature Climate Change</i> , 2016, 6, 493-497.	8.1	122
757	Carbon Nanotubes as a DNA Delivery Agent for Generation of Genetically Modified Mammals Embryos. <i>Nanomedicine and Nanotoxicology</i> , 2016, , 31-56.	0.1	0

#	ARTICLE	IF	CITATIONS
758	Emerging Agricultural Biotechnologies for Sustainable Agriculture and Food Security. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 383-393.	2.4	59
759	Time-delayed model of immune response in plants. <i>Journal of Theoretical Biology</i> , 2016, 389, 28-39.	0.8	13
760	Spatio-temporal analysis of agricultural land-use intensity across the Western Siberian grain belt. <i>Science of the Total Environment</i> , 2016, 544, 271-280.	3.9	58
761	Assessing the carbon footprint of beef cattle in Brazil: a case study with 22 farms in the State of Mato Grosso. <i>Journal of Cleaner Production</i> , 2016, 112, 2593-2600.	4.6	67
762	A review of greenhouse gas emission liabilities as the value of renewable energy for mitigating lawsuits for climate change related damages. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 899-908.	8.2	93
763	Productivity and soil fertility of the rice-wheat system in the High Ganges River Floodplain of Bangladesh is influenced by the inclusion of legumes and manure. <i>Agriculture, Ecosystems and Environment</i> , 2016, 218, 40-52.	2.5	57
764	Soil amendment affects Cd uptake by wheat – are we underestimating the risks from chloride inputs?. <i>Science of the Total Environment</i> , 2016, 554-555, 349-357.	3.9	31
765	The relevance and resilience of protected areas in the Anthropocene. <i>Anthropocene</i> , 2016, 13, 46-56.	1.6	77
766	Classification of Vegetation Type in Iraq Using Satellite-Based Phenological Parameters. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 414-424.	2.3	24
767	A field-scale investigation of nutrient and sediment reduction efficiencies of a low-technology best management practice: Low-grade weirs. <i>Ecological Engineering</i> , 2016, 91, 240-248.	1.6	32
768	Environmental health impacts of feeding crops to farmed fish. <i>Environment International</i> , 2016, 91, 201-214.	4.8	138
769	Incorporation of root C and fertilizer N into the food web of an arable field: Variations with functional group and energy channel. <i>Food Webs</i> , 2016, 9, 39-45.	0.5	15
770	Greenhouse gas mitigation potentials in the livestock sector. <i>Nature Climate Change</i> , 2016, 6, 452-461.	8.1	588
771	Meat and milk production scenarios and the associated land footprint in Kenya. <i>Agricultural Systems</i> , 2016, 145, 64-75.	3.2	22
772	The Costs of Photorespiration to Food Production Now and in the Future. <i>Annual Review of Plant Biology</i> , 2016, 67, 107-129.	8.6	277
773	Insect pollination reduces yield loss following heat stress in faba bean (<i>Vicia faba</i> L.). <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 89-96.	2.5	49
774	Negative global phosphorus budgets challenge sustainable intensification of grasslands. <i>Nature Communications</i> , 2016, 7, 10696.	5.8	117
775	Sustainable Agriculture Reviews. <i>Sustainable Agriculture Reviews</i> , 2016, , .	0.6	13

#	ARTICLE	IF	CITATIONS
776	Perennial, species-rich wildflower strips enhance pest control and crop yield. <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 97-103.	2.5	155
777	Agricultural production and greenhouse gas emissions from world regions—The major trends over 40 years. <i>Global Environmental Change</i> , 2016, 37, 43-55.	3.6	96
778	Underestimating neonicotinoid exposure: how extent and magnitude may be affected by land-use change. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7050-7054.	2.7	9
779	The potash market and its future prospects. <i>Resources Policy</i> , 2016, 47, 154-163.	4.2	27
780	Current approaches neglect possible agricultural cutback under large-scale organic farming. A comment to Ponisio <i>et al</i> .. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20151623.	1.2	14
781	Urban versus conventional agriculture, taxonomy of resource profiles: a review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	107
782	Impact of Climate Change Factors on Weeds and Herbicide Efficacy. <i>Advances in Agronomy</i> , 2016, , 107-146.	2.4	116
783	Assessing carbon and water dynamics of no-till and conventional tillage cropping systems in the inland Pacific Northwest US using the eddy covariance method. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 37-49.	1.9	52
784	Short-term effects of mechanical drainage on fungal and bacterial community structure in a managed grassland soil. <i>Applied Soil Ecology</i> , 2016, 101, 93-100.	2.1	8
785	Identification of a Stelar-Localized Transport Protein That Facilitates Root-to-Shoot Transfer of Chloride in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 170, 1014-1029.	2.3	100
786	Effect of split application of nitrogen on nitrous oxide emissions from plastic mulching maize in the semiarid Loess Plateau. <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 21-27.	2.5	62
787	Linking MODIS-derived forest and cropland land cover 2011 estimations to socioeconomic and environmental indicators for the European Union's 28 countries. <i>GIScience and Remote Sensing</i> , 2016, 53, 122-146.	2.4	24
788	Farmers' Perceptions of Climate Variability and Factors Influencing Adaptation: Evidence from Anhui and Jiangsu, China. <i>Environmental Management</i> , 2016, 57, 976-986.	1.2	57
789	Environmental assessment of small-scale dairy farms with multifunctionality in mountain areas. <i>Journal of Cleaner Production</i> , 2016, 124, 94-102.	4.6	33
790	Ecological Intensification: Local Innovation to Address Global Challenges. <i>Sustainable Agriculture Reviews</i> , 2016, , 1-34.	0.6	68
791	Agroecological Principles from a Bibliographic Analysis of the Term Agroecology. <i>Sustainable Agriculture Reviews</i> , 2016, , 203-231.	0.6	10
792	Regional suitability for agricultural intensification: a spatial analysis of the Southern Agricultural Growth Corridor of Tanzania. <i>International Journal of Agricultural Sustainability</i> , 2016, 14, 231-247.	1.3	28
793	Multi-site assessment of the effects of plastic-film mulch on dryland maize productivity in semiarid areas in China. <i>Agricultural and Forest Meteorology</i> , 2016, 220, 160-169.	1.9	117

#	ARTICLE	IF	CITATIONS
794	Mapping cropland-use intensity across Europe using MODIS NDVI time series. <i>Environmental Research Letters</i> , 2016, 11, 024015.	2.2	107
795	Improving Yield and Nitrogen Use Efficiency Simultaneously for Maize and Wheat in China: A Review. <i>Pedosphere</i> , 2016, 26, 137-147.	2.1	110
796	Assessment of impact of climate change and adaptation strategies on maize production in Uganda. <i>Physics and Chemistry of the Earth</i> , 2016, 93, 37-45.	1.2	25
797	The terrestrial biosphere as a net source of greenhouse gases to the atmosphere. <i>Nature</i> , 2016, 531, 225-228.	13.7	402
798	Integrated analysis on economic and environmental consequences of livestock husbandry on different scale in China. <i>Journal of Cleaner Production</i> , 2016, 119, 1-12.	4.6	88
799	expVIP: a Customizable RNA-seq Data Analysis and Visualization Platform. <i>Plant Physiology</i> , 2016, 170, 2172-2186.	2.3	403
800	Drought-induced changes in nitrogen partitioning between cyanide and nitrate in leaves and stems of sorghum grown at elevated CO ₂ are age dependent. <i>Field Crops Research</i> , 2016, 185, 97-102.	2.3	46
801	Edge-of-field research to quantify the impacts of agricultural practices on water quality in Ohio. <i>Journal of Soils and Water Conservation</i> , 2016, 71, 9A-12A.	0.8	45
802	Emerging Viral Zoonoses from Wildlife Associated with Animal-Based Food Systems: Risks and Opportunities. , 2016, , 31-57.		11
803	Saving land to feed a growing population: consequences for consumption of crop and livestock products. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 677-687.	2.2	108
804	Fortification of micronutrients for efficient agronomic production: a review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	306
805	The potential for land sparing to offset greenhouse gas emissions from agriculture. <i>Nature Climate Change</i> , 2016, 6, 488-492.	8.1	177
806	Responses of Tropical Bats to Habitat Fragmentation, Logging, and Deforestation. , 2016, , 63-103.		98
807	Quantifying plant phenotypes with isotopic labeling & metabolic flux analysis. <i>Current Opinion in Biotechnology</i> , 2016, 37, 45-52.	3.3	42
808	Intercropping maize and wheat with conservation agriculture principles improves water harvesting and reduces carbon emissions in dry areas. <i>European Journal of Agronomy</i> , 2016, 74, 9-17.	1.9	57
809	The impacts of expansion and degradation on Australian cropping yields—An integrated historical perspective. <i>Agricultural Systems</i> , 2016, 143, 22-37.	3.2	6
810	Functional and transcriptional characterization of a barley mutant with impaired photosynthesis. <i>Plant Science</i> , 2016, 244, 19-30.	1.7	12
811	One Health in food safety and security education: A curricular framework. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2016, 44, 29-33.	0.7	16

#	ARTICLE	IF	CITATIONS
812	Investing in the transition to sustainable agriculture. <i>Environmental Science and Policy</i> , 2016, 55, 266-273.	2.4	205
813	Analysis of chickpea yield gap and water-limited potential yield in Iran. <i>Field Crops Research</i> , 2016, 185, 21-30.	2.3	39
814	Degradation of soil fertility can cancel pollination benefits in sunflower. <i>Oecologia</i> , 2016, 180, 581-587.	0.9	21
815	Bacteria and fungi can contribute to nutrients bioavailability and aggregate formation in degraded soils. <i>Microbiological Research</i> , 2016, 183, 26-41.	2.5	534
816	Non-bee insects are important contributors to global crop pollination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 146-151.	3.3	618
817	Eco-efficiency improvement by using integrative design and life cycle assessment. The case study of alternative bread supply chains in France. <i>Journal of Cleaner Production</i> , 2016, 112, 2452-2461.	4.6	55
818	Global food supply: land use efficiency of livestock systems. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 747-758.	2.2	156
819	European Countries Trapped in Food Poverty and Inequality: Agricultural Sustainability is the Promising Solution. <i>Social Indicators Research</i> , 2016, 129, 181-194.	1.4	6
820	Vegetation response to intensive commercial horticulture and environmental changes within watersheds in central highlands, Kenya, using AVHRR NDVI data. <i>GIScience and Remote Sensing</i> , 2016, 53, 1-21.	2.4	6
821	Estimating crop yield using a satellite-based light use efficiency model. <i>Ecological Indicators</i> , 2016, 60, 702-709.	2.6	52
822	Cooling of US Midwest summer temperature extremes from cropland intensification. <i>Nature Climate Change</i> , 2016, 6, 317-322.	8.1	191
823	Size matters: Significant negative relationship between mature plant mass and residual neonicotinoid levels in seed-treated oilseed rape and maize crops. <i>Agriculture, Ecosystems and Environment</i> , 2016, 215, 85-88.	2.5	16
824	Improving in-season estimation of rice yield potential and responsiveness to topdressing nitrogen application with Crop Circle active crop canopy sensor. <i>Precision Agriculture</i> , 2016, 17, 136-154.	3.1	72
825	Concepts for further sustainable production of foods. <i>Journal of Food Engineering</i> , 2016, 168, 42-51.	2.7	180
826	Effects of wetland restoration on nitrate removal in an irrigated agricultural area: The role of in-stream and off-stream wetlands. <i>Ecological Engineering</i> , 2017, 103, 426-435.	1.6	27
827	The intersection of food security and biodiversity conservation: a review. <i>Regional Environmental Change</i> , 2017, 17, 1303-1313.	1.4	56
828	Impact of atrazine prohibition on the sustainability of weed management in Wisconsin maize production. <i>Pest Management Science</i> , 2017, 73, 425-434.	1.7	8
829	Hotspots analysis and critical interpretation of food life cycle assessment studies for selecting eco-innovation options and for policy support. <i>Journal of Cleaner Production</i> , 2017, 140, 556-568.	4.6	60

#	ARTICLE	IF	CITATIONS
830	Mitigation of unwanted direct and indirect land-use change – an integrated approach illustrated for palm oil, pulpwood, rubber and rice production in North and East Kalimantan, Indonesia. <i>GCB Bioenergy</i> , 2017, 9, 429-444.	2.5	20
831	Addressing future trade-offs between biodiversity and cropland expansion to improve food security. <i>Regional Environmental Change</i> , 2017, 17, 1429-1441.	1.4	74
832	Environmental costs and benefits of growing <i>Miscanthus</i> for bioenergy in the UK. <i>GCB Bioenergy</i> , 2017, 9, 489-507.	2.5	183
833	Biodiversity and ecosystem services in forest ecosystems: a research agenda for applied forest ecology. <i>Journal of Applied Ecology</i> , 2017, 54, 12-27.	1.9	289
834	Key sustainability challenges for the global phosphorus resource, their implications for global food security, and options for mitigation. <i>Journal of Cleaner Production</i> , 2017, 140, 945-963.	4.6	224
835	Surveying the Environmental Footprint of Urban Food Consumption. <i>Journal of Industrial Ecology</i> , 2017, 21, 151-165.	2.8	69
836	The matrix matters, but how should we manage it? Estimating the amount of high-quality matrix required to maintain biodiversity in fragmented landscapes. <i>Ecography</i> , 2017, 40, 171-178.	2.1	29
837	Indigenous Charcoal and Biochar Production: Potential for Soil Improvement under Shifting Cultivation Systems. <i>Land Degradation and Development</i> , 2017, 28, 811-821.	1.8	47
838	Relationships among multiple aspects of agriculture's environmental impact and productivity: a meta-analysis to guide sustainable agriculture. <i>Biological Reviews</i> , 2017, 92, 716-738.	4.7	96
839	Sustainable Agriculture Reviews. <i>Sustainable Agriculture Reviews</i> , 2017, , .	0.6	12
840	Soil Management to Optimize Water in Rice-Wheat Cropping. <i>Sustainable Agriculture Reviews</i> , 2017, , 253-279.	0.6	0
841	Nutrient removal and energy production from aqueous phase of bio-oil generated via hydrothermal liquefaction of algae. <i>Bioresource Technology</i> , 2017, 230, 43-48.	4.8	54
842	A method to identify drivers of societal change likely to affect natural assets in the future, illustrated with Australia's native biodiversity. <i>Science of the Total Environment</i> , 2017, 581-582, 80-86.	3.9	0
843	Operationalising the health aspects of sustainable diets: a review. <i>Public Health Nutrition</i> , 2017, 20, 739-757.	1.1	69
844	Increasing productivity and improving livelihoods in aquatic agricultural systems: a review of interventions. <i>Food Security</i> , 2017, 9, 39-60.	2.4	8
845	Metabolic engineering of a diazotrophic bacterium improves ammonium release and biofertilization of plants and microalgae. <i>Metabolic Engineering</i> , 2017, 40, 59-68.	3.6	60
846	Spectral matching techniques (SMTs) and automated cropland classification algorithms (ACCAs) for mapping croplands of Australia using MODIS 250-m time-series (2000–2015) data. <i>International Journal of Digital Earth</i> , 2017, 10, 944-977.	1.6	44
847	Multiple ecosystem services provision and biomass logistics management in bioenergy buffers: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 277-290.	8.2	66

#	ARTICLE	IF	CITATIONS
848	Importance of forest buffers for preserving soil carbon and nutrient stocks in farmed landscapes along two river sites in the savannas of the Volta basin, Ghana. <i>Arid Land Research and Management</i> , 2017, 31, 219-233.	0.6	3
849	Declining spatial efficiency of global cropland nitrogen allocation. <i>Global Biogeochemical Cycles</i> , 2017, 31, 245-257.	1.9	55
850	Preliminary analysis on economic and environmental consequences of grain production on different farm sizes in North China Plain. <i>Agricultural Systems</i> , 2017, 153, 181-189.	3.2	54
851	Ecosystem Services Mapping for Sustainable Agricultural Water Management in California's Central Valley. <i>Environmental Science & Technology</i> , 2017, 51, 2593-2601.	4.6	12
852	A systems approach to forecast agricultural land transformation and soil environmental risk from economic, policy, and cultural scenarios in the north central United States (2012-2062). <i>International Journal of Agricultural Sustainability</i> , 2017, 15, 102-123.	1.3	18
853	Inoculation of arbuscular mycorrhizal fungi with plastic mulching in rainfed wheat: A promising farming strategy. <i>Field Crops Research</i> , 2017, 204, 229-241.	2.3	27
854	Losses, inefficiencies and waste in the global food system. <i>Agricultural Systems</i> , 2017, 153, 190-200.	3.2	338
855	Sixty years of habitat decline: impact of land-cover changes in northern Italy on the decreasing ortolan bunting <i>Emberiza hortulana</i> . <i>Regional Environmental Change</i> , 2017, 17, 323-333.	1.4	17
856	Spatio-temporal patterns of winter wheat yield potential and yield gap during the past three decades in North China. <i>Field Crops Research</i> , 2017, 206, 11-20.	2.3	57
857	Reframing the Food's Biodiversity Challenge. <i>Trends in Ecology and Evolution</i> , 2017, 32, 335-345.	4.2	142
858	Keeping the nitrogen-fixation dream alive. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3009-3011.	3.3	82
859	Many shades of gray—The context-dependent performance of organic agriculture. <i>Science Advances</i> , 2017, 3, e1602638.	4.7	294
860	Water and nitrogen movement through a semiarid dryland agricultural catchment: Seasonal and decadal trends. <i>Hydrological Processes</i> , 2017, 31, 1889-1899.	1.1	8
861	Politics of Poverty: The Post-2015 Sustainable Development Goals and the Business of Agriculture. <i>Globalizations</i> , 2017, 14, 360-378.	1.9	32
862	An assessment of climate change impacts on maize yields in Hebei Province of China. <i>Science of the Total Environment</i> , 2017, 581-582, 507-517.	3.9	20
863	Trade-offs in arthropod conservation between productive and non-productive agricultural environmental schemes along a landscape complexity gradient. <i>Insect Conservation and Diversity</i> , 2017, 10, 236-247.	1.4	27
864	Acclimation to elevated CO ₂ is improved by low Rubisco and carbohydrate content, and enhanced Rubisco transcripts in the G132 barley mutant. <i>Environmental and Experimental Botany</i> , 2017, 137, 36-48.	2.0	14
865	Optimal plant density and N fertilization to achieve higher seed yield and lower N surplus for winter oilseed rape (<i>Brassica napus</i> L.). <i>Field Crops Research</i> , 2017, 204, 199-207.	2.3	24

#	ARTICLE	IF	CITATIONS
866	Sustainability assessment of smallholder farms in developing countries. <i>Agroecology and Sustainable Food Systems</i> , 2017, 41, 546-569.	1.0	30
867	Total global agricultural land footprint associated with UK food supply 1986–2011. <i>Global Environmental Change</i> , 2017, 43, 72-81.	3.6	53
868	Agroforestry versus farm mosaic systems – Comparing land-use efficiency, economic returns and risks under climate change effects. <i>Science of the Total Environment</i> , 2017, 587-588, 22-35.	3.9	66
869	Modular electron-transport chains from eukaryotic organelles function to support nitrogenase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2460-E2465.	3.3	57
870	Human-induced erosion has offset one-third of carbon emissions from land cover change. <i>Nature Climate Change</i> , 2017, 7, 345-349.	8.1	149
871	A Sustainable Bioeconomy. , 2017, , .		31
872	Could consumption of insects, cultured meat or imitation meat reduce global agricultural land use?. <i>Global Food Security</i> , 2017, 15, 22-32.	4.0	246
873	Remnant vegetation, plantings and fences are beneficial for reptiles in agricultural landscapes. <i>Journal of Applied Ecology</i> , 2017, 54, 1710-1719.	1.9	21
874	Freshwater use in livestock production – To be used for food crops or livestock feed?. <i>Agricultural Systems</i> , 2017, 155, 1-8.	3.2	18
875	Genotype by environment interactions for grain yield of perennial rice derivatives (<i>Oryza sativa</i> L.) Tj ETQq1 1 0.784314 rgBT / Overlock 2.3 35		
876	Agricultural sustainable intensification improved nitrogen use efficiency and maintained high crop yield during 1980–2014 in Northern China. <i>Science of the Total Environment</i> , 2017, 596-597, 61-68.	3.9	71
877	An Ecoregion-Based Approach to Protecting Half the Terrestrial Realm. <i>BioScience</i> , 2017, 67, 534-545.	2.2	1,178
878	Bioeconomy: Multidimensional Impacts and Challenges. , 2017, , 317-343.		2
879	Resilience in ecotoxicology: Toward a multiple equilibrium concept. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2574-2580.	2.2	9
880	Toward a systemic monitoring of the European bioeconomy: Gaps, needs and the integration of sustainability indicators and targets for global land use. <i>Land Use Policy</i> , 2017, 66, 162-171.	2.5	78
881	Triticale out-performs wheat on range of UK soils with a similar nitrogen requirement. <i>Journal of Agricultural Science</i> , 2017, 155, 261-281.	0.6	19
882	Biofuel production and its impact on food security in low and middle income countries: Implications for the post-2015 sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 503-516.	8.2	108
883	Trends in size of tropical deforestation events signal increasing dominance of industrial-scale drivers. <i>Environmental Research Letters</i> , 2017, 12, 054009.	2.2	55

#	ARTICLE	IF	CITATIONS
884	Effectiveness of emergent and submergent aquatic plants in mitigating a nitrogen-pesticide mixture. <i>Chemistry and Ecology</i> , 2017, 33, 420-433.	0.6	4
885	Enhancing genetic gain in the era of molecular breeding. <i>Journal of Experimental Botany</i> , 2017, 68, 2641-2666.	2.4	197
886	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , 2017, 23, 4946-4957.	4.2	259
887	Yield potential and nitrogen use efficiency of China's super rice. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1000-1008.	1.7	79
888	Short tandem target mimic rice lines uncover functions of miRNAs in regulating important agronomic traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5277-5282.	3.3	126
889	Maximizing the production of butyric acid from food waste as a precursor for ABE-fermentation. <i>Science of the Total Environment</i> , 2017, 598, 993-1000.	3.9	43
890	Ecosystem Services and Agriculture in Punjab, India. , 2017, , 59-84.		1
891	Resilience offers escape from trapped thinking on poverty alleviation. <i>Science Advances</i> , 2017, 3, e1603043.	4.7	91
892	Soil. <i>Advances in Agronomy</i> , 2017, , 1-46.	2.4	90
893	Tillage system and organic mulch influence leaf biomass, steviol glycoside yield and soil health under sub-temperate conditions. <i>Industrial Crops and Products</i> , 2017, 104, 33-44.	2.5	10
894	Closing the yield gap and achieving high N use efficiency and low apparent N losses. <i>Field Crops Research</i> , 2017, 209, 39-46.	2.3	36
895	Photosynthesis: ancient, essential, complex, diverse and in need of improvement in a changing world. <i>New Phytologist</i> , 2017, 213, 43-47.	3.5	30
896	Sustainability constraints in determining European bioenergy potential: A review of existing studies and steps forward. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 719-734.	8.2	70
897	Reconciling opposing soil processes in row-crop agroecosystems via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 99-107.	2.5	23
898	Landscape heterogeneity enhances stability of wild bee abundance under highly varying temperature, but not under highly varying precipitation. <i>Landscape Ecology</i> , 2017, 32, 581-593.	1.9	20
899	Volume reduction outweighs biogeochemical processes in controlling phosphorus treatment in aged detention systems. <i>Journal of Contaminant Hydrology</i> , 2017, 203, 9-17.	1.6	8
900	Direct recovery of 33 P-labelled fertiliser phosphorus in subterranean clover (<i>Trifolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 Td (su Ecosystems and Environment, 2017, 246, 144-156.	2.5	13
901	Comparative analysis of environmental impacts of agricultural production systems, agricultural input efficiency, and food choice. <i>Environmental Research Letters</i> , 2017, 12, 064016.	2.2	604

#	ARTICLE	IF	CITATIONS
902	Defining and delivering "sustainable" agriculture in the UK after Brexit: interdisciplinary lessons from experiences of agricultural reform. <i>International Journal of Agricultural Sustainability</i> , 2017, 15, 501-513.	1.3	10
903	The 'seafood gap' in the food-water nexus literature" issues surrounding freshwater use in seafood production chains. <i>Advances in Water Resources</i> , 2017, 110, 505-514.	1.7	55
904	Lentil enhances agroecosystem productivity with increased residual soil water and nitrogen. <i>Renewable Agriculture and Food Systems</i> , 2017, 32, 319-330.	0.8	15
905	Current and future groundwater withdrawals: Effects, management and energy policy options for a semi-arid Indian watershed. <i>Advances in Water Resources</i> , 2017, 110, 459-475.	1.7	30
906	Scaling up high throughput field phenotyping of corn and soy research plots using ground rovers. <i>Proceedings of SPIE</i> , 2017, , .	0.8	3
907	Rice yield development and the shrinking yield gaps in China, 1981"2008. <i>Regional Environmental Change</i> , 2017, 17, 2397-2408.	1.4	14
908	High-biomass C 4 grasses" Filling the yield gap. <i>Plant Science</i> , 2017, 261, 10-17.	1.7	31
909	Benefits of increasing plant diversity in sustainable agroecosystems. <i>Journal of Ecology</i> , 2017, 105, 871-879.	1.9	360
910	Curbing enthusiasm for Brazilian agribusiness: The use of actor-specific assessments to transform sustainable development on the ground. <i>Applied Geography</i> , 2017, 85, 101-112.	1.7	21
911	Directing solar photons to sustainably meet food, energy, and water needs. <i>Scientific Reports</i> , 2017, 7, 3133.	1.6	25
912	OsHAD1, a Haloacid Dehalogenase-Like APase, Enhances Phosphate Accumulation. <i>Plant Physiology</i> , 2017, 174, 2316-2332.	2.3	73
913	Increased pericarp cell length underlies a major quantitative trait locus for grain weight in hexaploid wheat. <i>New Phytologist</i> , 2017, 215, 1026-1038.	3.5	103
914	Modelling the smart farm. <i>Information Processing in Agriculture</i> , 2017, 4, 179-187.	2.9	122
915	Ambient nitrogen reduction cycle using a hybrid inorganic"biological system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6450-6455.	3.3	167
916	Nitrogen nutrition and aspects of root growth and function of two wheat cultivars under elevated [CO ₂]. <i>Environmental and Experimental Botany</i> , 2017, 140, 1-7.	2.0	15
917	Possible pathways and tensions in the food and water nexus. <i>Earth's Future</i> , 2017, 5, 449-462.	2.4	37
918	Future threats to biodiversity and pathways to their prevention. <i>Nature</i> , 2017, 546, 73-81.	13.7	736
919	The development and application of a sustainable diets framework for policy analysis: A case study of Nepal. <i>Food Policy</i> , 2017, 70, 40-49.	2.8	24

#	ARTICLE	IF	CITATIONS
920	Good for sewage treatment and good for agriculture: Algal based compost and biochar. <i>Journal of Environmental Management</i> , 2017, 200, 105-113.	3.8	50
921	Tomato ethylene sensitivity determines interaction with plant growth-promoting bacteria. <i>Annals of Botany</i> , 2017, 120, 101-122.	1.4	16
922	Perspectives for environmental conservation and ecosystem services on coupled rural-urban systems. <i>Perspectives in Ecology and Conservation</i> , 2017, 15, 74-81.	1.0	34
923	Understanding livestock production and sustainability of grassland ecosystems in the Asian Dryland Belt. <i>Ecological Processes</i> , 2017, 6, .	1.6	45
925	Conversion of mixtures of dairy manure and soybean curd residue by black soldier fly larvae (<i>Hermetia illucens</i> L.). <i>Journal of Cleaner Production</i> , 2017, 154, 366-373.	4.6	176
926	Genome-wide study of an elite rice pedigree reveals a complex history of genetic architecture for breeding improvement. <i>Scientific Reports</i> , 2017, 7, 45685.	1.6	13
927	Agri-food supply chain: evolution and performance with conflicting consumer and societal demands. <i>European Review of Agricultural Economics</i> , 2017, 44, 634-657.	1.5	66
928	Greenhouse Gas Mitigation under Agriculture and Livestock Landuse. , 2017, , 343-394.		3
929	Robust spatial frameworks for leveraging research on sustainable crop intensification. <i>Global Food Security</i> , 2017, 14, 18-22.	4.0	14
930	Exploration of the causality between area changes of green spaces and waterlogging frequency in Beijing. <i>Physics and Chemistry of the Earth</i> , 2017, 101, 172-177.	1.2	9
931	A decision support tool for designing TURF-reserves. <i>Bulletin of Marine Science</i> , 2017, 93, 155-172.	0.4	8
932	Estimating 20-year land-use change and derived CO_2 emissions associated with crops, pasture and forestry in Brazil and each of its 27 states. <i>Global Change Biology</i> , 2017, 23, 3716-3728.	4.2	46
933	Thiourea priming enhances salt tolerance through co-ordinated regulation of microRNAs and hormones in <i>Brassica juncea</i> . <i>Scientific Reports</i> , 2017, 7, 45490.	1.6	39
934	Yield, water and nitrogen use efficiencies of sprinkler irrigated wheat grown under different irrigation and nitrogen levels in an arid region. <i>Agricultural Water Management</i> , 2017, 187, 232-245.	2.4	64
935	Effectiveness of Integrated Best Management Practices on Mitigation of Atrazine and Metolachlor in an Agricultural Lake Watershed. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 447-453.	1.3	8
936	An Enhanced Effective Reconnaissance Drought Index for the Characterisation of Agricultural Drought. <i>Environmental Processes</i> , 2017, 4, 137-148.	1.7	43
938	Valorisation of Proteins from Rubber Tree. <i>Waste and Biomass Valorization</i> , 2017, 8, 1027-1041.	1.8	18
939	A plan for efficient use of nitrogen fertilizers. <i>Nature</i> , 2017, 543, 322-323.	13.7	73

#	ARTICLE	IF	CITATIONS
940	Genomic innovation for crop improvement. <i>Nature</i> , 2017, 543, 346-354.	13.7	301
941	Genome editors take on crops. <i>Science</i> , 2017, 355, 1122-1123.	6.0	59
942	Integrated Critical Zone Model (1D-ICZ). <i>Advances in Agronomy</i> , 2017, 142, 277-314.	2.4	15
943	Rational design of high-yield and superior-quality rice. <i>Nature Plants</i> , 2017, 3, 17031.	4.7	293
944	A natural tandem array alleviates epigenetic repression of IPA1 and leads to superior yielding rice. <i>Nature Communications</i> , 2017, 8, 14789.	5.8	149
945	Characterization of potassium agrominerals: Correlations between petrographic features, comminution and leaching of ultrapotassic syenites. <i>Minerals Engineering</i> , 2017, 102, 42-57.	1.8	40
946	Innovations continuously enhance crop breeding and demand new strategic planning. <i>Global Food Security</i> , 2017, 12, 15-21.	4.0	8
947	Crop yields under no-till farming in China: A meta-analysis. <i>European Journal of Agronomy</i> , 2017, 84, 67-75.	1.9	95
949	Comparative performance of spectral and thermographic properties of plants and physiological traits for phenotyping salinity tolerance of wheat cultivars under simulated field conditions. <i>Functional Plant Biology</i> , 2017, 44, 134.	1.1	23
950	Biological limits on nitrogen use for plant photosynthesis: a quantitative revision comparing cultivated and wild species. <i>New Phytologist</i> , 2017, 214, 120-131.	3.5	41
951	Influence of catchment land use and seasonality on dissolved organic matter composition and ecosystem metabolism in headwater streams of a Kenyan river. <i>Biogeochemistry</i> , 2017, 132, 1-22.	1.7	56
952	Reducing meat consumption in developed and transition countries to counter climate change and biodiversity loss: a review of influence factors. <i>Regional Environmental Change</i> , 2017, 17, 1261-1277.	1.4	271
953	Valorisation of post-sorption materials: Opportunities, strategies, and challenges. <i>Advances in Colloid and Interface Science</i> , 2017, 242, 35-58.	7.0	85
954	Field Scanalyzer: An automated robotic field phenotyping platform for detailed crop monitoring. <i>Functional Plant Biology</i> , 2017, 44, 143.	1.1	275
955	Water limits to closing yield gaps. <i>Advances in Water Resources</i> , 2017, 99, 67-75.	1.7	58
956	The advantages of functional phenotyping in pre-field screening for drought-tolerant crops. <i>Functional Plant Biology</i> , 2017, 44, 107.	1.1	89
957	Sustainability evaluation of recycling in agricultural systems by emergy accounting. <i>Resources, Conservation and Recycling</i> , 2017, 117, 114-124.	5.3	65
958	Using a One Health approach to assess the impact of parasitic disease in livestock: how does it add value?. <i>Parasitology</i> , 2017, 144, 15-25.	0.7	16

#	ARTICLE	IF	CITATIONS
959	Translating knowledge about abiotic stress tolerance to breeding programmes. <i>Plant Journal</i> , 2017, 90, 898-917.	2.8	154
960	Food professionals' opinions of the Food Studies curriculum in Australia. <i>British Food Journal</i> , 2017, 119, 2945-2958.	1.6	6
961	Hype or opportunity? Using microbial symbionts in novel strategies for insect pest control. <i>Journal of Insect Physiology</i> , 2017, 103, 10-17.	0.9	64
962	Reducing greenhouse gas emissions in agriculture without compromising food security?. <i>Environmental Research Letters</i> , 2017, 12, 105004.	2.2	172
963	Improving nitrogen use efficiency with minimal environmental risks using an active canopy sensor in a wheat-maize cropping system. <i>Field Crops Research</i> , 2017, 214, 365-372.	2.3	58
964	Degradation of microbial proteins – Molecular-scale understanding of the forms and dynamics of organic nitrogen in soils. <i>Chemical Data Collections</i> , 2017, 11-12, 108-118.	1.1	3
965	Prairie strips improve biodiversity and the delivery of multiple ecosystem services from corn-soybean croplands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11247-11252.	3.3	225
966	Economic and policy drivers of agricultural water desalination in California's central valley. <i>Agricultural Water Management</i> , 2017, 194, 192-203.	2.4	20
967	Introduction: The Natural History of Agricultural Landscapes. <i>Northeastern Naturalist</i> , 2017, 24, 1-4.	0.1	1
968	Nutrient Solubilizing Microbes (NSMs): Its Role in Sustainable Crop Production. , 2017, , 25-61.		21
969	Efficiency in sugar beet cultivation related to field history. <i>European Journal of Agronomy</i> , 2017, 91, 1-9.	1.9	25
970	From trade-offs to synergies in food security and biodiversity conservation. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 489-494.	1.9	25
971	Input-output energy analysis of rice production in different crop management practices in central China. <i>Energy</i> , 2017, 141, 1124-1132.	4.5	57
972	Modelling the drivers of natural fire activity: the bias created by cropland fires. <i>International Journal of Wildland Fire</i> , 2017, 26, 845.	1.0	6
973	Growth and yield response of lettuce to irrigation and growth media from composted sawdust and rice husk. <i>Journal of Plant Nutrition</i> , 2017, , 1-12.	0.9	3
974	Agricultural nutrient loadings to the freshwater environment: the role of climate change and socioeconomic change. <i>Environmental Research Letters</i> , 2017, 12, 104008.	2.2	26
975	GLOBAL POPULATION GROWTH, TECHNOLOGY, AND MALTHUSIAN CONSTRAINTS: A QUANTITATIVE GROWTH THEORETIC PERSPECTIVE. <i>International Economic Review</i> , 2017, 58, 973-1006.	0.6	26
976	Proteomic and metabolomic analysis of minimax and Williams 82 soybeans grown under two different conditions. <i>Journal of Food Biochemistry</i> , 2017, 41, e12404.	1.2	6

#	ARTICLE	IF	CITATIONS
977	Effects of precision planting patterns and irrigation on winter wheat yields and water productivity. <i>Journal of Agricultural Science</i> , 2017, 155, 1394-1406.	0.6	5
978	Insect-plant-pathogen interactions as shaped by future climate: effects on biology, distribution, and implications for agriculture. <i>Insect Science</i> , 2017, 24, 975-989.	1.5	59
979	Interactive effects of water and controlled release urea on nitrogen metabolism, accumulation, translocation, and yield in summer maize. <i>Die Naturwissenschaften</i> , 2017, 104, 72.	0.6	20
980	Effects of best management practices on dry matter production and fruit production efficiency of oil palm. <i>European Journal of Agronomy</i> , 2017, 90, 209-215.	1.9	12
981	Effects of Herbicides on Non-Target Terrestrial Plants. <i>ACS Symposium Series</i> , 2017, , 149-166.	0.5	5
982	Chokepoints in global food trade: Assessing the risk. <i>Research in Transportation Business and Management</i> , 2017, 25, 15-28.	1.6	27
983	Natural resource opportunities and challenges for rural development in marginal grabens – The state of the art with implications for the Rift Valley system in Ethiopia. <i>Journal of Arid Environments</i> , 2017, 147, 1-16.	1.2	25
984	Iran's Land Suitability for Agriculture. <i>Scientific Reports</i> , 2017, 7, 7670.	1.6	137
985	Improving the management of mineral fertilizers for nitrous oxide mitigation: The effect of nitrogen fertilizer type, urease and nitrification inhibitors in two different textured soils. <i>Geoderma</i> , 2017, 307, 181-188.	2.3	53
986	Annual Irrigation Dynamics in the U.S. Northern High Plains Derived from Landsat Satellite Data. <i>Geophysical Research Letters</i> , 2017, 44, 9350-9360.	1.5	101
987	Trade-offs across productivity, GHG intensity, and pollutant loads from second-generation sorghum bioenergy. <i>GCB Bioenergy</i> , 2017, 9, 1764-1779.	2.5	13
988	The rice production practices of high yield and high nitrogen use efficiency in Jiangsu, China. <i>Scientific Reports</i> , 2017, 7, 2101.	1.6	51
989	Cysteine proteases and wheat (<i>Triticum aestivum</i> L) under drought: A still greatly unexplored association. <i>Plant, Cell and Environment</i> , 2017, 40, 1679-1690.	2.8	34
990	Critical Zone services as environmental assessment criteria in intensively managed landscapes. <i>Earth's Future</i> , 2017, 5, 617-632.	2.4	34
991	Phenotyping of field-grown wheat in the UK highlights contribution of light response of photosynthesis and flag leaf longevity to grain yield. <i>Journal of Experimental Botany</i> , 2017, 68, 3473-3486.	2.4	153
992	High throughput phenotyping to accelerate crop breeding and monitoring of diseases in the field. <i>Current Opinion in Plant Biology</i> , 2017, 38, 184-192.	3.5	242
993	SRI: An agroecological strategy to meet multiple objectives with reduced reliance on inputs. <i>Agroecology and Sustainable Food Systems</i> , 2017, 41, 825-854.	1.0	15
994	Fertilization decreases compositional variation of paddy bacterial community across geographical gradient. <i>Soil Biology and Biochemistry</i> , 2017, 114, 181-188.	4.2	58

#	ARTICLE	IF	CITATIONS
995	Balancing growing global bioenergy resource demands - Brazil's biomass potential and the availability of resource for trade. <i>Biomass and Bioenergy</i> , 2017, 105, 83-95.	2.9	91
996	Biodiversity at risk under future cropland expansion and intensification. <i>Nature Ecology and Evolution</i> , 2017, 1, 1129-1135.	3.4	219
997	New innovations in agricultural biotech: Consumer acceptance of topical RNAi in rice production. <i>Food Control</i> , 2017, 81, 189-195.	2.8	28
998	Hydrologic response to future land use change in the Upper Mississippi River Basin by the end of 21st century. <i>Hydrological Processes</i> , 2017, 31, 3645-3661.	1.1	37
999	Internal spatial fix: China's geographical solution to food supply and its limits. <i>Geoforum</i> , 2017, 85, 140-152.	1.4	21
1000	Evaluation and application of the ORYZA rice model under different crop managements with high-yielding rice cultivars in central China. <i>Field Crops Research</i> , 2017, 212, 115-125.	2.3	42
1001	Coupling life-cycle assessment and the RothC model to estimate the carbon footprint of green manure-based wheat production in China. <i>Science of the Total Environment</i> , 2017, 607-608, 433-442.	3.9	35
1002	Harvesting more grain zinc of wheat for human health. <i>Scientific Reports</i> , 2017, 7, 7016.	1.6	78
1004	Towards CRISPR/Cas crops "bringing together genomics and genome editing. <i>New Phytologist</i> , 2017, 216, 682-698.	3.5	235
1005	Maladaptive outcomes of climate insurance in agriculture. <i>Global Environmental Change</i> , 2017, 46, 23-33.	3.6	86
1006	Recent changes in county-level corn yield variability in the United States from observations and crop models. <i>Science of the Total Environment</i> , 2017, 607-608, 683-690.	3.9	39
1007	Consumer-orientated development of hybrid beef burger and sausage analogues. <i>Food Science and Nutrition</i> , 2017, 5, 852-864.	1.5	66
1008	Perverse Market Outcomes from Biodiversity Conservation Interventions. <i>Conservation Letters</i> , 2017, 10, 506-516.	2.8	24
1009	Farm-scale greenhouse gas balances, hotspots and uncertainties in smallholder crop-livestock systems in Central Kenya. <i>Agriculture, Ecosystems and Environment</i> , 2017, 248, 58-70.	2.5	29
1010	Cropping system intensification: vegetable pea can replace fallow between rainfed monsoon rice and irrigated spring rice. <i>Journal of Agricultural Science</i> , 2017, 155, 1287-1298.	0.6	4
1011	Dynamic Model Improves Agronomic and Environmental Outcomes for Maize Nitrogen Management over Static Approach. <i>Journal of Environmental Quality</i> , 2017, 46, 311-319.	1.0	38
1012	Increased SBPase activity improves photosynthesis and grain yield in wheat grown in greenhouse conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160384.	1.8	193
1013	Pollination benefits are maximized at intermediate nutrient levels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170729.	1.2	27

#	ARTICLE	IF	CITATIONS
1014	Greenhouse gas emissions and irrigation water use in the production of pulse crops in the United States. <i>Cogent Food and Agriculture</i> , 2017, 3, 1334750.	0.6	4
1015	Genome Editing—Principles and Applications for Functional Genomics Research and Crop Improvement. <i>Critical Reviews in Plant Sciences</i> , 2017, 36, 291-309.	2.7	111
1016	New paradigms for Atlantic Forest agriculture and conservation. <i>Biodiversity</i> , 2017, 18, 201-205.	0.5	4
1017	Relative importance of the land-use composition and intensity for the bird community composition in anthropogenic landscapes. <i>Ecology and Evolution</i> , 2017, 7, 10513-10535.	0.8	18
1018	Normalization of data for delineating management zones. <i>Computers and Electronics in Agriculture</i> , 2017, 143, 238-248.	3.7	37
1019	Mapping QTLs conferring salt tolerance and micronutrient concentrations at seedling stage in wheat. <i>Scientific Reports</i> , 2017, 7, 15662.	1.6	66
1020	Contributions to a Sustainable Production of Food of Animal Origin. , 2017, , 197-227.		2
1021	Agricultural climate change mitigation: carbon calculators as a guide for decision making. <i>International Journal of Agricultural Sustainability</i> , 2017, 15, 645-661.	1.3	6
1022	Breaking new ground in mapping human settlements from space – The Global Urban Footprint. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 134, 30-42.	4.9	284
1023	Innovation and the growth of human population. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160415.	1.8	24
1024	Root extension and nitrate transporter up-regulation induced by nitrogen deficiency improves nitrogen status and plant growth at the seedling stage of winter wheat (<i>Triticum aestivum</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 141, 28-40.	2.0	61
1025	Sustainable Cattle Ranching in Practice: Moving from Theory to Planning in Colombia's Livestock Sector. <i>Environmental Management</i> , 2017, 60, 176-184.	1.2	39
1026	Strong increase of durum wheat iron and zinc content by field-inoculation with arbuscular mycorrhizal fungi at different soil nitrogen availabilities. <i>Plant and Soil</i> , 2017, 419, 153-167.	1.8	56
1027	Nitrous oxide emission after the addition of organic residues on soil surface. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 234-242.	2.5	25
1028	Temporal trends and spatial patterns of energy use efficiency and greenhouse gas emissions in crop production of Anhui Province, China. <i>Energy</i> , 2017, 133, 955-968.	4.5	27
1030	Introgressiomics: a new approach for using crop wild relatives in breeding for adaptation to climate change. <i>Euphytica</i> , 2017, 213, 1.	0.6	154
1031	Virus incidence in wheat increases under elevated CO ₂ : A 4-year study of yellow dwarf viruses from a free air carbon dioxide facility. <i>Virus Research</i> , 2017, 241, 137-144.	1.1	28
1032	Agriculture in 2050: Recalibrating Targets for Sustainable Intensification. <i>BioScience</i> , 2017, 67, 386-391.	2.2	662

#	ARTICLE	IF	CITATIONS
1033	The role of biochar and biochar-compost in improving soil quality and crop performance: A review. <i>Applied Soil Ecology</i> , 2017, 119, 156-170.	2.1	487
1034	Agricultural research spending must increase in light of future uncertainties. <i>Food Policy</i> , 2017, 70, 71-83.	2.8	26
1035	Differences in production, carbon stocks and biodiversity outcomes of land tenure regimes in the Argentine Dry Chaco. <i>Environmental Research Letters</i> , 2017, 12, 045003.	2.2	20
1037	Land-use futures in the shared socio-economic pathways. <i>Global Environmental Change</i> , 2017, 42, 331-345.	3.6	645
1038	An overview of extension use in irrigated agriculture and case studies in south-eastern Africa. <i>International Journal of Water Resources Development</i> , 2017, 33, 755-769.	1.2	40
1039	Proteomic and physiological approach reveals drought-induced changes in rapeseeds: Water-saver and water-spender strategy. <i>Journal of Proteomics</i> , 2017, 152, 188-205.	1.2	39
1040	Hot spots of wheat yield decline with rising temperatures. <i>Global Change Biology</i> , 2017, 23, 2464-2472.	4.2	80
1041	Targeted mutagenesis of a conserved anther-expressed P450 gene confers male sterility in monocots. <i>Plant Biotechnology Journal</i> , 2017, 15, 379-389.	4.1	45
1042	Can rice field management practices contribute to the conservation of species from natural wetlands? Lessons from Brazil. <i>Basic and Applied Ecology</i> , 2017, 18, 50-56.	1.2	24
1043	Identifying attributes of food system sustainability: emerging themes and consensus. <i>Agriculture and Human Values</i> , 2017, 34, 757-773.	1.7	82
1044	High-Throughput Phenotyping of Maize Leaf Physiological and Biochemical Traits Using Hyperspectral Reflectance. <i>Plant Physiology</i> , 2017, 173, 614-626.	2.3	215
1045	Consequential Life Cycle Assessment of Pasture-based Milk Production: A Case Study in the Waikato Region, New Zealand. <i>Journal of Industrial Ecology</i> , 2017, 21, 1139-1152.	2.8	10
1046	Homogenizing and diversifying effects of intensive agricultural land-use on plant species beta diversity in Central Europe – A call to adapt our conservation measures. <i>Science of the Total Environment</i> , 2017, 576, 225-233.	3.9	44
1047	Rooting for cassava: insights into photosynthesis and associated physiology as a route to improve yield potential. <i>New Phytologist</i> , 2017, 213, 50-65.	3.5	108
1048	Designing future barley ideotypes using a crop model ensemble. <i>European Journal of Agronomy</i> , 2017, 82, 144-162.	1.9	84
1049	The vacant planting: limited influence of habitat restoration on patch colonization patterns by arboreal marsupials in south-eastern Australia. <i>Animal Conservation</i> , 2017, 20, 294-304.	1.5	24
1050	Assessing uncertainties in land cover projections. <i>Global Change Biology</i> , 2017, 23, 767-781.	4.2	103
1051	Sustainable intensification of agriculture for human prosperity and global sustainability. <i>Ambio</i> , 2017, 46, 4-17.	2.8	653

#	ARTICLE	IF	CITATIONS
1052	Recent patterns of production for the main cereal grains: implications for food security in China. <i>Regional Environmental Change</i> , 2017, 17, 105-116.	1.4	14
1053	Can knowledge-based N management produce more staple grain with lower greenhouse gas emission and reactive nitrogen pollution? A meta-analysis. <i>Global Change Biology</i> , 2017, 23, 1917-1925.	4.2	320
1054	Human welfare and its connection to nature: What have we learned from crop pollination studies?. <i>Austral Ecology</i> , 2017, 42, 2-8.	0.7	6
1055	Yield gap analysis of rainfed wheat demonstrates local to global relevance. <i>Journal of Agricultural Science</i> , 2017, 155, 282-299.	0.6	30
1056	A cost-effective canopy temperature measurement system for precision agriculture: a case study on sugar beet. <i>Precision Agriculture</i> , 2017, 18, 95-110.	3.1	58
1057	To trade or not to trade: Link prediction in the virtual water network. <i>Advances in Water Resources</i> , 2017, 110, 528-537.	1.7	43
1058	Geochemical baseline establishment and ecological risk evaluation of heavy metals in greenhouse soils from Dongtai, China. <i>Ecological Indicators</i> , 2017, 72, 510-520.	2.6	212
1059	Life cycle environmental impacts of high and low intensification pasture-based milk production systems: A case study of the Waikato region, New Zealand. <i>Journal of Cleaner Production</i> , 2017, 140, 664-674.	4.6	26
1060	Opportunities for enhancing yield and soil carbon sequestration while reducing N ₂ O emissions in rainfed cropping systems. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 400-410.	1.9	16
1061	Linking country level food supply to global land and water use and biodiversity impacts: The case of Finland. <i>Science of the Total Environment</i> , 2017, 575, 33-40.	3.9	24
1062	Role of competition in managing weeds: An introduction to the special issue. <i>Crop Protection</i> , 2017, 95, 1-7.	1.0	79
1063	Tropical grasslands: A pivotal place for a more multi-functional agriculture. <i>Ambio</i> , 2017, 46, 48-56.	2.8	15
1064	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , 2017, 7, 63-68.	8.1	414
1065	Aquatic Ecosystem Impacts of Land Sharing Versus Sparing: Nutrient Loading to Southeast Asian Rivers. <i>Ecosystems</i> , 2017, 20, 393-405.	1.6	3
1066	Nutrient Pollution: A Wicked Challenge for Economic Instruments. <i>Water Economics and Policy</i> , 2017, 03, 1650033.	0.3	50
1067	Sustainable intensification – oxymoron or third-way? A systematic review. <i>Ecological Indicators</i> , 2017, 74, 73-97.	2.6	76
1068	Can yield gap analysis be used to inform R&D prioritisation?. <i>Global Food Security</i> , 2017, 12, 109-118.	4.0	39
1069	Introduction: Key Concepts, Debates and Approaches in Analysing the Sustainability of Agri-Food Systems. <i>Human-environment Interactions</i> , 2017, , 1-24.	1.2	2

#	ARTICLE	IF	CITATIONS
1070	Effects of Nutrient Antagonism and Synergism on Yield and Fertilizer Use Efficiency. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1895-1920.	0.6	277
1071	Pressures on soil functions from soil management in Germany. A foresight review. <i>Agronomy for Sustainable Development</i> , 2017, 37, 1.	2.2	37
1072	Nitrogen rate strategies for reducing yield-scaled nitrous oxide emissions in maize. <i>Environmental Research Letters</i> , 2017, 12, 124006.	2.2	16
1073	Contrasting beetle assemblage responses to cultivated farmlands and native woodlands in a dynamic agricultural landscape. <i>Ecosphere</i> , 2017, 8, e02042.	1.0	8
1074	Re-evaluating food systems and food security: A global perspective. <i>Journal of Sociology</i> , 2017, 53, 774-796.	0.9	15
1075	The scaling structure of the global road network. <i>Royal Society Open Science</i> , 2017, 4, 170590.	1.1	26
1076	Potential for Developing Low-Input Sustainable Agriculture in the Tropical Andes by Making Use of Native Microbial Resources. , 2017, , 29-54.		3
1077	An assessment of high carbon stock and high conservation value approaches to sustainable oil palm cultivation in Gabon. <i>Environmental Research Letters</i> , 2017, 12, 014005.	2.2	29
1078	Air pollution, food production and food security: A review from the perspective of food system. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2945-2962.	1.7	65
1079	Underutilized Plant Species and Agricultural Sustainability in Egypt. <i>Handbook of Environmental Chemistry</i> , 2017, , 189-212.	0.2	2
1080	Agricultural Intensification Can Preserve the Brazilian Cerrado: Applying Lessons From Mato Grosso and Goiás to Brazil's Last Agricultural Frontier. <i>Tropical Conservation Science</i> , 2017, 10, 194008291772066.	0.6	39
1081	Commercial Agriculture in Tropical Environments. <i>Tropical Conservation Science</i> , 2017, 10, 194008291772799.	0.6	3
1082	Adaptation of rice (<i>Oryza sativa</i> L.) genotypes in the rainfed lowlands of Lao PDR. <i>Plant Production Science</i> , 2017, 20, 477-484.	0.9	10
1083	High-resolution model for estimating the economic and policy implications of agricultural soil salinization in California. <i>Environmental Research Letters</i> , 2017, 12, 094010.	2.2	35
1084	Possibilities for near-term bioenergy production and GHG-mitigation through sustainable intensification of agriculture and forestry in Denmark. <i>Environmental Research Letters</i> , 2017, 12, 114032.	2.2	15
1086	Significant impacts of irrigation water sources and methods on modeling irrigation effects in the ACME and Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1665-1683.	1.3	70
1087	Assessing climate change mitigation proposals for Malaysia: Implications for emissions and abatement costs. <i>Journal of Cleaner Production</i> , 2017, 167, 163-173.	4.6	15
1088	Effects of fertilization on crop production and nutrient-supplying capacity under rice-oilseed rape rotation system. <i>Scientific Reports</i> , 2017, 7, 1270.	1.6	143

#	ARTICLE	IF	CITATIONS
1089	Foodservice Composting Crowds Out Consumer Food Waste Reduction Behavior in a Dining Experiment. <i>American Journal of Agricultural Economics</i> , 2017, 99, 1159-1171.	2.4	58
1090	Bringing it all together: linking measures to secure nations' food supply. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 98-117.	3.1	47
1091	Using QUEFTS model for estimating nutrient requirements of maize in the Northeast China. <i>Plant, Soil and Environment</i> , 2017, 63, 498-504.	1.0	13
1092	Detection of novel QTLs <i>qDTH4.5</i> and <i>qDTH6.3</i> , which confer late heading under short-day conditions, by SSR marker-based and QTL-seq analysis. <i>Breeding Science</i> , 2017, 67, 101-109.	0.9	11
1093	Remote Sensing for Irrigation of Horticultural Crops. <i>Horticulturae</i> , 2017, 3, 40.	1.2	64
1094	Farming Systems for Sustainable Intensification. , 2017, , 93-122.		3
1095	<i>Anastatica hierochuntica</i> , an <i>Arabidopsis</i> Desert Relative, Is Tolerant to Multiple Abiotic Stresses and Exhibits Species-Specific and Common Stress Tolerance Strategies with Its Halophytic Relative, <i>Eutrema</i> (<i>Theellungiella</i>) <i>salsugineum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1992.	1.7	24
1096	Automated Method to Determine Two Critical Growth Stages of Wheat: Heading and Flowering. <i>Frontiers in Plant Science</i> , 2017, 8, 252.	1.7	69
1097	Assessing Wheat Traits by Spectral Reflectance: Do We Really Need to Focus on Predicted Trait-Values or Directly Identify the Elite Genotypes Group?. <i>Frontiers in Plant Science</i> , 2017, 8, 280.	1.7	62
1098	Evaluation of Yield and Drought Using Active and Passive Spectral Sensing Systems at the Reproductive Stage in Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 379.	1.7	46
1099	Recent Genetic Gains in Nitrogen Use Efficiency in Oilseed Rape. <i>Frontiers in Plant Science</i> , 2017, 8, 963.	1.7	43
1100	Cultivar Differences in Root Nitrogen Uptake Ability of Maize Hybrids. <i>Frontiers in Plant Science</i> , 2017, 8, 1060.	1.7	21
1101	Manipulating Planting Density and Nitrogen Fertilizer Application to Improve Yield and Reduce Environmental Impact in Chinese Maize Production. <i>Frontiers in Plant Science</i> , 2017, 8, 1234.	1.7	45
1102	Development and Genetic Characterization of Advanced Backcross Materials and An Introgression Line Population of <i>Solanum incanum</i> in a <i>S. melongena</i> Background. <i>Frontiers in Plant Science</i> , 2017, 8, 1477.	1.7	57
1103	Application of Endophytic <i>Pseudomonas fluorescens</i> and a Bacterial Consortium to <i>Brassica napus</i> Can Increase Plant Height and Biomass under Greenhouse and Field Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 2193.	1.7	83
1104	Ecosystem Services from Edible Insects in Agricultural Systems: A Review. <i>Insects</i> , 2017, 8, 24.	1.0	38
1105	Safety and regulatory issues of Nanocapsules. , 2017, , 545-590.		4
1106	Editorial (Thematic Issue: Plant Immunity and Beyond: Signals from Proteins & Peptides). <i>Current Protein and Peptide Science</i> , 2017, 18, 292-293.	0.7	1

#	ARTICLE	IF	CITATIONS
1107	In-Season Nitrogen Management to Increase Grain Yields in Maize Production. <i>Agronomy Journal</i> , 2017, 109, 2063-2071.	0.9	4
1108	Minimal Pruning and Reduced Plant Protection Promote Predatory Mites in Grapevine. <i>Insects</i> , 2017, 8, 86.	1.0	16
1109	Effect of Climate and Agricultural Land Use Changes on UK Feed Barley Production and Food Security to the 2050s. <i>Land</i> , 2017, 6, 74.	1.2	27
1110	MODIS Time Series to Detect Anthropogenic Interventions and Degradation Processes in Tropical Pasture. <i>Remote Sensing</i> , 2017, 9, 73.	1.8	19
1111	Decomposition of the Urban Water Footprint of Food Consumption: A Case Study of Xiamen City. <i>Sustainability</i> , 2017, 9, 135.	1.6	23
1112	A Transition to Which Bioeconomy? An Exploration of Diverging Techno-Political Choices. <i>Sustainability</i> , 2017, 9, 669.	1.6	131
1113	5 Key Challenges and Solutions for Governing Complex Adaptive (Food) Systems. <i>Sustainability</i> , 2017, 9, 1594.	1.6	20
1114	Effects of a Tariff Reduction on Grain Self-Sufficiency: Evidence from Country-Level Panel Data. <i>Sustainability</i> , 2017, 9, 1838.	1.6	2
1115	Soy Protein. , 2017, , 23-45.		52
1116	Assessing and Exploiting Functional Diversity in Germplasm Pools to Enhance Abiotic Stress Adaptation and Yield in Cereals and Food Legumes. <i>Frontiers in Plant Science</i> , 2017, 8, 1461.	1.7	60
1117	Effect of Climate Change on Agricultural Crops. , 2017, , 23-46.		52
1118	A Review of Sustainability Enhancements in the Beef Value Chain: State-of-the-Art and Recommendations for Future Improvements. <i>Animals</i> , 2017, 7, 26.	1.0	11
1119	American Citizensâ€™ Views of an Ideal Pig Farm. <i>Animals</i> , 2017, 7, 64.	1.0	52
1120	Brazilian Citizensâ€™ Opinions and Attitudes about Farm Animal Production Systems. <i>Animals</i> , 2017, 7, 75.	1.0	39
1121	Effect of Global-GAP Policy on Climate Change Perceptions of Smallholder French Beans Farmers in Central and Eastern Regions, Kenya. <i>Climate</i> , 2017, 5, 27.	1.2	9
1122	Land-Use Redistribution Compensated for Ecosystem Service Losses Derived from Agriculture Expansion, with Mixed Effects on Biodiversity in a NW Argentina Watershed. <i>Forests</i> , 2017, 8, 303.	0.9	9
1123	Algal Proteins: Extraction, Application, and Challenges Concerning Production. <i>Foods</i> , 2017, 6, 33.	1.9	592
1124	Beyond sustainability criteria and principles in palm oil production: addressing consumer concerns through insetting. <i>Ecology and Society</i> , 2017, 22, .	1.0	20

#	ARTICLE	IF	CITATIONS
1125	Impact of Climate Change Adaptation Strategies on Winter Wheat and Cropping System Performance across Precipitation Gradients in the Inland Pacific Northwest, USA. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	13
1126	Integrating Historic Agronomic and Policy Lessons with New Technologies to Drive Farmer Decisions for Farm and Climate: The Case of Inland Pacific Northwestern U.S.. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	12
1127	Balanced Fertilization Decreases Environmental Filtering on Soil Bacterial Community Assemblage in North China. <i>Frontiers in Microbiology</i> , 2017, 8, 2376.	1.5	44
1128	Scientific Evidence of Rice By-Products for Cancer Prevention: Chemopreventive Properties of Waste Products from Rice Milling on Carcinogenesis<i>In Vitro</i> and<i>In Vivo</i>. <i>BioMed Research International</i> , 2017, 2017, 1-18.	0.9	47
1129	Soil conservation in the 21st century: why we need smart agricultural intensification. <i>Soil</i> , 2017, 3, 45-59.	2.2	70
1130	Trait stacking in modern agriculture: application of genome editing tools. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 151-160.	1.1	1
1131	Sustainable production of housefly (<i>Musca domestica</i>) larvae as a protein-rich feed ingredient by utilizing cattle manure. <i>PLoS ONE</i> , 2017, 12, e0171708.	1.1	90
1132	Dynamic changes of nutrient composition throughout the entire life cycle of black soldier fly. <i>PLoS ONE</i> , 2017, 12, e0182601.	1.1	164
1133	Supermarket purchase contributes to nutrition-related non-communicable diseases in urban Kenya. <i>PLoS ONE</i> , 2017, 12, e0185148.	1.1	55
1134	Potential to curb the environmental burdens of American beef consumption using a novel plant-based beef substitute. <i>PLoS ONE</i> , 2017, 12, e0189029.	1.1	68
1135	<i>>In-field high throughput phenotyping and phenotype data analysis for cotton plant growth using LiDAR</i>, , 2017, , .		1
1136	The costs of saving nature: Does it make â€œcentsâ€?. <i>PLoS Biology</i> , 2017, 15, e2003292.	2.6	2
1137	Environmental impacts of food consumption by dogs and cats. <i>PLoS ONE</i> , 2017, 12, e0181301.	1.1	82
1138	Genetic architecture and temporal patterns of biomass accumulation in spring barley revealed by image analysis. <i>BMC Plant Biology</i> , 2017, 17, 137.	1.6	45
1139	Landscape and scale-dependent spatial niches of bats foraging above intensively used arable fields. <i>Ecological Processes</i> , 2017, 6, .	1.6	31
1140	Efforts Toward Improving Maize Yields on Smallholder Farms in Uasin Gishu County, Kenya, through Site-specific, Soil-testing-based Fertiliser Recommendations: A Transdisciplinary Approach. <i>East African Agricultural and Forestry Journal</i> , 2017, 82, 201-213.	0.4	3
1141	El Nino-Southern Oscillation Influences on Food Security. <i>Journal of Sustainable Development</i> , 2017, 10, 268.	0.1	1
1142	Biodiversity conservation in a telecoupled world. <i>Ecology and Society</i> , 2017, 22, .	1.0	40

#	ARTICLE	IF	CITATIONS
1143	The Impact of Policy Instruments on Soil Multifunctionality in the European Union. Sustainability, 2017, 9, 407.	1.6	41
1144	Harnessing Genetic Diversity of Wild Gene Pools to Enhance Wheat Crop Production and Sustainability: Challenges and Opportunities. Diversity, 2017, 9, 55.	0.7	32
1145	Future supply and demand of net primary production in the Sahel. Earth System Dynamics, 2017, 8, 1191-1221.	2.7	3
1146	An Insight of Meat Industry in Pakistan with Special Reference to Halal Meat: A Comprehensive Review. Korean Journal for Food Science of Animal Resources, 2017, 37, 329-341.	1.5	38
1147	Past, Present and Future Molecular Approaches to Improve Yield in Wheat. , 2017, , .		1
1148	Fertilizer Management and Environmental Factors Drive N ₂ O and NO ₃ Losses in Corn: A Meta-Analysis. Soil Science Society of America Journal, 2017, 81, 1191-1202.	1.2	91
1149	Agroecology and Ecological Intensification. A Discussion from a Metabolic Point of View. Sustainability, 2017, 9, 86.	1.6	19
1150	Water Savings of Crop Redistribution in the United States. Water (Switzerland), 2017, 9, 83.	1.2	35
1151	A Workflow for Automated Satellite Image Processing: from Raw VHSR Data to Object-Based Spectral Information for Smallholder Agriculture. Remote Sensing, 2017, 9, 1048.	1.8	21
1152	Botanic Gardens and Solutions to Global Challenges. , 0, , 166-191.		0
1153	Quantifying Postharvest Loss and the Implication of Market-Based Decisions: A Case Study of Two Commercial Domestic Tomato Supply Chains in Queensland, Australia. Horticulturae, 2017, 3, 44.	1.2	27
1154	Evaluation of the Agronomic Impacts on Yield-Scaled N ₂ O Emission from Wheat and Maize Fields in China. Sustainability, 2017, 9, 1201.	1.6	19
1155	Low-Input and Intensified Crop Production Systems Effects on Soil Health and Environment. , 2017, , 277-303.		3
1157	Reconciling biodiversity conservation and agricultural expansion in the subarctic environment of Iceland. Ecology and Society, 2017, 22, .	1.0	7
1158	Evaluation of dietary fat sources on growth performance, excreta microbiology and noxious gas emissions in Ross broilers. African Journal of Agricultural Research Vol Pp, 2017, 12, 1980-1992.	0.2	0
1159	Agricultural Productivity and Forest Conservation: Evidence from the Brazilian Amazon. SSRN Electronic Journal, 0, , .	0.4	3
1160	Crop intensification, land use, and on-farm energy-use efficiency during the worldwide spread of the green revolution. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2335-2340.	3.3	183
1161	Integrated bio-economic models as tools to support land-use decision making: a review of potential and limitations. Journal of Bioeconomics, 2018, 20, 183-211.	1.5	23

#	ARTICLE	IF	CITATIONS
1162	Understanding the Impacts of Food Consumer Choice and Food Policy Outcomes. <i>Applied Economic Perspectives and Policy</i> , 2018, 40, 5-21.	3.1	67
1163	Understanding the Changes in Global Crop Yields Through Changes in Climate and Technology. <i>Earth's Future</i> , 2018, 6, 410-427.	2.4	71
1164	Multi-scale measurements show limited soil greenhouse gas emissions in Kenyan smallholder coffee-dairy systems. <i>Science of the Total Environment</i> , 2018, 626, 328-339.	3.9	22
1165	Integrating Algae with Bioenergy Carbon Capture and Storage (ABECCS) Increases Sustainability. <i>Earth's Future</i> , 2018, 6, 524-542.	2.4	62
1166	Photosystem II Subunit S overexpression increases the efficiency of water use in a field-grown crop. <i>Nature Communications</i> , 2018, 9, 868.	5.8	181
1167	Pursuing sustainable productivity with millions of smallholder farmers. <i>Nature</i> , 2018, 555, 363-366.	13.7	747
1168	Managing the global land resource. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172798.	1.2	25
1169	Key functional soil types explain data aggregation effects on simulated yield, soil carbon, drainage and nitrogen leaching at a regional scale. <i>Geoderma</i> , 2018, 318, 167-181.	2.3	17
1170	Atom Conversion Efficiency: A New Sustainability Metric Applied to Nitrogen and Phosphorus Use in Agriculture. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4453-4463.	3.2	34
1171	Production of cereals in northern marginal areas: An integrated assessment of climate change impacts at the farm level. <i>Agricultural Systems</i> , 2018, 162, 191-204.	3.2	20
1172	Effect of Phosphorus Additions and Arbuscular Mycorrhizal Fungal Inoculation on the Growth, Physiology, and Phosphorus Uptake of Wheat Under Two Water Regimes. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 862-874.	0.6	9
1173	Edible Oil Production From Microalgae: A Review. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700428.	1.0	41
1174	Sifting and winnowing: Analysis of farmer field data for soybean in the US North-Central region. <i>Field Crops Research</i> , 2018, 221, 130-141.	2.3	61
1175	Global cropping intensity gaps: Increasing food production without cropland expansion. <i>Land Use Policy</i> , 2018, 76, 515-525.	2.5	133
1176	Pesticide diversity in rice growing areas of Northern Vietnam. <i>Paddy and Water Environment</i> , 2018, 16, 339-352.	1.0	21
1177	Measuring the potential for sustainable intensification of aquaculture in Bangladesh using life cycle assessment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2958-2963.	3.3	90
1178	Adaptation of global land use and management intensity to changes in climate and atmospheric carbon dioxide. <i>Global Change Biology</i> , 2018, 24, 2791-2809.	4.2	50
1179	Impacts of Near-Term Climate Change on Irrigation Demands and Crop Yields in the Columbia River Basin. <i>Water Resources Research</i> , 2018, 54, 2152-2182.	1.7	29

#	ARTICLE	IF	CITATIONS
1180	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. <i>Annual Review of Plant Biology</i> , 2018, 69, 789-815.	8.6	559
1181	Biological protection against grape berry moths. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	53
1182	Hotspots for Nitrogen and Phosphorus Losses from Food Production in China: A County-Scale Analysis. <i>Environmental Science & Technology</i> , 2018, 52, 5782-5791.	4.6	129
1183	Increasing crop production in Russia and Ukraine—regional and global impacts from intensification and recultivation. <i>Environmental Research Letters</i> , 2018, 13, 025008.	2.2	31
1184	Pasture intensification is insufficient to relieve pressure on conservation priority areas in open agricultural markets. <i>Global Change Biology</i> , 2018, 24, 3199-3213.	4.2	22
1185	Do we have to choose between feeding the human population and conserving nature? Modelling the global dependence of people on ecosystem services. <i>Science of the Total Environment</i> , 2018, 634, 1463-1474.	3.9	48
1186	Woodlots, wetlands or wheat fields? Agri-environmental land allocation preferences of stakeholder organisations in England and Ontario. <i>Land Use Policy</i> , 2018, 75, 673-681.	2.5	6
1187	Metabolite profiles of striped marsh frog (<i>Limnodynastes peronii</i>) larvae exposed to the anti-androgenic fungicides vinclozolin and propiconazole are consistent with altered steroidogenesis and oxidative stress. <i>Aquatic Toxicology</i> , 2018, 199, 232-239.	1.9	24
1188	Development of tolerant rice varieties for stress-prone ecosystems in the coastal deltas of Indonesia. <i>Field Crops Research</i> , 2018, 223, 75-82.	2.3	28
1189	The Global Food—Energy—Water Nexus. <i>Reviews of Geophysics</i> , 2018, 56, 456-531.	9.0	446
1190	High-fidelity detection of crop biomass quantitative trait loci from low-cost imaging in the field. <i>Plant Direct</i> , 2018, 2, e00041.	0.8	11
1191	Effect of biochar derived from barley straw on soil physicochemical properties, crop growth, and nitrous oxide emission in an upland field in South Korea. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25813-25821.	2.7	32
1192	Topographic restrictions on land-use practices: Consequences of different pixel sizes and data sources for natural forest management policies in the tropics. <i>Forest Ecology and Management</i> , 2018, 422, 108-113.	1.4	16
1193	Response of carbon footprint of spring maize production to cultivation patterns in the Loess Plateau, China. <i>Journal of Cleaner Production</i> , 2018, 187, 525-536.	4.6	29
1194	Policy efficiency in the field of food sustainability. The adjusted food agriculture and nutrition index. <i>Journal of Environmental Management</i> , 2018, 218, 220-233.	3.8	81
1195	Impacts of plastic film mulching on crop yields, soil water, nitrate, and organic carbon in Northwestern China: A meta-analysis. <i>Agricultural Water Management</i> , 2018, 202, 166-173.	2.4	153
1196	Global-scale patterns and determinants of cropping frequency in irrigation dam command areas. <i>Global Environmental Change</i> , 2018, 50, 110-122.	3.6	18
1197	Insect pollination as an agronomic input: Strategies for oilseed rape production. <i>Journal of Applied Ecology</i> , 2018, 55, 2834-2842.	1.9	36

#	ARTICLE	IF	CITATIONS
1198	Reviewing research priorities in weed ecology, evolution and management: a horizon scan. <i>Weed Research</i> , 2018, 58, 250-258.	0.8	78
1199	A review of analytical procedures for the simultaneous determination of medically important veterinary antibiotics in environmental water: Sample preparation, liquid chromatography, and mass spectrometry. <i>Journal of Environmental Management</i> , 2018, 217, 629-645.	3.8	82
1200	Measuring sustainable intensification: Combining composite indicators and efficiency analysis to account for positive externalities in cereal production. <i>Land Use Policy</i> , 2018, 75, 314-326.	2.5	19
1201	Issues for cropping and agricultural science in the next 20 years. <i>Field Crops Research</i> , 2018, 222, 121-142.	2.3	130
1202	Direct and indirect loss of natural habitat due to built-up area expansion: A model-based analysis for the city of Wuhan, China. <i>Land Use Policy</i> , 2018, 74, 231-239.	2.5	106
1203	The plant growth promoting bacterium <i>Azospirillum brasilense</i> is vertically transmitted in <i>Phaseolus vulgaris</i> (common bean). <i>Symbiosis</i> , 2018, 76, 97-108.	1.2	21
1204	Drivers of agricultural land-use change in the Argentine Pampas and Chaco regions. <i>Applied Geography</i> , 2018, 91, 111-122.	1.7	117
1205	Teachers' perspectives of a new food literacy curriculum in Australia. <i>Health Education</i> , 2018, 118, 48-61.	0.4	12
1206	Molecular Insights into the Involvement of a Never Ripe Receptor in the Interaction Between Two Beneficial Soil Bacteria and Tomato Plants Under Well-Watered and Drought Conditions. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 633-650.	1.4	23
1208	Bioeconomy Opportunities in the Danube Region. <i>World Sustainability Series</i> , 2018, , 99-116.	0.3	4
1209	GPhenoVision: A Ground Mobile System with Multi-modal Imaging for Field-Based High Throughput Phenotyping of Cotton. <i>Scientific Reports</i> , 2018, 8, 1213.	1.6	50
1210	Carbon footprint assessment for irrigated and rainfed maize (<i>Zea mays</i> L.) production on the Loess Plateau of China. <i>Biosystems Engineering</i> , 2018, 167, 75-86.	1.9	44
1211	Changing man-land interrelations in China's farming area under urbanization and its implications for food security. <i>Journal of Environmental Management</i> , 2018, 209, 440-451.	3.8	155
1212	Weed Communities in Semiarid Rainfed Croplands of Central Argentina: Comparison between Corn (<i>Zea mays</i>) and Soybean (<i>Glycine max</i>) Crops. <i>Weed Science</i> , 2018, 66, 368-378.	0.8	7
1213	Quantifying landscape-level land-use intensity patterns through radar-based remote sensing. <i>Journal of Applied Ecology</i> , 2018, 55, 1276-1287.	1.9	26
1214	Feed conversion efficiency in aquaculture: do we measure it correctly?. <i>Environmental Research Letters</i> , 2018, 13, 024017.	2.2	103
1215	Smallholders at a Crossroad: Intensify or Fall behind? Exploring Alternative Livelihood Strategies in a Globalized World. <i>Business Strategy and the Environment</i> , 2018, 27, 215-229.	8.5	24
1216	Atmospheric nitrogen deposition in terrestrial ecosystems: Its impact on plant communities and consequences across trophic levels. <i>Functional Ecology</i> , 2018, 32, 1757-1769.	1.7	116

#	ARTICLE	IF	CITATIONS
1217	Global environmental costs of China's thirst for milk. <i>Global Change Biology</i> , 2018, 24, 2198-2211.	4.2	56
1219	Conceptualising fields of action for sustainable intensification – A systematic literature review and application to regional case studies. <i>Agriculture, Ecosystems and Environment</i> , 2018, 257, 68-80.	2.5	83
1220	Enhanced nitrogen and phosphorus flows in a mixed land use basin: Drivers and consequences. <i>Journal of Cleaner Production</i> , 2018, 181, 416-425.	4.6	17
1221	Human Perturbation of the Global Phosphorus Cycle: Changes and Consequences. <i>Environmental Science & Technology</i> , 2018, 52, 2438-2450.	4.6	177
1222	Sugar release and growth of biofuel crops are improved by downregulation of pectin biosynthesis. <i>Nature Biotechnology</i> , 2018, 36, 249-257.	9.4	136
1223	Climatic constraints for the maize-soybean system in the humid subtropical region of Argentina. <i>Theoretical and Applied Climatology</i> , 2018, 134, 753-767.	1.3	3
1224	Human Activity and Habitat Loss: Destruction, Fragmentation, and Degradation. , 2018, , 451-482.		39
1225	Global Economic Growth and Agricultural Land Conversion under Uncertain Productivity Improvements in Agriculture. <i>American Journal of Agricultural Economics</i> , 2018, 100, 545-569.	2.4	33
1226	Opportunities for sustainable intensification in European agriculture. <i>Global Environmental Change</i> , 2018, 48, 43-55.	3.6	90
1227	A New Barley Stripe Mosaic Virus Allows Large Protein Overexpression for Rapid Function Analysis. <i>Plant Physiology</i> , 2018, 176, 1919-1931.	2.3	39
1228	Land Use and Land Cover Transition in Brazil and Their Effects on Greenhouse Gas Emissions. , 2018, , 309-321.		13
1229	Economic issues to consider for gene drives. <i>Journal of Responsible Innovation</i> , 2018, 5, S180-S202.	2.3	22
1230	Ecological and economic benefits of integrating sheep into viticulture production. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	33
1231	Sustainable management of tropical small island ecosystems for the optimization of soil natural capital and ecosystem services: a case of a Caribbean soil ecosystem – Aripo savannas Trinidad. <i>Journal of Soils and Sediments</i> , 2018, 18, 1654-1667.	1.5	18
1232	Green niche actors navigating an opaque opportunity context: Prospects for a sustainable transformation of Ethiopian agriculture. <i>Land Use Policy</i> , 2018, 71, 409-421.	2.5	28
1233	Domesticated animals as hosts of henipaviruses and filoviruses: A systematic review. <i>Veterinary Journal</i> , 2018, 233, 25-34.	0.6	32
1234	Sustainable intensification of aquaculture value chains between Asia and Europe: A framework for understanding impacts and challenges. <i>Aquaculture</i> , 2018, 493, 338-354.	1.7	80
1235	Exploring trade-offs between development and conservation outcomes in Northern Cambodia. <i>Land Use Policy</i> , 2018, 71, 431-444.	2.5	34

#	ARTICLE	IF	CITATIONS
1236	Use of agricultural land by breeding waders in low-intensity farming landscapes. <i>Animal Conservation</i> , 2018, 21, 291-301.	1.5	4
1237	Responses of candidate green super rice and super hybrid rice varieties to simplified and reduced input practice. <i>Field Crops Research</i> , 2018, 218, 78-87.	2.3	8
1238	Dynamic Effects of Initial pH of Substrate on Biological Growth and Metamorphosis of Black Soldier Fly (Diptera: Stratiomyidae). <i>Environmental Entomology</i> , 2018, 47, 159-165.	0.7	85
1239	Food security and the environment: Interdisciplinary research to increase productivity while exercising environmental conservation. <i>Global Food Security</i> , 2018, 16, 127-132.	4.0	23
1240	Partial Least Squares Regression for Determining Factors Controlling Winter Wheat Yield. <i>Agronomy Journal</i> , 2018, 110, 281-292.	0.9	10
1241	Winter Wheat Yield Gaps and Patterns in China. <i>Agronomy Journal</i> , 2018, 110, 319-330.	0.9	34
1242	Open geospatial infrastructure for data management and analytics in interdisciplinary research. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 130-141.	3.7	32
1243	Coupling movement and landscape ecology for animal conservation in production landscapes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172272.	1.2	82
1244	Quantifying the Limitation to World Cereal Production Due To Soil Phosphorus Status. <i>Global Biogeochemical Cycles</i> , 2018, 32, 143-157.	1.9	36
1245	Towards sustainable water-food nexus: An optimization approach. <i>Journal of Cleaner Production</i> , 2018, 178, 408-418.	4.6	57
1246	Global Human Appropriation of Net Primary Production and Associated Resource Decoupling: 2010-2050. <i>Environmental Science & Technology</i> , 2018, 52, 1208-1215.	4.6	25
1247	Genomics-assisted germplasm improvement. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 82-84.	4.1	1
1248	Effectiveness criteria for customised agricultural life cycle assessment tools. <i>Journal of Cleaner Production</i> , 2018, 179, 246-254.	4.6	21
1249	Detection and attribution of nitrogen runoff trend in China's croplands. <i>Environmental Pollution</i> , 2018, 234, 270-278.	3.7	47
1251	Assessments of synergistic outcomes from sustainable intensification of agriculture need to include smallholder livelihoods with food production and ecosystem services. <i>Current Opinion in Environmental Sustainability</i> , 2018, 32, 53-59.	3.1	50
1252	Mitigating Methane: Emerging Technologies To Combat Climate Change's Second Leading Contributor. <i>Environmental Science & Technology</i> , 2018, 52, 6084-6097.	4.6	35
1253	Genome-wide association analyses of plant growth traits during the stem elongation phase in wheat. <i>Plant Biotechnology Journal</i> , 2018, 16, 2042-2052.	4.1	21
1254	A population of wheat multiple synthetic derivatives: an effective platform to explore, harness and utilize genetic diversity of <i>Aegilops tauschii</i> for wheat improvement. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1615-1626.	1.8	41

#	ARTICLE	IF	CITATIONS
1255	Using stable isotopes to estimate reliance on agricultural food subsidies and migration timing for a migratory bird. <i>Ecosphere</i> , 2018, 9, e02083.	1.0	10
1256	Teaching Complex Ecological Concepts Through a Demonstration Garden: Biodiversity, Invasive Species, and Conservation in Practice. <i>American Biology Teacher</i> , 2018, 80, 346-352.	0.1	4
1257	Incorporation of emergy into multiple-criteria decision analysis for sustainable and resilient structure of dairy farms in Slovenia. <i>Agricultural Systems</i> , 2018, 164, 71-83.	3.2	17
1258	Modelling the effects of land use and climate change on the water resources in the eastern Baltic Sea region using the SWAT model. <i>Catena</i> , 2018, 167, 78-89.	2.2	60
1259	Insights into the Future of Young Professionals in the Irrigation and Drainage Sector: Outcomes from the Discussion on the ICID YP e-Forum. <i>Irrigation and Drainage</i> , 2018, 67, 136-142.	0.8	1
1260	Breeding for increased drought tolerance in wheat: a review. <i>Crop and Pasture Science</i> , 2018, 69, 223.	0.7	37
1261	Impacts of historic climate variability and land use change on winter wheat climatic productivity in the North China Plain during 1980â€“2010. <i>Land Use Policy</i> , 2018, 76, 1-9.	2.5	23
1262	Core microbiomes for sustainable agroecosystems. <i>Nature Plants</i> , 2018, 4, 247-257.	4.7	639
1263	Nitrogen use efficiency and crop production: Patterns of regional variation in the United States, 1987â€“2012. <i>Science of the Total Environment</i> , 2018, 635, 498-511.	3.9	77
1264	Rice yield improvements through plant breeding are offset by inherent yield declines over time. <i>Field Crops Research</i> , 2018, 222, 59-65.	2.3	14
1265	BESS-Rice: A remote sensing derived and biophysical process-based rice productivity simulation model. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 253-269.	1.9	41
1266	Impacts on terrestrial biodiversity of moving from a 2Â°C to a 1.5Â°C target. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160456.	1.6	24
1267	Optimized nitrogen application methods to improve nitrogen use efficiency and nodule nitrogen fixation in a maize-soybean relay intercropping system. <i>Journal of Integrative Agriculture</i> , 2018, 17, 664-676.	1.7	66
1268	Beyond the agroecological and sustainable agricultural intensification debate: Is blended sustainability the way forward?. <i>International Journal of Agricultural Sustainability</i> , 2018, 16, 127-149.	1.3	70
1269	Modern Trends in Hyperspectral Image Analysis: A Review. <i>IEEE Access</i> , 2018, 6, 14118-14129.	2.6	476
1270	Similarities and differences between the responses to osmotic and ionic stress in quinoa from a water use perspective. <i>Agricultural Water Management</i> , 2018, 203, 344-352.	2.4	22
1271	Integrated agronomic practices management improve yield and nitrogen balance in double cropping of winter wheat-summer maize. <i>Field Crops Research</i> , 2018, 221, 196-206.	2.3	58
1272	The opportunity cost of animal based diets exceeds all food losses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3804-3809.	3.3	144

#	ARTICLE	IF	CITATIONS
1273	Agronomic and environmental causes of yield and nitrogen use efficiency gaps in Chinese rice farming systems. <i>European Journal of Agronomy</i> , 2018, 93, 40-49.	1.9	47
1274	Balancing tradeoffs: Reconciling multiple environmental goals when ecosystem services vary regionally. <i>Environmental Research Letters</i> , 2018, 13, 064008.	2.2	16
1275	Noise shapes the distribution pattern of an acoustic predator. <i>Environmental Epigenetics</i> , 2018, 64, 575-583.	0.9	14
1276	Improved regional-scale Brazilian cropping systemsâ€™ mapping based on a semi-automatic object-based clustering approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 68, 127-138.	1.4	9
1277	Experimental logging alters the abundance and community composition of ovipositing mosquitoes in the southern Appalachians. <i>Ecological Entomology</i> , 2018, 43, 463-472.	1.1	4
1278	How does biochar influence soil N cycle? A meta-analysis. <i>Plant and Soil</i> , 2018, 426, 211-225.	1.8	210
1279	The physiological and genetic basis of combined drought and heat tolerance in wheat. <i>Journal of Experimental Botany</i> , 2018, 69, 3195-3210.	2.4	119
1280	Pathways for agriculture and forestry to contribute to terrestrial biodiversity conservation: A global scenario-study. <i>Biological Conservation</i> , 2018, 221, 137-150.	1.9	72
1281	Integrating the economic and environmental performance of agricultural systems: A demonstration using Farm Business Survey data and Farmscoper. <i>Science of the Total Environment</i> , 2018, 628-629, 938-946.	3.9	17
1282	Research capacity for local innovation: the case of conservation agriculture in Ethiopia, Malawi and Mozambique. <i>Journal of Agricultural Education and Extension</i> , 2018, 24, 249-262.	1.1	16
1283	How does inter-annual variability of attainable yield affect the magnitude of yield gaps for wheat and maize? An analysis at ten sites. <i>Agricultural Systems</i> , 2018, 159, 199-208.	3.2	36
1284	Ecosystem services and land sparing potential of urban and peri-urban agriculture: A review. <i>Renewable Agriculture and Food Systems</i> , 2018, 33, 481-494.	0.8	40
1285	Groundwater depletion and climate change: future prospects of crop production in the Central High Plains Aquifer. <i>Climatic Change</i> , 2018, 146, 187-200.	1.7	60
1286	Evaluation of potential crop productivity based on remote sensing and agro-ecological zones around the world. <i>Geocarto International</i> , 2018, 33, 713-722.	1.7	1
1287	Organic farming in the past and today: sociometabolic perspective on a Central European case study. <i>Regional Environmental Change</i> , 2018, 18, 951-963.	1.4	14
1288	Urea deep placement for minimizing NH ₃ loss in an intensive rice cropping system. <i>Field Crops Research</i> , 2018, 218, 254-266.	2.3	119
1289	Consumers' climate-impact estimations of different food products. <i>Journal of Cleaner Production</i> , 2018, 172, 1646-1653.	4.6	58
1290	PERFORMANCE AND SURVIVAL OF PERENNIAL RICE DERIVATIVES (<i>ORYZA SATIVA</i> L.</i> <i>ORYZA</i>) Tj ETQq1 1 0.784314 ggBT /Over 0,4	0.4	

#	ARTICLE	IF	CITATIONS
1291	Converting Forests to Farms: The Economic Benefits of Clearing Forests in Agricultural Settlements in the Amazon. <i>Environmental and Resource Economics</i> , 2018, 71, 427-455.	1.5	34
1292	Comparing voluntary sustainability initiatives and product carbon footprinting in the food sector, with a particular focus on environmental impacts and developing countries. <i>Development Policy Review</i> , 2018, 36, 503-523.	1.0	8
1293	Traditional "maavee"™ rice production in Sri Lanka: environmental, economic and social pressures revealed through stakeholder interviews. <i>Paddy and Water Environment</i> , 2018, 16, 225-241.	1.0	12
1294	Major challenges of integrating agriculture into climate change mitigation policy frameworks. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018, 23, 451-468.	1.0	98
1295	In Silico Identification of Novel microRNAs and Targets Using EST Analysis in <i>Allium cepa</i> L.. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 771-780.	2.2	9
1296	More food or better distribution? Reviewing food policy options in developing countries. <i>Food Reviews International</i> , 2018, 34, 566-580.	4.3	8
1297	Nutrition sensitive value chains: Theory, progress, and open questions. <i>Global Food Security</i> , 2018, 16, 22-28.	4.0	63
1298	Factors influencing ocelot occupancy in Brazilian Atlantic Forest reserves. <i>Biotropica</i> , 2018, 50, 125-134.	0.8	35
1299	Detecting irrigation extent, frequency, and timing in a heterogeneous arid agricultural region using MODIS time series, Landsat imagery, and ancillary data. <i>Remote Sensing of Environment</i> , 2018, 204, 197-211.	4.6	75
1300	Can our global food system meet food demand within planetary boundaries?. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 244-256.	2.5	166
1301	Decarbonizing the boardroom? Aligning electric utility executive compensation with climate change incentives. <i>Energy Research and Social Science</i> , 2018, 37, 153-162.	3.0	10
1302	The new Green Revolution: Sustainable intensification of agriculture by intercropping. <i>Science of the Total Environment</i> , 2018, 615, 767-772.	3.9	310
1303	Modeling soil acidification in typical Chinese cropping systems. <i>Science of the Total Environment</i> , 2018, 613-614, 1339-1348.	3.9	86
1304	Effects of a "one film for 2 years"™ system on the grain yield, water use efficiency and cost-benefit balance in dryland spring maize (<i>Zea mays</i> L.) on the Loess Plateau, China. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 939-952.	1.3	5
1305	Harnessing genetic resources and progress in plant genomics for fonio (<i>Digitaria</i> spp.) improvement. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 373-386.	0.8	17
1306	The effect of fragment area on site-level biodiversity. <i>Ecography</i> , 2018, 41, 1220-1231.	2.1	25
1307	The potential impact of Brexit on the energy, water and food nexus in the UK: A fuzzy cognitive mapping approach. <i>Applied Energy</i> , 2018, 210, 487-498.	5.1	52
1308	The Expansion of Modern Agriculture and Global Biodiversity Decline: An Integrated Assessment. <i>Ecological Economics</i> , 2018, 144, 260-277.	2.9	124

#	ARTICLE	IF	CITATIONS
1309	Considering land-sea interactions and trade-offs for food and biodiversity. <i>Global Change Biology</i> , 2018, 24, 580-596.	4.2	39
1310	Cultivar mixtures: a meta-analysis of the effect of intraspecific diversity on crop yield. <i>Ecological Applications</i> , 2018, 28, 62-77.	1.8	201
1311	How do climatic and management factors affect agricultural ecosystem services? A case study in the agro-pastoral transitional zone of northern China. <i>Science of the Total Environment</i> , 2018, 613-614, 314-323.	3.9	41
1312	Study context shapes recommendations of land-sparing and sharing; a quantitative review. <i>Global Food Security</i> , 2018, 16, 29-35.	4.0	37
1313	Screening of tropically derived, multi-trait plant growth-promoting rhizobacteria and evaluation of corn and soybean colonization ability. <i>Microbiological Research</i> , 2018, 206, 33-42.	2.5	92
1314	Driving forces and impacts of food system nitrogen flows in China, 1990 to 2012. <i>Science of the Total Environment</i> , 2018, 610-611, 430-441.	3.9	42
1315	What has caused the use of fertilizers to skyrocket in China?. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 241-255.	1.1	64
1316	Plasticulture changes soil invertebrate assemblages of strawberry fields and decreases diversity and soil microbial activity. <i>Applied Soil Ecology</i> , 2018, 124, 379-393.	2.1	21
1317	Opportunities to advance sustainable design of nano-enabled agriculture identified through a literature review. <i>Environmental Science: Nano</i> , 2018, 5, 11-26.	2.2	57
1318	Why Do US Corn Yields Increase? The Contributions of Genetics, Agronomy, and Policy Instruments. <i>Innovation, Technology and Knowledge Management</i> , 2018, , 119-130.	0.4	4
1319	A Bayesian spatio-temporal framework to identify outbreaks and examine environmental and social risk factors for infectious diseases monitored by routine surveillance. <i>Spatial and Spatio-temporal Epidemiology</i> , 2018, 25, 39-48.	0.9	8
1320	The impact of cerium oxide nanoparticles on the physiology of soybean (<i>Glycine max</i> (L.) Merr.) under different soil moisture conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 930-939.	2.7	80
1321	Agronomic benefits of biochar as a soil amendment after its use as waste water filtration medium. <i>Environmental Pollution</i> , 2018, 233, 561-568.	3.7	48
1322	Global arable land transfers embodied in Mainland China's foreign trade. <i>Land Use Policy</i> , 2018, 70, 521-534.	2.5	54
1323	Agricultural "greening" and cropland diversification trends: Potential contribution of agroenergy crops in Capitanata (South Italy). <i>Land Use Policy</i> , 2018, 70, 591-600.	2.5	12
1324	Strategies for Enhanced Crop Resistance to Insect Pests. <i>Annual Review of Plant Biology</i> , 2018, 69, 637-660.	8.6	134
1325	Sustainable intensification amongst Ghana's pineapple farmers: the complexity of an innovation determines the effectiveness of its training. <i>Environment and Development Economics</i> , 2018, 23, 98-119.	1.3	8
1326	Large-scale biofuels production: A possible threat to soil conservation and environmental services. <i>Applied Soil Ecology</i> , 2018, 123, 729-736.	2.1	28

#	ARTICLE	IF	CITATIONS
1327	Risk and returns of sustainable crop intensification: The case of smallholder rice and potato farmers in Uganda. <i>Development Policy Review</i> , 2018, 36, O605.	1.0	6
1328	Global agriculture as an energy transfer system and the energy yield of world agriculture 1961â€“2013. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 108-121.	1.3	5
1329	Modelling forage yield and water productivity of continuous crop sequences in the Argentinian Pampas. <i>European Journal of Agronomy</i> , 2018, 92, 84-96.	1.9	21
1330	Influence of Feed From Genetically Modified Plants on the Composition and Quality of Foods of Animal Origin. , 2018, , 109-141.		1
1331	Proteomic analysis reveals that tomato interaction with plant growth promoting bacteria is highly determined by ethylene perception. <i>Journal of Plant Physiology</i> , 2018, 220, 43-59.	1.6	36
1332	Plastic mulch: Tradeoffs between productivity and greenhouse gas emissions. <i>Journal of Cleaner Production</i> , 2018, 172, 1311-1318.	4.6	72
1333	Alternative route for the recovery of nitrogen as ammonium phosphate crystals from high strength waste streams. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 578-584.	1.6	3
1334	Trade-offs between environment and livelihoods: Bridging the global land use and food security discussions. <i>Global Food Security</i> , 2018, 16, 9-16.	4.0	81
1335	Is Agricultural Intensification a Growing Health Concern? Perceptions from Waste Management Stakeholders in Vietnam. <i>Sustainability</i> , 2018, 10, 4395.	1.6	5
1336	Large Ensemble Analytic Framework for Consequenceâ€Driven Discovery of Climate Change Scenarios. <i>Earth's Future</i> , 2018, 6, 488-504.	2.4	54
1337	Potential area and limitations for the expansion of rainfed wheat in the Cerrado biome of Central Brazil. <i>Pesquisa Agropecuaria Brasileira</i> , 2018, 53, 779-790.	0.9	19
1338	A Quantitative Study on the Cycle Length of Refracted Rays Affected By Ocean Eddies. <i>Journal of Physics: Conference Series</i> , 2018, 1064, 012031.	0.3	0
1339	Evaluation of Nutrient Expert system in improving nutrient use efficiency and environmental benefits for winter wheat in the Hebei Plain. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 185, 012011.	0.2	1
1341	Draft Genome Sequence of <i>Burkholderia reimsis</i> BE51, a Plant-Associated Bacterium Isolated from Agricultural Rhizosphere. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	8
1342	Making Virtue Out of Necessity: Managing the Citrus Waste Supply Chain for Bioeconomy Applications. <i>Sustainability</i> , 2018, 10, 4821.	1.6	38
1343	Land-Cover Pattern and Change. , 2018, , 55-100.		0
1344	Food Security as a Water Grand Challenge. <i>Journal of Contemporary Water Research and Education</i> , 2018, 165, 59-66.	0.7	2
1345	Using Particle Swarm Optimization Method to Optimize the Carbon Sequestration Potential of Agricultural Afforestation in Beijing, China. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1347	Synthesis of agricultural land system change in China over the past 40 years. <i>Journal of Land Use Science</i> , 2018, 13, 473-479.	1.0	17
1348	May innovation on plant varieties share agricultural land with nature, or spare land for it. <i>International Journal of Agricultural Resources, Governance and Ecology</i> , 2018, 14, 260.	0.1	0
1349	Precision Arduino Sensor to Depolarize Climate Conversation. , 2018, , .		0
1350	Sustainable Intensification in Dryland Cropping Systemsâ€™Perspectives for Adaptions across the Western Siberian Grain Belt. <i>Agriculture (Switzerland)</i> , 2018, 8, 63.	1.4	4
1351	The Effect of Ideology on Attitudes toward GM Food Safety among Chinese Internet Users. <i>Sustainability</i> , 2018, 10, 4326.	1.6	11
1352	Self-organizing maps in the study of genetic diversity among irrigated rice genotypes. <i>Acta Scientiarum - Agronomy</i> , 2018, 41, 39803.	0.6	10
1353	Technology Assisted Knowledge Agriculture for Sustainable Development Goals. <i>Advances in Crop Science and Technology</i> , 2018, 06, .	0.4	5
1354	Reducing nitrogen fertilization of intensive kiwifruit orchards decreases nitrate accumulation in soil without compromising crop production. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1421-1431.	1.7	20
1355	Blue, green and grey water embodied in food supply chain in China. <i>Energy Procedia</i> , 2018, 152, 287-292.	1.8	0
1356	Development of an Autonomous Ground Robot for Field High Throughput Phenotyping. <i>IFAC-PapersOnLine</i> , 2018, 51, 70-74.	0.5	12
1357	What is Sustainable Agriculture? Critical Analysis of the International Political Discourse. <i>Sustainability</i> , 2018, 10, 4707.	1.6	29
1358	Optimal SVC placement for Maximizing Photovoltaic Hosting Capacity in Distribution Network. <i>IFAC-PapersOnLine</i> , 2018, 51, 356-361.	0.5	12
1359	OBSOLETE: Eco-modernism. , 2018, , .		0
1361	Applying the latest advances in genomics and phenomics for trait discovery in polyploid wheat. <i>Plant Journal</i> , 2019, 97, 56-72.	2.8	83
1362	Peculiarly pleasant weather for US maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11935-11940.	3.3	83
1363	Food Security for an Aging and Heavier Population. <i>Sustainability</i> , 2018, 10, 3683.	1.6	16
1364	Achieving High Crop Yields with Low Nitrogen Emissions in Global Agricultural Input Intensification. <i>Environmental Science & Technology</i> , 2018, 52, 13782-13791.	4.6	19
1365	Reducing Food Losses and Waste in the Food Supply Chain. <i>Sustainable Agriculture Reviews</i> , 2018, , 19-51.	0.6	0

#	ARTICLE	IF	CITATIONS
1366	Productivism, Agroecology, and the Challenge of Feeding the World. <i>Gastronomica</i> , 2018, 18, 41-53.	0.1	7
1367	Measurement and Calibration of Plant-Height from Fixed-Wing UAV Images. <i>Sensors</i> , 2018, 18, 4092.	2.1	58
1368	Dramatic cropland expansion in Myanmar following political reforms threatens biodiversity. <i>Scientific Reports</i> , 2018, 8, 16558.	1.6	19
1369	Sustainable Agriculture Reviews 32. <i>Sustainable Agriculture Reviews</i> , 2018, , .	0.6	0
1370	Intensification for redesigned and sustainable agricultural systems. <i>Science</i> , 2018, 362, .	6.0	280
1371	Genome-Wide Association Studies Reveal Genomic Regions Associated With the Response of Wheat (<i>Triticum aestivum</i> L.) to Mycorrhizae Under Drought Stress Conditions. <i>Frontiers in Plant Science</i> , 2018, 9, 1728.	1.7	48
1372	CRISPR versus GMOs: Public acceptance and valuation. <i>Global Food Security</i> , 2018, 19, 71-80.	4.0	128
1374	Nanomaterials: New Agrotechnology Tools to Improve Soil Quality?. , 2018, , 127-140.		2
1375	Water, Energy, and Carbon Footprints of Bioethanol from the U.S. and Brazil. <i>Environmental Science & Technology</i> , 2018, 52, 14508-14518.	4.6	63
1376	Health-motivated taxes on red and processed meat: A modelling study on optimal tax levels and associated health impacts. <i>PLoS ONE</i> , 2018, 13, e0204139.	1.1	94
1377	Soil Chemistry and the One Health Initiative: Introduction to the Special Section. <i>Journal of Environmental Quality</i> , 2018, 47, 1305-1309.	1.0	5
1378	Comparing RGB-D Sensors for Close Range Outdoor Agricultural Phenotyping. <i>Sensors</i> , 2018, 18, 4413.	2.1	71
1379	Advances in Computational Intelligence. <i>Lecture Notes in Computer Science</i> , 2018, , .	1.0	0
1381	Preparing the next generation of sustainability scientists. <i>Ecology and Society</i> , 2018, 23, .	1.0	16
1382	An Elevation-Based Stratification Model for Simulating Land Use Change. <i>Remote Sensing</i> , 2018, 10, 1730.	1.8	15
1383	The impact of agricultural chemical inputs on environment: global evidence from informetrics analysis and visualization. <i>International Journal of Low-Carbon Technologies</i> , 0, , .	1.2	54
1384	Finding Optimal Farming Practices to Increase Crop Yield Through Global-Best Harmony Search and Predictive Models, a Data-Driven Approach. <i>Lecture Notes in Computer Science</i> , 2018, , 15-29.	1.0	0
1385	Is Sustainable Intensification Possible? Evidence from Ethiopia. <i>Sustainability</i> , 2018, 10, 4174.	1.6	10

#	ARTICLE	IF	CITATIONS
1387	Performing food and nutritional security in Europe: claims, promises and limitations. <i>Food Security</i> , 2018, 10, 1311-1324.	2.4	4
1388	Development of the "Third-Generation" Hybrid Rice in China. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 393-396.	3.0	33
1389	Ecosystem functions in mixed cropland-grassland systems influenced by soil legacies of past crop cultivation decisions. <i>Ecosphere</i> , 2018, 9, e02521.	1.0	8
1390	Flower strip networks offer promising long term effects on pollinator species richness in intensively cultivated agricultural areas. <i>BMC Ecology</i> , 2018, 18, 55.	3.0	57
1391	Soil Plant Indices Help Explain Legume Response to Crop Rotation in a Semiarid Environment. <i>Frontiers in Plant Science</i> , 2018, 9, 1488.	1.7	20
1392	Comparison of the Abundance and Community Structure of N-Cycling Bacteria in Paddy Rhizosphere Soil under Different Rice Cultivation Patterns. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3772.	1.8	24
1393	Multidimensional Framework for Achieving Sustainable and Resilient Food Systems in Nigeria. , 2018, , 1-23.		0
1394	Implementation of UAV-Based Lidar for High Throughput Phenotyping. , 2018, , .		6
1395	Applications and potential of genome editing in crop improvement. <i>Genome Biology</i> , 2018, 19, 210.	3.8	286
1396	Closing water productivity gaps to achieve food and water security for a global maize supply. <i>Scientific Reports</i> , 2018, 8, 14762.	1.6	13
1397	A global strategy to mitigate the environmental impact of China's ruminant consumption boom. <i>Nature Communications</i> , 2018, 9, 4133.	5.8	64
1398	Role of Abscisic Acid in Thermal Acclimation of Plants. <i>Journal of Plant Biology</i> , 2018, 61, 255-264.	0.9	36
1399	Multiparametric Monitoring in Equatorial Tomato Greenhouses (III): Environmental Measurement Dynamics. <i>Sensors</i> , 2018, 18, 2557.	2.1	8
1400	What Have We Learned from the Land Sparing-sharing Model?. <i>Sustainability</i> , 2018, 10, 1760.	1.6	122
1401	Effectiveness of agricultural water management technologies on rainfed cereals crop yield and runoff in semi-arid catchment: a meta-analysis. <i>International Journal of Agricultural Sustainability</i> , 2018, 16, 418-441.	1.3	16
1402	Global projections of future cropland expansion to 2050 and direct impacts on biodiversity and carbon storage. <i>Global Change Biology</i> , 2018, 24, 5895-5908.	4.2	126
1403	A Long-Term, Consistent Land Cover History of the Southeastern United States. <i>Photogrammetric Engineering and Remote Sensing</i> , 2018, 84, 559-568.	0.3	7
1404	Changes of multiple cropping in Huang-Huai-Hai agricultural region, China. <i>Journal of Chinese Geography</i> , 2018, 28, 1685-1699.	1.5	8

#	ARTICLE	IF	CITATIONS
1405	African crop production trends are insufficient to guarantee food security in the sub-Saharan region by 2050 owing to persistent poverty. <i>Food Security</i> , 2018, 10, 1203-1219.	2.4	23
1406	Dynamic model-based recommendations increase the precision and sustainability of N fertilization in midwestern US maize production. <i>Computers and Electronics in Agriculture</i> , 2018, 153, 256-265.	3.7	24
1407	Ecological Intensification in Asian Rice Production Systems. <i>Sustainable Agriculture Reviews</i> , 2018, , 1-23.	0.6	2
1408	Genetic Gains for Grain Yield in CIMMYT's Semi-Arid Wheat Yield Trials Grown in Suboptimal Environments. <i>Crop Science</i> , 2018, 58, 1890-1898.	0.8	69
1409	Assessing Various Types of Fungal Strains to Convert Soybean Processing Industry Wastewater into Protein-Rich Animal Feed. <i>Journal of Microbial & Biochemical Technology</i> , 2018, 10, .	0.2	1
1410	Transcriptome profiling analysis characterized the gene expression patterns responded to combined drought and heat stresses in soybean. <i>Computational Biology and Chemistry</i> , 2018, 77, 413-429.	1.1	46
1411	Root-zone fertilization improves crop yields and minimizes nitrogen loss in summer maize in China. <i>Scientific Reports</i> , 2018, 8, 15139.	1.6	31
1412	Agronomic Advancement in Tillage, Crop Rotation, Soil Health, and Genetic Gain in Durum Wheat Cultivation: A 17-Year Canadian Story. <i>Agronomy</i> , 2018, 8, 193.	1.3	8
1413	Straw retention and plastic mulching enhance water use via synergistic regulation of water competition and compensation in wheat-maize intercropping systems. <i>Field Crops Research</i> , 2018, 229, 78-94.	2.3	38
1414	Expected increase in staple crop imports in water-scarce countries in 2050. <i>Water Research X</i> , 2018, 1, 100001.	2.8	14
1415	Impacts of Dryland Farm Management Systems on Weeds and Ground Beetles (Carabidae) in the Northern Great Plains. <i>Sustainability</i> , 2018, 10, 2146.	1.6	21
1416	Intensification in agriculture-forest frontiers: Land use responses to development and conservation policies in Brazil. <i>Global Environmental Change</i> , 2018, 53, 233-243.	3.6	128
1417	The devil is in the detail!. , 2018, , 427-449.		3
1418	Wheat-Maize Intercropping With Reduced Tillage and Straw Retention: A Step Towards Enhancing Economic and Environmental Benefits in Arid Areas. <i>Frontiers in Plant Science</i> , 2018, 9, 1328.	1.7	22
1419	Paraburkholderia phytofirmans PsJN-Plants Interaction: From Perception to the Induced Mechanisms. <i>Frontiers in Microbiology</i> , 2018, 9, 2093.	1.5	69
1420	An attainable global vision for conservation and human well-being. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 563-570.	1.9	71
1421	The Diet, Health, and Environment Trilemma. <i>Annual Review of Environment and Resources</i> , 2018, 43, 109-134.	5.6	73
1422	China's Environment on a Metacoupled Planet. <i>Annual Review of Environment and Resources</i> , 2018, 43, 1-34.	5.6	60

#	ARTICLE	IF	CITATIONS
1423	Higher Crop Yield Levels in the North Savo Region—Means and Challenges Indicated by Farmers and Their Close Stakeholders. <i>Agriculture (Switzerland)</i> , 2018, 8, 93.	1.4	6
1424	Organic Amendment Under Increasing Agricultural Intensification: Effects on Soil Bacterial Communities and Plant Productivity. <i>Frontiers in Microbiology</i> , 2018, 9, 2612.	1.5	11
1425	Enhanced Efficiency Fertilizer Impacts on Yield-Scaled Nitrous Oxide Emissions in Maize. <i>Soil Science Society of America Journal</i> , 2018, 82, 1469-1481.	1.2	19
1426	A Review of the Available Land Cover and Cropland Maps for South Asia. <i>Agriculture (Switzerland)</i> , 2018, 8, 111.	1.4	10
1427	India's national food security programme: a strategic insight. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	15
1428	The effect of diet changes and food loss reduction in reducing the water footprint of an average American. <i>Water International</i> , 2018, 43, 860-870.	0.4	31
1429	Genetic insights into underground responses to <i>Fusarium graminearum</i> infection in wheat. <i>Scientific Reports</i> , 2018, 8, 13153.	1.6	18
1430	Closing the yield gap while ensuring water sustainability. <i>Environmental Research Letters</i> , 2018, 13, 104002.	2.2	127
1431	Insect pollination is at least as important for marketable crop yield as plant quality in a seed crop. <i>Ecology Letters</i> , 2018, 21, 1704-1713.	3.0	69
1432	The impacts of land use intensification on the assembly of drosophilidae (Diptera). <i>Global Ecology and Conservation</i> , 2018, 16, e00432.	1.0	7
1433	Nexus approaches to global sustainable development. <i>Nature Sustainability</i> , 2018, 1, 466-476.	11.5	468
1434	Polymer-Coated Urea Application Could Produce More Grain Yield in Super-Rice. <i>Agronomy Journal</i> , 2018, 110, 246-259.	0.9	10
1435	Cereal yield gaps across Europe. <i>European Journal of Agronomy</i> , 2018, 101, 109-120.	1.9	135
1436	Crop Protection Discovery: Is Being the First Best?. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10337-10346.	2.4	29
1437	Harvesting Fertilized Rye Cover Crop: Simulated Revenue, Net Energy, and Drainage Nitrogen Loss. <i>Agricultural and Environmental Letters</i> , 2018, 3, 170041.	0.8	12
1438	Assessing the relative sustainability of smallholder farming systems in Ethiopian highlands. <i>Agricultural Systems</i> , 2018, 167, 83-91.	3.2	25
1439	The environmental costs and benefits of high-yield farming. <i>Nature Sustainability</i> , 2018, 1, 477-485.	11.5	193
1440	Large-scale bioenergy production: how to resolve sustainability trade-offs?. <i>Environmental Research Letters</i> , 2018, 13, 024011.	2.2	96

#	ARTICLE	IF	CITATIONS
1441	Land use patterns and influences of protected areas on mangroves of the eastern tropical Pacific. <i>Biological Conservation</i> , 2018, 227, 82-91.	1.9	22
1442	A global meta-analysis of yield stability in organic and conservation agriculture. <i>Nature Communications</i> , 2018, 9, 3632.	5.8	265
1443	Hoppiness Is Happiness? Under-fertilized Hop Treatments and Consumers'™ Willingness to Pay for Beer. <i>Journal of Wine Economics</i> , 2018, 13, 160-181.	0.4	10
1444	Global economic'biophysical assessment of midterm scenarios for agricultural markets'biofuel policies, dietary patterns, cropland expansion, and productivity growth. <i>Environmental Research Letters</i> , 2018, 13, 025003.	2.2	18
1445	DNA methylation footprints during soybean domestication and improvement. <i>Genome Biology</i> , 2018, 19, 128.	3.8	61
1446	Crop Classification in a Heterogeneous Arable Landscape Using Uncalibrated UAV Data. <i>Remote Sensing</i> , 2018, 10, 1282.	1.8	27
1447	Landscape-scale effects of land use intensity on birds and butterflies. <i>Agriculture, Ecosystems and Environment</i> , 2018, 267, 119-128.	2.5	32
1448	Profiling of the Differential Abundance of Drought and Salt Stress-Responsive MicroRNAs Across Grass Crop and Genetic Model Plant Species. <i>Agronomy</i> , 2018, 8, 118.	1.3	17
1449	Using Support Vector Machines classification to differentiate spectral signatures of potato plants infected with Potato Virus Y. <i>Computers and Electronics in Agriculture</i> , 2018, 153, 318-324.	3.7	61
1450	Rapid composting techniques in Indian context and utilization of black soldier fly for enhanced decomposition of biodegradable wastes - A comprehensive review. <i>Journal of Environmental Management</i> , 2018, 227, 189-199.	3.8	58
1451	A landscape approach for cost'effective large'scale forest restoration. <i>Journal of Applied Ecology</i> , 2018, 55, 2767-2778.	1.9	82
1452	Integrated Feature Selection of ARIMA with Computational Intelligence Approaches for Food Crop Price Prediction. <i>Complexity</i> , 2018, 2018, 1-17.	0.9	13
1453	Exploring the biogeophysical limits of global food production under different climate change scenarios. <i>Earth System Dynamics</i> , 2018, 9, 393-412.	2.7	23
1454	A review of greenhouse gas emissions from the agriculture sector in Africa. <i>Agricultural Systems</i> , 2018, 166, 124-134.	3.2	75
1455	Development of potential yield loss indicators to assess the effect of seaweed farming on fish landings. <i>Algal Research</i> , 2018, 35, 194-205.	2.4	12
1456	Climate variability impacts on rice production in the Philippines. <i>PLoS ONE</i> , 2018, 13, e0201426.	1.1	61
1457	Addressing the Conceptual Controversy of Sustainable Intensification of Agriculture: A Combined Perspective from Environmental Philosophy and Agri-Environmental Sciences. <i>Philosophies</i> , 2018, 3, 37.	0.4	2
1458	The biophysical and socio-economic dimension of yield gaps in the southern Amazon ' A bio-economic modelling approach. <i>Agricultural Systems</i> , 2018, 165, 1-13.	3.2	16

#	ARTICLE	IF	CITATIONS
1459	Conservation Biological Control of Insect Pests. Sustainable Agriculture Reviews, 2018, , 103-124.	0.6	8
1460	Genome-wide association of yield traits in a nested association mapping population of barley reveals new gene diversity for future breeding. Journal of Experimental Botany, 2018, 69, 3811-3822.	2.4	66
1461	Crop rotational diversity increases disease suppressive capacity of soil microbiomes. Ecosphere, 2018, 9, e02235.	1.0	134
1462	L-band vegetation optical depth seasonal metrics for crop yield assessment. Remote Sensing of Environment, 2018, 212, 249-259.	4.6	69
1463	Underutilised and Neglected Crops: Next Generation Sequencing Approaches for Crop Improvement and Better Food Security. , 2018, , 287-380.		3
1464	Underutilized Vegetables: A Tool to Address Nutritional Issues, Poverty Reduction and Food Security. , 2018, , 1-23.		8
1465	A neglected predictor of environmental damage: The ecological paw print and carbon emissions of food consumption by companion dogs and cats in China. Journal of Cleaner Production, 2018, 194, 1-11.	4.6	19
1466	Adoption of new technologies by smallholder farmers: the contributions of extension, research institutes, cooperatives, and access to cash for improving tef production in Ethiopia. Agriculture and Human Values, 2018, 35, 685-699.	1.7	42
1467	Forest cover is more important than farmland heterogeneity and livestock intensification for the retention of dung beetle phylogenetic diversity. Ecological Indicators, 2018, 93, 524-532.	2.6	24
1468	Climate-smart crops with enhanced photosynthesis. Journal of Experimental Botany, 2018, 69, 3801-3809.	2.4	50
1469	Water management and corporate social performance in the food and beverage industry. Journal of Cleaner Production, 2018, 195, 963-977.	4.6	37
1470	Sustainability assessment of date and pistachio agricultural systems using energy, emergy and economic approaches. Journal of Cleaner Production, 2018, 193, 642-651.	4.6	38
1471	Land-use trade-offs between tree biodiversity and crop production in the Atlantic Forest. Conservation Biology, 2018, 32, 1074-1084.	2.4	8
1472	A global approach to estimate irrigated areas " a comparison between different data and statistics. Hydrology and Earth System Sciences, 2018, 22, 1119-1133.	1.9	117
1473	Intensification of rice-based farming systems in Central Luzon, Philippines: Constraints at field, farm and regional levels. Agricultural Systems, 2018, 165, 55-70.	3.2	19
1474	Global trends analysis of the main vegetation types throughout the past four decades. Applied Geography, 2018, 97, 184-195.	1.7	25
1475	PannEx: The Pannonian Basin Experiment. Climate Services, 2018, 11, 78-85.	1.0	24
1476	Allocation and Valuation of Smallholder Maize Residues in Western Kenya. Ecological Economics, 2018, 152, 172-182.	2.9	12

#	ARTICLE	IF	CITATIONS
1477	Marine Natural Products for Drug Discovery: First Discovery of Kealiinines Aâ€C and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7310-7318.	2.4	28
1478	Enhancing Crop Productivity in Saline Environment Using Nanobiotechnology. , 2018, , 289-305.		2
1479	The spatial patterns in long-term temporal trends of three major cropsâ€™ yields in Japan. <i>Plant Production Science</i> , 2018, 21, 177-185.	0.9	14
1481	A bibliometric analysis of climate change adaptation based on massive research literature data. <i>Journal of Cleaner Production</i> , 2018, 199, 1072-1082.	4.6	120
1482	Environmental impacts of food consumption by companion dogs and cats in Japan. <i>Ecological Indicators</i> , 2018, 93, 1043-1049.	2.6	13
1483	Livelihood sustainability assessment of coffee and cocoa producers in the Amazon region of Ecuador using household types. <i>Journal of Rural Studies</i> , 2018, 62, 1-9.	2.1	33
1484	Using boundary line analysis to assess the on-farm crop yield gap of wheat. <i>Field Crops Research</i> , 2018, 225, 64-73.	2.3	26
1485	Cotton Late Embryogenesis Abundant (<i>LEA2</i>) Genes Promote Root Growth and Confer Drought Stress Tolerance in Transgenic <i>Arabidopsis thaliana</i>. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2781-2803.	0.8	51
1486	Salinity Responses and Tolerance in Plants, Volume 2. , 2018, , .		5
1487	Crop heterogeneity and non-crop vegetation can enhance avian diversity in a tropical agricultural landscape in southern China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 254-263.	2.5	25
1488	Concurrent modifications in the three homeologs of Ms45 gene with CRISPR-Cas9 lead to rapid generation of male sterile bread wheat (<i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , 2018, 97, 371-383.	2.0	89
1489	Establishing High-Yielding Maize System for Sustainable Intensification in China. <i>Advances in Agronomy</i> , 2018, 148, 85-109.	2.4	37
1490	Potentials to mitigate greenhouse gas emissions from Swiss agriculture. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 84-102.	2.5	20
1491	â€œWe like insects hereâ€ entomophagy and society in a Zambian village. <i>Agriculture and Human Values</i> , 2018, 35, 867-883.	1.7	20
1492	Root architectural traits and yield: exploring the relationship in barley breeding trials. <i>Euphytica</i> , 2018, 214, 1.	0.6	46
1493	In-field High Throughput Phenotyping and Cotton Plant Growth Analysis Using LiDAR. <i>Frontiers in Plant Science</i> , 2018, 9, 16.	1.7	108
1494	A Dehydration-Induced Eukaryotic Translation Initiation Factor iso4G Identified in a Slow Wilting Soybean Cultivar Enhances Abiotic Stress Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 262.	1.7	16
1495	Plant Life in Extreme Environments: How Do You Improve Drought Tolerance?. <i>Frontiers in Plant Science</i> , 2018, 9, 543.	1.7	60

#	ARTICLE	IF	CITATIONS
1496	Two Inexpensive and Non-destructive Techniques to Correct for Smaller-Than-Gasket Leaf Area in Gas Exchange Measurements. <i>Frontiers in Plant Science</i> , 2018, 9, 548.	1.7	9
1497	Photosynthetic Characteristics and Chloroplast Ultrastructure of Summer Maize Response to Different Nitrogen Supplies. <i>Frontiers in Plant Science</i> , 2018, 9, 576.	1.7	51
1498	Developmental Pathways Are Blueprints for Designing Successful Crops. <i>Frontiers in Plant Science</i> , 2018, 9, 745.	1.7	17
1499	Deep Learning: Individual Maize Segmentation From Terrestrial Lidar Data Using Faster R-CNN and Regional Growth Algorithms. <i>Frontiers in Plant Science</i> , 2018, 9, 866.	1.7	104
1500	Linking Nitrogen Losses With Crop Productivity in Maize Agroecosystems. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	18
1501	Nitrogen Use Efficiency in Rice. , 0, , .		24
1502	Rhizosphere biodiversity as a premise for application in bio-economy. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 524-534.	2.5	32
1503	Benefits and limitations to straw- and plastic-film mulch on maize yield and water use efficiency: A meta-analysis across hydrothermal gradients. <i>European Journal of Agronomy</i> , 2018, 99, 138-147.	1.9	113
1504	Bacteria and archaea as the sources of traits for enhanced plant phenotypes. <i>Biotechnology Advances</i> , 2018, 36, 1900-1916.	6.0	12
1505	Mineral Fertilizer and Manure Effects on Leached Inorganic Nitrogen, Nitrate Isotopic Composition, Phosphorus, and Dissolved Organic Carbon under Furrow Irrigation. <i>Journal of Environmental Quality</i> , 2018, 47, 287-296.	1.0	13
1506	Carbon Storage and Land-Use Strategies in Agricultural Landscapes across Three Continents. <i>Current Biology</i> , 2018, 28, 2500-2505.e4.	1.8	27
1507	Can N management affect the magnitude of yield loss due to heat waves in wheat and maize?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 276-283.	3.5	30
1508	Palladium-Catalyzed Cross-Coupling Reactions: A Powerful Tool for the Synthesis of Agrochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8914-8934.	2.4	266
1509	Sustaining our Natural Resources in the Face of Increasing Societal Demands on Agriculture: Directions for Future Research. <i>Applied Economic Perspectives and Policy</i> , 2018, 40, 38-59.	3.1	27
1510	Forecasting future global food demand: A systematic review and meta-analysis of model complexity. <i>Environment International</i> , 2018, 120, 93-103.	4.8	18
1511	The Contribution of Improvements in Irrigation Efficiency to Environmental Flows. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	21
1512	Continuously Monocropped Jerusalem Artichoke Changed Soil Bacterial Community Composition and Ammonia-Oxidizing and Denitrifying Bacteria Abundances. <i>Frontiers in Microbiology</i> , 2018, 9, 705.	1.5	44
1513	A "Fork-to-Farm" Multi-Scale Approach to Promote Sustainable Food Systems for Nutrition and Health: A Perspective for the Mediterranean Region. <i>Frontiers in Nutrition</i> , 2018, 5, 30.	1.6	20

#	ARTICLE	IF	CITATIONS
1514	Fertilizer and sustainable intensification in Sub-Saharan Africa. <i>Global Food Security</i> , 2018, 18, 20-26.	4.0	57
1515	Advances in Integrating Genomics and Bioinformatics in the Plant Breeding Pipeline. <i>Agriculture (Switzerland)</i> , 2018, 8, 75.	1.4	55
1516	A Review of Methods for Assessing the Environmental Health Impacts of an Agricultural System. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1315.	1.2	8
1517	Keeping global warming within 1.5°C reduces future risk of yield loss in the United States: A probabilistic modeling approach. <i>Science of the Total Environment</i> , 2018, 644, 52-59.	3.9	28
1518	Evaluation of the energy budget and energy use efficiency in wheat production under various crop management practices in China. <i>Energy</i> , 2018, 160, 184-191.	4.5	40
1519	Crop yield and soil properties of dryland winter wheat-spring maize rotation in response to 10-year fertilization and conservation tillage practices on the Loess Plateau. <i>Field Crops Research</i> , 2018, 225, 170-179.	2.3	57
1520	Precision agriculture based on crop physiological principles improves whole-farm yield and profit: A case study. <i>European Journal of Agronomy</i> , 2018, 99, 62-71.	1.9	44
1521	Spatial variation in determinants of agricultural land abandonment in Europe. <i>Science of the Total Environment</i> , 2018, 644, 95-111.	3.9	180
1522	Key Hormonal Components Regulate Agronomically Important Traits in Barley. <i>International Journal of Molecular Sciences</i> , 2018, 19, 795.	1.8	21
1523	Identification of Leaf Promoters for Use in Transgenic Wheat. <i>Plants</i> , 2018, 7, 27.	1.6	14
1524	Combined Landsat and L-Band SAR Data Improves Land Cover Classification and Change Detection in Dynamic Tropical Landscapes. <i>Remote Sensing</i> , 2018, 10, 306.	1.8	90
1525	Factors Affecting Nitrogen Use Efficiency and Grain Yield of Summer Maize on Smallholder Farms in the North China Plain. <i>Sustainability</i> , 2018, 10, 363.	1.6	45
1526	Land Use Change under Biofuel Policies and a Tax on Meat and Dairy Products: Considering Complexity in Agricultural Production Chains Matters. <i>Sustainability</i> , 2018, 10, 419.	1.6	5
1527	Spatio-Temporal Variation of Land-Use Intensity from a Multi-Perspective—Taking the Middle and Lower Reaches of Shule River Basin in China as an Example. <i>Sustainability</i> , 2018, 10, 771.	1.6	16
1528	Making Conventional Agriculture Environmentally Friendly: Moving beyond the Glorification of Organic Agriculture and the Demonization of Conventional Agriculture. <i>Sustainability</i> , 2018, 10, 1078.	1.6	67
1529	Beyond Biodiversity Conservation: Land Sharing Constitutes Sustainable Agriculture in European Cultural Landscapes. <i>Sustainability</i> , 2018, 10, 1395.	1.6	15
1530	Determinants of Agricultural Diversification in a Hotspot Area: Evidence from Colonist and Indigenous Communities in the Sumaco Biosphere Reserve, Ecuadorian Amazon. <i>Sustainability</i> , 2018, 10, 1432.	1.6	25
1531	Achieving Sustainable Phosphorus Use in Food Systems through Circularisation. <i>Sustainability</i> , 2018, 10, 1804.	1.6	45

#	ARTICLE	IF	CITATIONS
1532	Nutrient Reduction in Agricultural Green Infrastructure: An Analysis of the Raccoon River Watershed. <i>Water (Switzerland)</i> , 2018, 10, 749.	1.2	8
1533	Ecomodernism and the Anthropocene. , 2018, , 61-66.		0
1534	Occurrence and fate of antibiotics in manure during manure treatments: A short review. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 9, 76-86.	1.6	89
1535	Soilâ€œTest Biological Activity with the Flush of CO₂: I. C and N Characteristics of Soils in Corn Production. <i>Soil Science Society of America Journal</i> , 2018, 82, 685-695.	1.2	41
1536	Image processing for bioassays. , 2018, , 263-287.		0
1537	Developing new RNA interference technologies to control fungal pathogens. <i>Canadian Journal of Plant Pathology</i> , 2018, 40, 325-335.	0.8	28
1538	Effect of Drought on Agronomic Traits of Rice and Wheat: A Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 839.	1.2	208
1539	AtDIV2, an R-R-type MYB transcription factor of Arabidopsis, negatively regulates salt stress by modulating ABA signaling. <i>Plant Cell Reports</i> , 2018, 37, 1499-1511.	2.8	54
1540	In vitro synthetic enzymatic biosystems at the interface of the food-energy-water nexus: A conceptual framework and recent advances. <i>Process Biochemistry</i> , 2018, 74, 43-49.	1.8	2
1541	Moving beyond calories and protein: Micronutrient assessment of UK diets and land use. <i>Global Environmental Change</i> , 2018, 52, 108-116.	3.6	14
1542	Remote Sensing of Croplands. , 2018, , 78-95.		11
1543	Annual flower strips support pollinators and potentially enhance red clover seed yield. <i>Ecology and Evolution</i> , 2018, 8, 7974-7985.	0.8	47
1544	Advances in Genetics and Breeding of Salt Tolerance in Soybean. , 2018, , 217-237.		4
1545	Evaluating strategies for sustainable intensification of US agriculture through the Long-Term Agroecosystem Research network. <i>Environmental Research Letters</i> , 2018, 13, 034031.	2.2	75
1546	Meat consumption, health, and the environment. <i>Science</i> , 2018, 361, .	6.0	1,031
1547	Co-producing climate policy and negative emissions: trade-offs for sustainable land-use. <i>Global Sustainability</i> , 2018, 1, .	1.6	36
1548	Protected Agriculture in Extreme Environments: A Review of Controlled Environment Agriculture in Tropical, Arid, Polar, and Urban Locations. <i>Applied Engineering in Agriculture</i> , 2018, 34, 455-473.	0.3	57
1549	Old growth, regrowth, and planted woodland provide complementary habitat for threatened woodland birds on farms. <i>Biological Conservation</i> , 2018, 223, 120-128.	1.9	9

#	ARTICLE	IF	CITATIONS
1550	Identifying the community structure of the food-trade international multi-network. <i>Environmental Research Letters</i> , 2018, 13, 054026.	2.2	54
1551	Satellite sun-induced chlorophyll fluorescence detects early response of winter wheat to heat stress in the Indian Indo-Gangetic Plains. <i>Global Change Biology</i> , 2018, 24, 4023-4037.	4.2	152
1552	Ubiquitin-related genes are differentially expressed in isogenic lines contrasting for pericarp cell size and grain weight in hexaploid wheat. <i>BMC Plant Biology</i> , 2018, 18, 22.	1.6	29
1553	Association of yield-related traits in founder genotypes and derivatives of common wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	28
1554	The emery of metabolism in the same ecosystem (maize) under different environmental conditions. <i>Journal of Cleaner Production</i> , 2018, 191, 233-239.	4.6	14
1555	Assessment of reactive nitrogen mitigation potential of different nitrogen treatments under direct-seeded rice and wheat cropping system. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20241-20254.	2.7	6
1556	Towards a more predictable plant breeding pipeline with CRISPR/Cas-induced allelic series to optimize quantitative and qualitative traits. <i>Current Opinion in Plant Biology</i> , 2018, 45, 218-225.	3.5	46
1557	Pesticides in the atmospheric environment: an overview on their determination methodologies. <i>Analytical Methods</i> , 2018, 10, 4484-4504.	1.3	20
1558	Comparative Study on Changes of Croplands Between North Korea and South Korea During 1990–2015. <i>Chinese Geographical Science</i> , 2018, 28, 920-934.	1.2	8
1559	Nanoparticles for plant disease management. <i>Current Opinion in Environmental Science and Health</i> , 2018, 6, 66-70.	2.1	89
1560	Cyanobacterial Biodiversity and Biotechnology: A Promising Approach for Crop Improvement. , 2018, , 195-219.		2
1561	The potential impact of economic policies on future land-use conversions in Argentina. <i>Land Use Policy</i> , 2018, 79, 57-67.	2.5	28
1562	Enhancing photosynthesis in plants: the light reactions. <i>Essays in Biochemistry</i> , 2018, 62, 85-94.	2.1	90
1563	Delaying Wheat Seeding Time and Maize Harvest Improved Water Use Efficiency in a Warm Temperature Continental Monsoon Climate. <i>Agronomy Journal</i> , 2018, 110, 1420-1429.	0.9	11
1565	Closing the global ozone yield gap: Quantification and cobenefits for multistress tolerance. <i>Global Change Biology</i> , 2018, 24, 4869-4893.	4.2	163
1566	Shock transmission in the International Food Trade Network. <i>PLoS ONE</i> , 2018, 13, e0200639.	1.1	46
1567	Simultaneous adoption of integrated soil fertility management technologies in the Chinyanja Triangle, Southern Africa. <i>Natural Resources Forum</i> , 2018, 42, 172-184.	1.8	5
1568	Neo-Domestication of an Interspecific Tetraploid <i>Helianthus annuus</i> – <i>Helianthus tuberosus</i> Population That Segregates for Perennial Habit. <i>Genes</i> , 2018, 9, 422.	1.0	10

#	ARTICLE	IF	CITATIONS
1569	The Role of Urban Agriculture as a Nature-Based Solution: A Review for Developing a Systemic Assessment Framework. <i>Sustainability</i> , 2018, 10, 1937.	1.6	157
1570	Identifying patterns and hotspots of global land cover transitions using the ESA CCI Land Cover dataset. <i>Remote Sensing Letters</i> , 2018, 9, 972-981.	0.6	63
1571	The Future of Nanotechnology in Plant Pathology. <i>Annual Review of Phytopathology</i> , 2018, 56, 111-133.	3.5	271
1572	Wireless Sensor Networks for Microclimate Monitoring in Edamame Farm. , 2018, , .		1
1573	The Effects of Arbuscular Mycorrhizal Fungal Colonisation on Nutrient Status, Growth, Productivity, and Canker Resistance of Apple (<i>Malus pumila</i>). <i>Frontiers in Microbiology</i> , 2018, 9, 1461.	1.5	53
1574	Soil Microbial Resources for Improving Fertilizers Efficiency in an Integrated Plant Nutrient Management System. <i>Frontiers in Microbiology</i> , 2018, 9, 1606.	1.5	346
1575	Food systems for sustainable development: proposals for a profound four-part transformation. <i>Agronomy for Sustainable Development</i> , 2018, 38, 41.	2.2	157
1576	Genomic Approaches to Enhance Stress Tolerance for Productivity Improvements in Pearl Millet. , 2018, , 239-264.		6
1577	Optimizing photorespiration for improved crop productivity. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1217-1230.	4.1	58
1578	Soil Organic Matter in Dryland Ecosystems. , 2018, , 39-70.		16
1579	Agricultural Land Use and the Global Carbon Cycle. , 2018, , 1-37.		4
1580	Social-ecological outcomes of agricultural intensification. <i>Nature Sustainability</i> , 2018, 1, 275-282.	11.5	204
1581	Photosynthesis and Abiotic Stress in Plants. , 2018, , 27-46.		47
1582	Heterologous Expression of Key C and N Metabolic Enzymes Improves Re-assimilation of Photorespired CO ₂ and NH ₃ , and Growth. <i>Plant Physiology</i> , 2018, 177, 1396-1409.	2.3	15
1583	Identification of the most limiting factor for rice yield using soil data collected before planting and during the reproductive stage. <i>Land Degradation and Development</i> , 2018, 29, 2310-2320.	1.8	15
1584	Bright spots in agricultural landscapes: Identifying areas exceeding expectations for multifunctionality and biodiversity. <i>Journal of Applied Ecology</i> , 2018, 55, 2731-2743.	1.9	35
1585	Leveraging a New Understanding of how Belowground Food Webs Stabilize Soil Organic Matter to Promote Ecological Intensification of Agriculture. , 2018, , 117-136.		9
1586	Towards a broad-based and holistic framework of Sustainable Intensification indicators. <i>Land Use Policy</i> , 2018, 77, 576-597.	2.5	28

#	ARTICLE	IF	CITATIONS
1587	Will Plants Yield to CRISPR?. CRISPR Journal, 2018, 1, 211-213.	1.4	1
1588	Animal production and soil characteristics from integrated crop-livestock systems: toward sustainable intensification. Journal of Animal Science, 2018, 96, 3513-3525.	0.2	52
1589	Quorum Quenching. Comprehensive Analytical Chemistry, 2018, 81, 117-149.	0.7	11
1590	Producing Policy-relevant Science by Enhancing Robustness and Model Integration for the Assessment of Global Environmental Change. Environmental Modelling and Software, 2019, 111, 248-258.	1.9	4
1591	Land Use Change, Deforestation and Competition for Land Due to Food Production. , 2019, , 21-26.		6
1592	Comparing Yields: Organic Versus Conventional Agriculture. , 2019, , 196-208.		14
1593	CropGIS – A web application for the spatial and temporal visualization of past, present and future crop biomass development. Computers and Electronics in Agriculture, 2019, 161, 185-193.	3.7	18
1594	ARE FARMERS SEARCHING FOR AN AFRICAN GREEN REVOLUTION? EXPLORING THE SOLUTION SPACE FOR AGRICULTURAL INTENSIFICATION IN SOUTHERN MALI. Experimental Agriculture, 2019, 55, 288-310.	0.4	21
1595	Nutrition Transition and the Structure of Global Food Demand. American Journal of Agricultural Economics, 2019, 101, 383-403.	2.4	85
1596	What agricultural practices are most likely to deliver –sustainable intensification– in the <scp>UK</scp>?. Food and Energy Security, 2019, 8, e00148.	2.0	38
1597	Amphibians in agricultural landscapes: the habitat value of crop areas, linear plantings and remnant woodland patches. Animal Conservation, 2019, 22, 72-82.	1.5	15
1598	The Role of Microbes to Improve Crop Productivity and Soil Health. Ecowise, 2019, , 249-265.	0.1	34
1599	Short-term effects of organo-mineral enriched biochar fertiliser on ginger yield and nutrient cycling. Journal of Soils and Sediments, 2019, 19, 668-682.	1.5	33
1600	Geo-spatial analysis of land use/land cover change and its impact on the food security in District Anantnag of Kashmir Valley. Geo Journal, 2019, 84, 785-794.	1.7	14
1601	Spatial and Temporal Changes of Arable Land Driven by Urbanization and Ecological Restoration in China. Chinese Geographical Science, 2019, 29, 809-819.	1.2	55
1602	Agroforestry suitability mapping of India: geospatial approach based on FAO guidelines. Agroforestry Systems, 2019, 93, 1319-1336.	0.9	40
1603	Pathways to sustainable intensification of the coffee-banana agroecosystems in the Mt. Elgon region. Cogent Food and Agriculture, 2019, 5, 1611051.	0.6	5
1604	Using machine learning to quantify the impacts of genetically modified crops on US midwest corn yields. Applied Geography, 2019, 110, 102058.	1.7	1

#	ARTICLE	IF	CITATIONS
1605	Organic Matter Management in Cereals Based System: Symbiosis for Improving Crop Productivity and Soil Health. <i>Sustainable Agriculture Reviews</i> , 2019, , 67-92.	0.6	16
1606	CO ₂ fertilization does not affect biomass production and nutritive value of a C ₄ tropical grass in short timeframe. <i>Grass and Forage Science</i> , 2019, 74, 670-677.	1.2	6
1607	Food Loss and Waste: Measurement, Drivers, and Solutions. <i>Annual Review of Environment and Resources</i> , 2019, 44, 117-156.	5.6	104
1608	Forest fragmentation and impacts of intensive agriculture: Responses from different tree functional groups. <i>PLoS ONE</i> , 2019, 14, e0212725.	1.1	5
1609	Using scenario analyses to address the future of food. <i>EFSA Journal</i> , 2019, 17, e170703.	0.9	13
1610	Plant circadian rhythms regulate the effectiveness of a glyphosate-based herbicide. <i>Nature Communications</i> , 2019, 10, 3704.	5.8	47
1611	Teosinte ligule allele narrows plant architecture and enhances high-density maize yields. <i>Science</i> , 2019, 365, 658-664.	6.0	262
1612	Implementing land-based mitigation to achieve the Paris Agreement in Europe requires food system transformation. <i>Environmental Research Letters</i> , 2019, 14, 104009.	2.2	14
1613	Next generation long-culm rice with superior lodging resistance and high grain yield, Monster Rice 1. <i>PLoS ONE</i> , 2019, 14, e0221424.	1.1	26
1614	The Role of Cultural Factors in Sustainable Food Consumption—An Investigation of the Consumption Habits among International Students in Hungary. <i>Sustainability</i> , 2019, 11, 3052.	1.6	27
1615	Si permeability of a deficient Lsi1 aquaporin in tobacco can be enhanced through a conserved residue substitution. <i>Plant Direct</i> , 2019, 3, e00163.	0.8	16
1616	The power of model-to-crop translation illustrated by reducing seed loss from pod shatter in oilseed rape. <i>Plant Reproduction</i> , 2019, 32, 331-340.	1.3	16
1617	Climate change commitments and agriculture sectoral strategies in Cameroon: Interplay and perspectives. <i>Cogent Environmental Science</i> , 2019, 5, 1625740.	1.6	4
1618	Overexpression of <i>calpase</i> Decreases Rubisco Abundance and Grain Yield in Wheat. <i>Plant Physiology</i> , 2019, 181, 471-479.	2.3	14
1619	Nitrogen Fertilizers Shape the Composition and Predicted Functions of the Microbiota of Field-Grown Tomato Plants. <i>Phytobiomes Journal</i> , 2019, 3, 315-325.	1.4	26
1620	Diverse land-uses shape new bird communities in a changing rural region. <i>Biodiversity and Conservation</i> , 2019, 28, 3479-3496.	1.2	11
1621	The nutritive value of black soldier fly larvae reared on common organic waste streams in Kenya. <i>Scientific Reports</i> , 2019, 9, 10110.	1.6	185
1622	Changes in quantity, quality, and pattern of farmland in a rapidly developing region of China: a case study of the Ningbo region. <i>Landscape and Ecological Engineering</i> , 2019, 15, 323-336.	0.7	10

#	ARTICLE	IF	CITATIONS
1623	Mapping change in biodiversity and ecosystem function research: food webs foster integration of experiments and science policy. <i>Advances in Ecological Research</i> , 2019, , 297-322.	1.4	16
1624	Source-to-Sink Translocation of Carbon and Nitrogen Is Regulated by Fertilization and Plant Population in Maize-Pea Intercropping. <i>Frontiers in Plant Science</i> , 2019, 10, 891.	1.7	14
1625	Forest conversion to pasture affects soil phosphorus dynamics and nutritional status in Brazilian Amazon. <i>Soil and Tillage Research</i> , 2019, 194, 104330.	2.6	29
1626	Social inclusion increases with time for zero-tillage wheat in the Eastern Indo-Gangetic Plains. <i>World Development</i> , 2019, 123, 104582.	2.6	10
1627	Assessing the pasturelands and livestock dynamics in Brazil, from 1985 to 2017: A novel approach based on high spatial resolution imagery and Google Earth Engine cloud computing. <i>Remote Sensing of Environment</i> , 2019, 232, 111301.	4.6	89
1628	Occurrence of <i>β</i> -Lactam Resistance Genes and Plasmid-Mediated Resistance Among <i>Vibrios</i> Isolated from Southwest Coast of India. <i>Microbial Drug Resistance</i> , 2019, 25, 1306-1315.	0.9	12
1629	The Ecological Limits of Poverty Alleviation in an African Forest-Agriculture Landscape. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	12
1630	Integrated sugarcane farming and sugar milling with selective fermentation: A simulation-based approach. <i>Journal of Cleaner Production</i> , 2019, 236, 117521.	4.6	8
1631	Microalgal Aquafeeds As Part of a Circular Bioeconomy. <i>Trends in Plant Science</i> , 2019, 24, 959-970.	4.3	87
1632	Applying an environmental public health lens to the industrialization of food animal production in ten low- and middle-income countries. <i>Globalization and Health</i> , 2019, 15, 40.	2.4	20
1633	Effects of land use and land cover change on ecosystem services in the Koshi River Basin, Eastern Nepal. <i>Ecosystem Services</i> , 2019, 38, 100963.	2.3	173
1634	Mathematical modelling for sustainable aphid control in agriculture via intercropping. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190136.	1.0	8
1635	Vigour/tolerance trade-off in cultivated sunflower (<i>Helianthus annuus</i>) response to salinity stress is linked to leaf elemental composition. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 508-518.	1.7	19
1636	Are we approaching a water ceiling to maize yields in the United States?. <i>Ecosphere</i> , 2019, 10, e02773.	1.0	42
1637	Declining Country-Level Food Self-Sufficiency Suggests Future Food Insecurities. <i>BioPhysical Economics and Resource Quality</i> , 2019, 4, 1.	2.4	16
1638	Effects of nitrogen split application on seasonal N ₂ O emissions in southeast Norway. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 115, 41-56.	1.1	17
1639	Genetic dissection of developmental responses of agro-morphological traits under different doses of nutrient fertilizers using high-density SNP markers. <i>PLoS ONE</i> , 2019, 14, e0220066.	1.1	10
1640	Reducing meat consumption and following plant-based diets: Current evidence and future directions to inform integrated transitions. <i>Trends in Food Science and Technology</i> , 2019, 91, 380-390.	7.8	239

#	ARTICLE	IF	CITATIONS
1641	Behavioural valuation of landscapes using movement data. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180046.	1.8	46
1642	Dynamics of the giant panda habitat suitability in response to changing anthropogenic disturbance in the Liangshan Mountains. <i>Biological Conservation</i> , 2019, 237, 445-455.	1.9	33
1643	Review: Improving global food security through accelerated plant breeding. <i>Plant Science</i> , 2019, 287, 110207.	1.7	141
1644	Probabilistic evaluation of the impact of compound dry-hot events on global maize yields. <i>Science of the Total Environment</i> , 2019, 689, 1228-1234.	3.9	87
1645	Green Behavior and Corporate Social Responsibility in Asia. , 2019, , .		1
1646	Recent Trends in Sensors for Health and Agricultural Applications. , 2019, , 341-355.		6
1647	Worldwide research trends on sustainable land use in agriculture. <i>Land Use Policy</i> , 2019, 87, 104069.	2.5	111
1648	Global impacts of future cropland expansion and intensification on agricultural markets and biodiversity. <i>Nature Communications</i> , 2019, 10, 2844.	5.8	312
1649	Socioeconomic Drivers of Global Blue Water Use. <i>Water Resources Research</i> , 2019, 55, 5650-5664.	1.7	27
1650	Overexpression of a Metallothionein 2A Gene from Date Palm Confers Abiotic Stress Tolerance to Yeast and <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2871.	1.8	51
1652	Soil and crop management to save food and enhance food security. , 2019, , 33-87.		11
1653	Sustainable Proteins Production. , 2019, , 1-39.		1
1654	World Cereal Nitrogen Use Efficiency Trends: Review and Current Knowledge. , 2019, 2, 1-8.		111
1655	Phytotoxins produced by pathogenic fungi of agrarian plants. <i>Phytochemistry Reviews</i> , 2019, 18, 843-870.	3.1	38
1656	Plant domestication disrupts biodiversity effects across major crop types. <i>Ecology Letters</i> , 2019, 22, 1472-1482.	3.0	25
1657	Environmental degradation—An undesirable output of the food system. , 2019, , 123-138.		1
1658	Healthy diets as a climate change mitigation strategy. , 2019, , 243-261.		8
1659	Genotype by environment interactions for performance of perennial rice genotypes (<i>Oryza sativa</i>) Tj ETQq1 1 0.784314 rgBT /Overlook southern China. <i>Field Crops Research</i> , 2019, 241, 107556.	2.3	17

#	ARTICLE	IF	CITATIONS
1660	Assessing the efficiency and sustainability of wheat production systems in different climate zones in China using energy analysis. <i>Journal of Cleaner Production</i> , 2019, 235, 724-732.	4.6	47
1661	Land Use, Not Stream Order, Controls N ₂ O Concentration and Flux in the Upper Mara River Basin, Kenya. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3491-3506.	1.3	35
1662	Mitigation efforts will not fully alleviate the increase in water scarcity occurrence probability in wheat-producing areas. <i>Science Advances</i> , 2019, 5, eaau2406.	4.7	104
1663	Interactive land use strategic assessment: An assessment tool for irrigation profitability under climate uncertainty. <i>Agricultural Water Management</i> , 2019, 224, 105751.	2.4	1
1664	Cross-cutting Issues. , 2019, , 74-103.		1
1665	Future Developments Without Targeted Policies. , 2019, , 484-509.		1
1666	Bacteria, Fungi and Archaea Domains in Rhizospheric Soil and Their Effects in Enhancing Agricultural Productivity. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3873.	1.2	71
1667	Assessing the effects of plant density and plastic film mulch on maize evaporation and transpiration using dual crop coefficient approach. <i>Agricultural Water Management</i> , 2019, 225, 105765.	2.4	39
1668	Mapping three decades of annual irrigation across the US High Plains Aquifer using Landsat and Google Earth Engine. <i>Remote Sensing of Environment</i> , 2019, 233, 111400.	4.6	109
1669	Socio-economic drivers of pig production and their effects on achieving sustainable development goals in China. <i>Journal of Integrative Environmental Sciences</i> , 2019, 16, 141-155.	1.0	19
1670	Substitution of Inorganic Nitrogen Fertilizer with Green Manure (GM) Increased Yield Stability by Improving C Input and Nitrogen Recovery Efficiency in Rice Based Cropping System. <i>Agronomy</i> , 2019, 9, 609.	1.3	21
1671	Challenges and Opportunities for Soil Biodiversity in the Anthropocene. <i>Current Biology</i> , 2019, 29, R1036-R1044.	1.8	136
1672	Predicting soil water balance for irrigated and non-irrigated lucerne on stony, alluvial soils. <i>Agricultural Water Management</i> , 2019, 226, 105790.	2.4	12
1673	Conservation of Tropical Forests in the Anthropocene. <i>Current Biology</i> , 2019, 29, R1008-R1020.	1.8	81
1674	Early Prediction of Soybean Traits through Color and Texture Features of Canopy RGB Imagery. <i>Scientific Reports</i> , 2019, 9, 14089.	1.6	27
1675	Coastal Ecosystems of the Tropics - Adaptive Management. , 2019, , .		17
1676	The effect of tillage on nitrogen use efficiency in maize (<i>Zea mays</i> L.) in a ridgeâ€“furrow plastic film mulch system. <i>Soil and Tillage Research</i> , 2019, 195, 104409.	2.6	15
1677	Is Natural Capital Really Substitutable?. <i>Annual Review of Environment and Resources</i> , 2019, 44, 425-448.	5.6	37

#	ARTICLE	IF	CITATIONS
1678	Effects of multiple stressors associated with agriculture on stream macroinvertebrate communities in a tropical catchment. PLoS ONE, 2019, 14, e0220528.	1.1	34
1680	Pathways Toward Sustainable Development. , 2019, , 510-543.		0
1681	The 2030 Agenda as a challenge to life sciences universities. Gaia, 2019, 28, 100-105.	0.3	9
1682	A Road Map for Conservation, Use, and Public Engagement around North America's Crop Wild Relatives and Wild Utilized Plants. Crop Science, 2019, 59, 2302-2307.	0.8	20
1683	Comprehensive evaluation and optimization of agricultural system: An emergy approach. Ecological Indicators, 2019, 107, 105650.	2.6	28
1684	Austin Sarat (ed.), <i>Human Rights and Legal Judgments: The American Story</i>. Human Rights Law Review, 2019, 19, 193-198.	0.3	1
1685	Forage Yield and Quality Indices of Silage-Corn Following Organic and Inorganic Phosphorus Amendments in Podzol Soil under Boreal Climate. Agronomy, 2019, 9, 489.	1.3	20
1686	High-resolution mapping of protected agriculture in Mexico, through remote sensing data cloud geoprocessing. European Journal of Remote Sensing, 2019, 52, 532-541.	1.7	17
1688	Fostering Innovation for Agriculture 4.0. , 2019, , .		4
1689	Economic growth, convergence, and agricultural economics. Agricultural Economics (United Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.0	17
1690	World Sulfur Use Efficiency for Cereal Crops. Agronomy Journal, 2019, 111, 2485-2492.	0.9	39
1691	Agricultural Land Suitability of Production Space in the Taihang Mountains, China. Chinese Geographical Science, 2019, 29, 1024-1038.	1.2	16
1692	Evaluating the effects of integrating trees into temperate arable systems on pest control and pollination. Agricultural Systems, 2019, 176, 102676.	3.2	25
1693	Photosynthetic efficiency and mesophyll conductance are unaffected in Arabidopsis thaliana aquaporin knock-out lines. Journal of Experimental Botany, 2020, 71, 318-329.	2.4	31
1694	Using indicators to inform the sustainable governance of water-for-food systems. Current Opinion in Environmental Sustainability, 2019, 40, 55-62.	3.1	10
1695	Large-scale pasture restoration may not be the best option to reduce greenhouse gas emissions in Brazil. Environmental Research Letters, 2019, 14, 125009.	2.2	11
1696	Generation of High-Density Hyperspectral Point Clouds of Crops with Robotic Multi-Camera Planning. , 2019, , .		2
1697	Studies on Crop Yields and Their Extreme Value Analysis over India. Sustainability, 2019, 11, 4657.	1.6	1

#	ARTICLE	IF	CITATIONS
1698	A Second-Class Workforce: How Neoliberal Policies and Reforms Undermined the Educational Profession. <i>Journal of Curriculum and Teaching</i> , 2019, 8, 102.	0.1	3
1699	Contrasting behavior of nitrate and phosphate flux from high flow events on small agricultural and urban watersheds. <i>Biogeochemistry</i> , 2019, 145, 141-160.	1.7	21
1700	Impacts of Intensified Cropping Systems on Soil Water Use by Spring Wheat. <i>Soil Science Society of America Journal</i> , 2019, 83, 1188-1199.	1.2	6
1701	A Scenario-Based Simulation of Land System Changes on Dietary Changes: A Case Study in China. <i>Sustainability</i> , 2019, 11, 5196.	1.6	3
1702	Six Collective Challenges for Sustainability of Almería Greenhouse Horticulture. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4097.	1.2	54
1703	Nitric oxide scavenging of hydroxyl radicals in a nanosecond pulsed plasma discharge gas-liquid reactor. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 504002.	1.3	12
1704	Sustainable wheat (<i>Triticum aestivum</i> L.) production in saline fields: a review. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 999-1014.	5.1	74
1705	Mechanisms of potassium uptake efficiency and dynamics in the rhizosphere of safflower and sunflower in different soils. <i>Journal of Plant Nutrition</i> , 2019, 42, 2459-2483.	0.9	3
1706	Land sparing to make space for species dependent on natural habitats and high nature value farmland. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191483.	1.2	25
1707	Morphological and Physiological Responses Induced by Protein Hydrolysate-Based Biostimulant and Nitrogen Rates in Greenhouse Spinach. <i>Agronomy</i> , 2019, 9, 450.	1.3	93
1708	A review of nitrogen translocation and nitrogen-use efficiency. <i>Journal of Plant Nutrition</i> , 2019, 42, 2624-2641.	0.9	27
1709	The role of global dietary transitions for safeguarding biodiversity. <i>Global Environmental Change</i> , 2019, 58, 101956.	3.6	32
1710	Optimization, Structure-Activity Relationship, and Mode of Action of Nortopsentin Analogues Containing Thiazole and Oxazole Moieties. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10018-10031.	2.4	37
1711	Effect of benzyl amino purin (BAP) and gibberellin acid (GA3) to chlorophyll and antioxidant enzymes of soybean (<i>Glycine max</i> (L) Merrill.) genotypes in response to inundation conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 260, 012153.	0.2	3
1713	Use of DoE methodology to optimize the regeneration of high-quality, single-copy transgenic <i>Zea mays</i> L. (maize) plants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 678-694.	0.9	14
1714	The Future of Feed: Integrating Technologies to Decouple Feed Production from Environmental Impacts. <i>Industrial Biotechnology</i> , 2019, 15, 52-62.	0.5	13
1715	Future pesticide risk assessment: narrowing the gap between intention and reality. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	80
1716	Assessing climate adaptation options for cereal-based systems in the eastern Indo-Gangetic Plains, South Asia. <i>Journal of Agricultural Science</i> , 2019, 157, 189-210.	0.6	10

#	ARTICLE	IF	CITATIONS
1717	Microclimate Prediction Using Cloud Centric Model Based on IoT Technology for Sustainable Agriculture. , 2019, , .		5
1718	The global cropland footprint of Denmark's food supply 2000â€“2013. <i>Global Environmental Change</i> , 2019, 58, 101978.	3.6	26
1719	Chitosan microparticles improve tomato seedling biomass and modulate hormonal, redox and defense pathways. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 203-211.	2.8	29
1720	Science-based intensive agriculture: Sustainability, food security, and the role of technology. <i>Global Food Security</i> , 2019, 23, 236-244.	4.0	56
1721	Combined index of genomic prediction methods applied to productivity. <i>Ciencia Rural</i> , 2019, 49, .	0.3	4
1722	Integrated N management improves nitrogen use efficiency and economics in a winter wheatâ€“summer maize multiple-cropping system. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 115, 313-329.	1.1	9
1723	Impact assessment of land use change on surface temperature and agricultural productivity in Peshawar-Pakistan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33076-33085.	2.7	47
1724	Understorey Vegetation in Oil Palm Plantations Promotes Leopard Cat Activity, but Does Not Affect Rats or Rat Damage. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	20
1725	Identifying the limiting factors driving the winter wheat yield gap on smallholder farms by agronomic diagnosis in North China Plain. <i>Journal of Integrative Agriculture</i> , 2019, 18, 1701-1713.	1.7	31
1726	Science and Technology Backyard: A novel approach to empower smallholder farmers for sustainable intensification of agriculture in China. <i>Journal of Integrative Agriculture</i> , 2019, 18, 1657-1666.	1.7	31
1727	Short-Term Effect of Nitrogen Intensification on Aggregate Size Distribution, Microbial Biomass and Enzyme Activities in a Semi-Arid Soil Under Different Crop Types. <i>Pedosphere</i> , 2019, 29, 483-491.	2.1	10
1728	Conventional and organic soil management as divergent drivers of resident and active fractions of major soil food web constituents. <i>Scientific Reports</i> , 2019, 9, 13521.	1.6	54
1729	The homogenizing influence of agriculture on forest bird communities at landscape scales. <i>Landscape Ecology</i> , 2019, 34, 2385-2399.	1.9	28
1730	Reflectance-based Model for Soybean Mapping in United States at Common Land Unit Scale with Landsat 8. <i>European Journal of Remote Sensing</i> , 2019, 52, 522-531.	1.7	2
1731	Impact of Larval Competition on Life-History Traits of the Black Soldier Fly (Diptera: Stratiomyidae). <i>Annals of the Entomological Society of America</i> , 2019, 112, 505-510.	1.3	16
1732	Microalgaeâ€“nutritious, sustainable aqua- and animal feed source. <i>Journal of Functional Foods</i> , 2019, 62, 103545.	1.6	147
1733	Optimizing nitrogen management to achieve high yield, high nitrogen efficiency and low nitrogen emission in winter wheat. <i>Science of the Total Environment</i> , 2019, 697, 134088.	3.9	64
1734	Advancing an Integrative Framework to Evaluate Sustainability in National Dietary Guidelines. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	43

#	ARTICLE	IF	CITATIONS
1735	Bacterial protein for food and feed generated via renewable energy and direct air capture of CO ₂ : Can it reduce land and water use?. <i>Global Food Security</i> , 2019, 22, 25-32.	4.0	91
1736	Chemical engineering for a solar economy (2017 P. V. Danckwerts Lecture). <i>Chemical Engineering Science</i> , 2019, 210, 115215.	1.9	6
1737	Bringing the concept of ammonia critical levels into managing cork-oak woodland for conservation. <i>Forest Ecology and Management</i> , 2019, 453, 117566.	1.4	4
1738	Efficiently managing green information and communication technologies, high-technology exports, and research and development expenditures: A case study. <i>Journal of Cleaner Production</i> , 2019, 240, 118164.	4.6	47
1739	A global synthesis of the effect of water and nitrogen input on maize (<i>Zea mays</i>) yield, water productivity and nitrogen use efficiency. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 136-145.	1.9	43
1740	Plant development and solar radiation interception of four annual forage plants in response to sowing date in a semi-arid environment. <i>Industrial Crops and Products</i> , 2019, 131, 41-53.	2.5	17
1741	Voluntary sustainability standards could significantly reduce detrimental impacts of global agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2130-2137.	3.3	31
1742	Comparison of plastic film, biodegradable paper and bio-based film mulching for summer tomato production: Soil properties, plant growth, fruit yield and fruit quality. <i>Scientia Horticulturae</i> , 2019, 249, 38-48.	1.7	73
1743	Discovery of Pimprinine Alkaloids as Novel Agents against a Plant Virus. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1795-1806.	2.4	59
1744	Large-scale Irrigation Impacts Socio-cultural Values: An Example from Rural Navarre, Spain. <i>Ecological Economics</i> , 2019, 159, 354-361.	2.9	18
1745	Efficient curation of genebanks using next generation sequencing reveals substantial duplication of germplasm accessions. <i>Scientific Reports</i> , 2019, 9, 650.	1.6	79
1746	Leaf photosynthetic capacity is regulated by the interaction of nitrogen and potassium through coordination of CO ₂ diffusion and carboxylation. <i>Physiologia Plantarum</i> , 2019, 167, 418-432.	2.6	24
1747	Wheat and barley biology: Towards new frontiers. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 198-203.	4.1	17
1748	Potential yields, yield gaps, and optimal agronomic management practices for rice production systems in different regions of China. <i>Agricultural Systems</i> , 2019, 171, 100-112.	3.2	32
1749	Laboratory and field tests for risk assessment of metsulfuron-methyl-based herbicides for soil fauna. <i>Chemosphere</i> , 2019, 222, 645-655.	4.2	16
1750	Enset in Ethiopia: a poorly characterized but resilient starch staple. <i>Annals of Botany</i> , 2019, 123, 747-766.	1.4	119
1751	Synthetic biology approaches for improving photosynthesis. <i>Journal of Experimental Botany</i> , 2019, 70, 1425-1433.	2.4	82
1752	Validation of a critical nitrogen dilution curve for hybrid ryegrasses. <i>Grass and Forage Science</i> , 2019, 74, 370-380.	1.2	7

#	ARTICLE	IF	CITATIONS
1753	How can developmental biology help feed a growing population?. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	18
1754	Local and landscape habitat influences on bee diversity in agricultural landscapes in Anolaima, Colombia. <i>Journal of Insect Conservation</i> , 2019, 23, 133-146.	0.8	17
1755	Reshaping the Sustainable Geographical Pattern: A Major Function Zoning Model and Its Applications in China. <i>Earth's Future</i> , 2019, 7, 25-42.	2.4	47
1756	Diversifying conservation agriculture and conventional tillage cropping systems to improve the wellbeing of smallholder farmers in Malawi. <i>Agricultural Systems</i> , 2019, 171, 23-35.	3.2	26
1758	Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems. <i>Lancet, The</i> , 2019, 393, 447-492.	6.3	5,421
1759	Changing Dietary Patterns as Drivers of Changing Environmental Impacts. , 2019, , 172-177.		3
1760	Competition for Land, Water and Energy (Nexus) in Food Production. , 2019, , 187-195.		2
1761	Technology Spillovers and Land Use Change: Empirical Evidence from Global Agriculture. <i>American Journal of Agricultural Economics</i> , 2019, 101, 870-893.	2.4	36
1762	Evaluation of ACC-deaminase-producing rhizobacteria to alleviate water-stress impacts in wheat (<i>Triticum aestivum</i> L.) plants. <i>Canadian Journal of Microbiology</i> , 2019, 65, 387-403.	0.8	86
1763	Natural enemy enhancement and botanical insecticide source: a review of dual use companion plants. <i>Applied Entomology and Zoology</i> , 2019, 54, 1-19.	0.6	47
1764	Exploring the relationship between agricultural intensification and changes in cropland areas in the US. <i>Agriculture, Ecosystems and Environment</i> , 2019, 274, 33-40.	2.5	22
1765	An Improved Approach Considering Intra-class Variability for Mapping Winter Wheat Using Multitemporal MODIS EVI Images. <i>Remote Sensing</i> , 2019, 11, 1191.	1.8	21
1766	Magnetic Nanoparticle Interface with an Antimicrobial Propensity. <i>Nanotechnology in the Life Sciences</i> , 2019, , 287-300.	0.4	2
1767	The history of greenhouse gas emissions and relation with the nuclear energy policy for Turkey. <i>International Journal of Ambient Energy</i> , 0, , 1-9.	1.4	40
1768	Shoot tip culture: a step towards ¹³ C metabolite flux analysis of sink leaf metabolism. <i>Plant Methods</i> , 2019, 15, 48.	1.9	6
1769	Rebound effects in agricultural land and soil management: Review and analytical framework. <i>Journal of Cleaner Production</i> , 2019, 227, 1054-1067.	4.6	95
1770	Tracing insect pests: is there new potential in molecular techniques?. <i>Insect Molecular Biology</i> , 2019, 28, 759-772.	1.0	16
1771	Multi-Temporal Agricultural Land-Cover Mapping Using Single-Year and Multi-Year Models Based on Landsat Imagery and IACS Data. <i>Agronomy</i> , 2019, 9, 309.	1.3	10

#	ARTICLE	IF	CITATIONS
1772	Recent changes in county-level maize production in the United States: Spatial-temporal patterns, climatic drivers and the implications for crop modelling. <i>Science of the Total Environment</i> , 2019, 686, 819-827.	3.9	15
1773	Nitrogen loss and greenhouse gas flux across an intensification gradient in diversified vegetable rotations. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 114, 193-210.	1.1	3
1774	How much will precision nitrogen management pay off? An evaluation based on simulating thousands of corn fields over the US Corn-Belt. <i>Field Crops Research</i> , 2019, 240, 12-22.	2.3	32
1775	Breeding improves wheat productivity under contrasting agrochemical input levels. <i>Nature Plants</i> , 2019, 5, 706-714.	4.7	194
1776	Carbon Sequestration: Pathway to Increased Agricultural Productivity and Zero Hunger for Developing Countries. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-13.	0.0	0
1777	Local Scale Prioritisation of Green Infrastructure for Enhancing Biodiversity in Peri-Urban Agroecosystems: A Multi-Step Process Applied in the Metropolitan City of Rome (Italy). <i>Sustainability</i> , 2019, 11, 3322.	1.6	22
1778	Lettuce (<i>Lactuca sativa</i> , variety Salanova) production in decoupled aquaponic systems: Same yield and similar quality as in conventional hydroponic systems but drastically reduced greenhouse gas emissions by saving inorganic fertilizer. <i>PLoS ONE</i> , 2019, 14, e0218368.	1.1	37
1779	Global Patterns of Crop Production Losses Associated with Droughts from 1983 to 2009. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 1233-1244.	0.6	158
1780	Evaluation of common bean (<i>Phaseolus vulgaris</i> L.) seed yield and qualitative production of the essential oils from fennel (<i>Foeniculum vulgare</i> Mill.) and dragonhead (<i>Dracocephalum moldavica</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 4.6 41 112-122.		
1781	Babylon Vertical Farms: Toward Sustainable Green Organization. , 2019, , 89-101.		0
1782	The Economics of the Naturalist Food Paradigm. <i>Annual Review of Resource Economics</i> , 2019, 11, 217-236.	1.5	10
1783	The Pedological Context Modulates the Response of Soil Microbial Communities to Agroecological Management. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	13
1784	Phosphorus use efficiency and crop production: Patterns of regional variation in the United States, 1987â€“2012. <i>Science of the Total Environment</i> , 2019, 685, 174-188.	3.9	32
1785	Resetting the table for people and plants: Botanic gardens and research organizations collaborate to address food and agricultural plant blindness. <i>Plants People Planet</i> , 2019, 1, 157-163.	1.6	21
1786	Automated morphological traits extraction for sorghum plants via 3D point cloud data analysis. <i>Computers and Electronics in Agriculture</i> , 2019, 162, 951-961.	3.7	52
1787	A novel energy systems model to explore the role of land use and reforestation in achieving carbon mitigation targets: A Brazil case study. <i>Journal of Cleaner Production</i> , 2019, 232, 796-821.	4.6	27
1788	Nanobiotechnology approaches for engineering smart plant sensors. <i>Nature Nanotechnology</i> , 2019, 14, 541-553.	15.6	337
1789	Effects of protected area establishment and cash crop price dynamics on land use transitions 1990â€“2017 in north-eastern Madagascar. <i>Journal of Land Use Science</i> , 2019, 14, 52-80.	1.0	46

#	ARTICLE	IF	CITATIONS
1790	Emerging human infectious diseases and the links to global food production. <i>Nature Sustainability</i> , 2019, 2, 445-456.	11.5	362
1791	Limits to agricultural land for retaining acceptable levels of local biodiversity. <i>Nature Sustainability</i> , 2019, 2, 491-498.	11.5	18
1792	Monitoring the Sustainable Intensification of Arable Agriculture: the Potential Role of Earth Observation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 81, 125-136.	1.4	8
1793	Genomic Designing of Climate-Smart Pulse Crops. , 2019, , .		5
1794	Identification of Ideal Allele Combinations for the Adaptation of Spring Barley to Northern Latitudes. <i>Frontiers in Plant Science</i> , 2019, 10, 542.	1.7	10
1795	One health and the agricultural transition in food animal production. <i>Global Transitions</i> , 2019, 1, 83-92.	1.6	13
1796	Prevalent Mycotoxins in Animal Feed: Occurrence and Analytical Methods. <i>Toxins</i> , 2019, 11, 290.	1.5	136
1797	Challenges and Future Perspectives of Multi-/Hyperspectral Thermal Infrared Remote Sensing for Crop Water-Stress Detection: A Review. <i>Remote Sensing</i> , 2019, 11, 1240.	1.8	149
1798	Climate change has likely already affected global food production. <i>PLoS ONE</i> , 2019, 14, e0217148.	1.1	470
1799	Understanding food systems drivers: A critical review of the literature. <i>Global Food Security</i> , 2019, 23, 149-159.	4.0	90
1800	Sunlight-driven recycling to increase nutrient use-efficiency in agriculture. <i>Algal Research</i> , 2019, 41, 101554.	2.4	12
1801	Genome Editing, Gene Drives, and Synthetic Biology: Will They Contribute to Disease-Resistant Crops, and Who Will Benefit?. <i>Annual Review of Phytopathology</i> , 2019, 57, 165-188.	3.5	64
1802	Biodiversity loss in deforestation frontiers: Linking occupancy modelling and physiological stress indicators to understand local extinctions. <i>Biological Conservation</i> , 2019, 236, 281-288.	1.9	27
1803	Remediation of heavy metal contaminated soil by asymmetrical alternating current electrochemistry. <i>Nature Communications</i> , 2019, 10, 2440.	5.8	156
1804	Agriculture, Forestry and Environmental Sustainability: A Way Forward. , 2019, , 1-29.		1
1805	Short-term Impacts of Conservation Agriculture on Soil Physical Properties and Productivity in the Midhills of Nepal. <i>Agronomy Journal</i> , 2019, 111, 2128-2139.	0.9	10
1806	Why nonconventional materials are answers for sustainable agriculture. <i>MRS Energy & Sustainability</i> , 2019, 6, 1.	1.3	20
1807	Genomic Designing for Climate-Smart Pea. , 2019, , 265-358.		3

#	ARTICLE	IF	CITATIONS
1808	Monitoring policy-driven crop area adjustments in northeast China using Landsat-8 imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 82, 101892.	1.4	25
1809	Scanner-Based Minirhizotrons Help to Highlight Relations between Deep Roots and Yield in Various Wheat Cultivars under Combined Water and Nitrogen Deficit Conditions. <i>Agronomy</i> , 2019, 9, 297.	1.3	19
1810	Magnetic Nanostructures. <i>Nanotechnology in the Life Sciences</i> , 2019, , .	0.4	19
1811	Driving forces of nitrogen flows and nitrogen use efficiency of food systems in seven Chinese cities, 1990 to 2015. <i>Science of the Total Environment</i> , 2019, 676, 144-154.	3.9	24
1812	Achieving Sustainable Development Goals in the global food sector: A systematic literature review to examine small farmers engagement in contract farming. <i>Business Strategy and Development</i> , 2019, 2, 276-289.	2.2	17
1813	A multi-scale analysis of interregional sustainability: Applied to Israel's food supply. <i>Science of the Total Environment</i> , 2019, 676, 524-534.	3.9	12
1814	Imbalanced Soil Chemical Properties and Mineral Nutrition in Relation to Growth and Yield Decline of Sesame on Different Continuously Cropped Upland Fields Converted Paddy. <i>Agronomy</i> , 2019, 9, 184.	1.3	16
1815	Does fertilization impact production risk and yield stability across an entire crop rotation? Insights from a long-term experiment. <i>Field Crops Research</i> , 2019, 238, 82-92.	2.3	17
1816	Molecular and Biotechnological Tools in Developing Abiotic Stress Tolerance in Wheat. , 2019, , 283-341.		1
1817	Meta-Omics Approach to Unravel the Endophytic Bacterial Communities of <i>Brassica napus</i> and Other Agronomically Important Crops in Response to Agricultural Practices. , 2019, , 232-249.		4
1818	Global change-driven modulation of bottom-up forces and cascading effects on biocontrol services. <i>Current Opinion in Insect Science</i> , 2019, 35, 27-33.	2.2	32
1819	Targeting Plant Hormones to Develop Abiotic Stress Resistance in Wheat. , 2019, , 557-577.		31
1820	Genetic dissection of drought and heat-responsive agronomic traits in wheat. <i>Plant, Cell and Environment</i> , 2019, 42, 2540-2553.	2.8	100
1821	The global nexus of food-water sustaining environmental flows by 2050. <i>Nature Sustainability</i> , 2019, 2, 499-507.	11.5	161
1822	Eco-intensification through soil carbon sequestration: Harnessing ecosystem services and advancing sustainable development goals. <i>Journal of Soils and Water Conservation</i> , 2019, 74, 55A-61A.	0.8	39
1823	Optimized agronomic management as a double-win option for higher maize productivity and less global warming intensity: A case study of Northeastern China. <i>Advances in Agronomy</i> , 2019, , 251-292.	2.4	18
1824	Spatial variability in regional scale drought index insurance viability across Australia's wheat growing regions. <i>Climate Risk Management</i> , 2019, 24, 13-29.	1.6	17
1825	Lessons from the past and the future of food. <i>World Archaeology</i> , 2019, 51, 1-16.	0.5	20

#	ARTICLE	IF	CITATIONS
1826	Pathways for recent Cerrado soybean expansion: extending the soy moratorium and implementing integrated crop livestock systems with soybeans. <i>Environmental Research Letters</i> , 2019, 14, 044029.	2.2	36
1827	Land Use Scenarios and Their Effect on Potential Crop Production: The Case of Gambella Region, Ethiopia. <i>Agriculture (Switzerland)</i> , 2019, 9, 105.	1.4	5
1828	High-Throughput Phenotyping Analysis of Potted Soybean Plants Using Colorized Depth Images Based on A Proximal Platform. <i>Remote Sensing</i> , 2019, 11, 1085.	1.8	22
1829	Green manures of Indian mustard and wild rocket enhance cucumber resistance to <i>Fusarium</i> wilt through modulating rhizosphere bacterial community composition. <i>Plant and Soil</i> , 2019, 441, 283-300.	1.8	26
1830	Projected social costs of CO2 emissions from forest losses far exceed the sequestration benefits of forest gains under global change. <i>Ecosystem Services</i> , 2019, 37, 100935.	2.3	13
1831	Fungi-based biopesticides: shelf-life preservation technologies used in commercial products. <i>Journal of Pest Science</i> , 2019, 92, 1003-1015.	1.9	31
1832	Plant-based materials and transitioning to a circular economy. <i>Sustainable Production and Consumption</i> , 2019, 19, 194-215.	5.7	149
1833	Co-benefits of intercropping as a sustainable farming method for safeguarding both food security and air quality. <i>Environmental Research Letters</i> , 2019, 14, 044011.	2.2	37
1834	Sustainability Policy Research: A Review and Synthesis. <i>Policy Studies Journal</i> , 2019, 47, S45.	3.2	15
1835	Cattle Production for Exports in Water-Abundant Areas: The Case of Finland. <i>Sustainability</i> , 2019, 11, 1075.	1.6	6
1836	Sensory and functional quality characterization of protected designation of origin "Piennolo del Vesuvio" cherry tomato landraces from Campania-Italy. <i>Food Chemistry</i> , 2019, 292, 166-175.	4.2	48
1837	Spatio-Temporal Dynamics of Maize Potential Yield and Yield Gaps in Northeast China from 1990 to 2015. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1211.	1.2	16
1838	Enhancing naked oat (<i>Avena nuda</i> L.) productivity with minimal indirect nitrogen loss and maximum nitrogen use efficiency through integrated use of different nitrogen sources. <i>PLoS ONE</i> , 2019, 14, e0213808.	1.1	5
1839	Factors affecting farmers' adoption of integrated pest management in Serbia: An application of the theory of planned behavior. <i>Journal of Cleaner Production</i> , 2019, 228, 1196-1205.	4.6	83
1840	The Shadow Price of Irrigation Water in Major Groundwater-Depleting Countries. <i>Water Resources Research</i> , 2019, 55, 4266-4287.	1.7	54
1841	Synchronized failure of global crop production. <i>Nature Ecology and Evolution</i> , 2019, 3, 780-786.	3.4	75
1842	Stomatal Development and Perspectives toward Agricultural Improvement. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a034660.	2.3	37
1843	Field-Based High-Throughput Phenotyping for Maize Plant Using 3D LiDAR Point Cloud Generated With a Phenomobile. <i>Frontiers in Plant Science</i> , 2019, 10, 554.	1.7	75

#	ARTICLE	IF	CITATIONS
1844	Pedology and soil class mapping from proximal and remote sensed data. <i>Geoderma</i> , 2019, 348, 189-206.	2.3	32
1845	Effects of diet on gut microbiota of soil collembolans. <i>Science of the Total Environment</i> , 2019, 676, 197-205.	3.9	28
1846	Genome-Wide Analyses Reveal Footprints of Divergent Selection and Drought Adaptive Traits in Synthetic-Derived Wheats. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1957-1973.	0.8	53
1847	Pollination contribution to crop yield is often context-dependent: A review of experimental evidence. <i>Agriculture, Ecosystems and Environment</i> , 2019, 280, 16-23.	2.5	62
1848	Addressing global environmental megatrends by decoupling the causal chain through floating infrastructure. <i>Futures</i> , 2019, 113, 102420.	1.4	3
1849	Meat alternatives: an integrative comparison. <i>Trends in Food Science and Technology</i> , 2019, 88, 505-512.	7.8	229
1850	Phenotypic variation of cassava root traits and their responses to drought. <i>Applications in Plant Sciences</i> , 2019, 7, e01238.	0.8	27
1851	Biodiversity and agriculture. , 2019, , 39-59.		1
1852	Using environmental metrics to promote sustainability and resilience in agriculture. , 2019, , 340-361.		0
1853	Yield gaps in intensive rice-maize cropping sequences in the humid tropics of Indonesia. <i>Field Crops Research</i> , 2019, 237, 12-22.	2.3	29
1854	Optimum N rate for grain yield coincides with minimum greenhouse gas intensity in flooded rice fields. <i>Field Crops Research</i> , 2019, 237, 23-31.	2.3	24
1855	Ethephon Improved Stalk Strength of Maize (<i>Zea Mays</i> L.) Mainly through Altering Internode Morphological Traits to Modulate Mechanical Properties under Field Conditions. <i>Agronomy</i> , 2019, 9, 186.	1.3	15
1856	Precision Farming at the Nexus of Agricultural Production and the Environment. <i>Annual Review of Resource Economics</i> , 2019, 11, 313-335.	1.5	213
1857	Residual effects of fertilizer N response to split N applications in semiarid farmland. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 114, 99-110.	1.1	5
1858	Knowledge domain and emerging trends of agricultural waste management in the field of social science: A scientometric review. <i>Science of the Total Environment</i> , 2019, 670, 236-244.	3.9	82
1859	Applications of CRISPR Technologies Across the Food Supply Chain. <i>Annual Review of Food Science and Technology</i> , 2019, 10, 133-150.	5.1	38
1860	Agricultural Productivity and Forest Conservation: Evidence from the Brazilian Amazon. <i>American Journal of Agricultural Economics</i> , 2019, 101, 919-940.	2.4	53
1861	Model-Driven Multidisciplinary Global Research to Meet Future Needs: The Case for Improving Radiation Use Efficiency to Increase Yield. <i>Crop Science</i> , 2019, 59, 843-849.	0.8	9

#	ARTICLE	IF	CITATIONS
1863	Improving resource productivity at a crop sequence level. <i>Field Crops Research</i> , 2019, 235, 129-141.	2.3	36
1864	Evolutionary epidemiology predicts the emergence of glyphosate resistance in a major agricultural weed. <i>New Phytologist</i> , 2019, 223, 1584-1594.	3.5	32
1865	Nitrogen Uptake and Response to Radiation Distribution in the Canopy of High-Yield Maize. <i>Crop Science</i> , 2019, 59, 1236-1247.	0.8	33
1866	Telecoupling. , 2019, , .		20
1867	Plant-parasitic nematode management via biofumigation using brassica and non-brassica plants: Current status and future prospects. <i>Current Plant Biology</i> , 2019, 17, 17-32.	2.3	104
1868	CRISPR/Cas Genome Editing and Precision Plant Breeding in Agriculture. <i>Annual Review of Plant Biology</i> , 2019, 70, 667-697.	8.6	959
1869	Intraspecific variation in sensitivity of high yielding rice varieties towards UV-B radiation. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 727-740.	1.4	7
1870	Predicting dark respiration rates of wheat leaves from hyperspectral reflectance. <i>Plant, Cell and Environment</i> , 2019, 42, 2133-2150.	2.8	54
1871	CRISPR/Cas9-mediated knockout of <i>Ms1</i> enables the rapid generation of male-sterile hexaploid wheat lines for use in hybrid seed production. <i>Plant Biotechnology Journal</i> , 2019, 17, 1905-1913.	4.1	125
1872	Impact of Texture Information on Crop Classification with Machine Learning and UAV Images. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 643.	1.3	78
1873	Estimating Crop Nutritional Status Using Smart Apps to Support Nitrogen Fertilization. A Case Study on Paddy Rice. <i>Sensors</i> , 2019, 19, 981.	2.1	15
1874	Routes to achieving sustainable intensification in simulated dairy farms: The importance of production efficiency and complimentary land uses. <i>Journal of Applied Ecology</i> , 2019, 56, 1128-1139.	1.9	4
1875	Responses of indica rice yield and quality to extreme high and low temperatures during the reproductive period. <i>European Journal of Agronomy</i> , 2019, 106, 30-38.	1.9	42
1876	Isolation and characterisation of the antifungal activity of the cowpea defensin Cp-thionin II. <i>Food Microbiology</i> , 2019, 82, 504-514.	2.1	25
1877	Simulating the influence of integrated crop-livestock systems on water yield at watershed scale. <i>Journal of Environmental Management</i> , 2019, 239, 385-394.	3.8	11
1878	Distinct responses of soil fungal and bacterial nitrate immobilization to land conversion from forest to agriculture. <i>Soil Biology and Biochemistry</i> , 2019, 134, 81-89.	4.2	37
1879	Role of economics in analyzing the environment and sustainable development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5233-5238.	3.3	128
1880	Economics of Farm Input Subsidies in Africa. <i>Annual Review of Resource Economics</i> , 2019, 11, 501-522.	1.5	20

#	ARTICLE	IF	CITATIONS
1881	Diversifying livestock promotes multidiversity and multifunctionality in managed grasslands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6187-6192.	3.3	219
1882	Food and Earth Systems: Priorities for Climate Change Adaptation and Mitigation for Agriculture and Food Systems. Sustainability, 2019, 11, 1372.	1.6	87
1883	Environmental efficiency in the agricultural sector of Latin America and the Caribbean 1990â€“2015: Are greenhouse gas emissions reducing while agricultural production is increasing?. Ecological Indicators, 2019, 102, 338-348.	2.6	20
1884	Can agricultural intensification help attain Sustainable Development Goals? Evidence from Africa and Asia. Third World Quarterly, 2019, 40, 926-946.	1.3	16
1885	Land speculation and conservation policy leakage in Brazil. Environmental Research Letters, 2019, 14, 045006.	2.2	38
1886	A review of global-local-global linkages in economic land-use/cover change models. Environmental Research Letters, 2019, 14, 053003.	2.2	40
1887	Nitrogen differentially modulates photosynthesis, carbon allocation and yield related traits in two contrasting Capsicum chinense cultivars. Plant Science, 2019, 283, 224-237.	1.7	26
1888	Stability analysis of a thin film on a rotating cylinder with low airflow. Physics of Fluids, 2019, 31, .	1.6	3
1889	Prioritizing land for investments based on short- and long-term land potential and degradation risk: A strategic approach. Environmental Science and Policy, 2019, 96, 52-58.	2.4	16
1890	Effects of green seaweed extract on Arabidopsis early development suggest roles for hormone signalling in plant responses to algal fertilisers. Scientific Reports, 2019, 9, 1983.	1.6	49
1891	Remote prediction of yield based on LAI estimation in oilseed rape under different planting methods and nitrogen fertilizer applications. Agricultural and Forest Meteorology, 2019, 271, 116-125.	1.9	66
1892	Multispectral imaging and unmanned aerial systems for cotton plant phenotyping. PLoS ONE, 2019, 14, e0205083.	1.1	55
1893	Profiling the Abiotic Stress Responsive microRNA Landscape of Arabidopsis thaliana. Plants, 2019, 8, 58.	1.6	48
1894	Prospects of orphan crops in climate change. Planta, 2019, 250, 695-708.	1.6	156
1895	Rice intensification in Bangladesh improves economic and environmental welfare. Environmental Science and Policy, 2019, 95, 46-57.	2.4	55
1896	Animal movement varies with resource availability, landscape configuration and body size: a conceptual model and empirical example. Landscape Ecology, 2019, 34, 603-614.	1.9	28
1897	Cropping Systems: Shaping Nature. , 2019, , 401-424.		0
1898	Role of Selective Exogenous Elicitors in Plant Responses to Abiotic Stress Tolerance. , 2019, , 273-290.		25

#	ARTICLE	IF	CITATIONS
1899	The global economic costs of substituting dietary protein from fish with meat, grains and legumes, and dairy. <i>Journal of Industrial Ecology</i> , 2019, 23, 1159-1171.	2.8	8
1900	Eco-efficiency and agricultural innovation systems in developing countries: Evidence from macro-level analysis. <i>PLoS ONE</i> , 2019, 14, e0214115.	1.1	34
1901	Soil microbiome: a key player for conservation of soil health under changing climate. <i>Biodiversity and Conservation</i> , 2019, 28, 2405-2429.	1.2	183
1902	Yield stability analysis reveals sources of large-scale nitrogen loss from the US Midwest. <i>Scientific Reports</i> , 2019, 9, 5774.	1.6	72
1903	Identifying agronomic options for better potato production and conserving water resources in the agro-pastoral ecotone in North China. <i>Agricultural and Forest Meteorology</i> , 2019, 272-273, 91-101.	1.9	24
1904	Agroforestry creates carbon sinks whilst enhancing the environment in agricultural landscapes in Europe. <i>Land Use Policy</i> , 2019, 83, 581-593.	2.5	121
1905	Transcriptional and Metabolomic Analyses Indicate that Cell Wall Properties are Associated with Drought Tolerance in <i>Brachypodium distachyon</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 1758.	1.8	21
1906	The Regulatory Signaling of Gibberellin Metabolism and Its Crosstalk With Phytohormones in Response to Plant Abiotic Stresses. , 2019, , 333-339.		18
1907	Effect of arbuscular mycorrhizal fungi on soil enzyme activity is coupled with increased plant biomass. <i>European Journal of Soil Science</i> , 2020, 71, 84-92.	1.8	51
1908	Evaluating Leaf Wax and Bulk Leaf Carbon Isotope Surrogates for Water Use Efficiency and Grain Yield in Winter Wheat. <i>Crop Science</i> , 2019, 59, 718-732.	0.8	6
1909	Telecoupling and Consumption in Agri-Food Systems. , 2019, , 115-137.		10
1910	Air-quality-related health damages of maize. <i>Nature Sustainability</i> , 2019, 2, 397-403.	11.5	73
1911	Is Grassfed Meat and Dairy Better for Human and Environmental Health?. <i>Frontiers in Nutrition</i> , 2019, 6, 26.	1.6	59
1912	Modeling postharvest loss and water and energy use in Florida tomato operations. <i>Postharvest Biology and Technology</i> , 2019, 153, 61-68.	2.9	12
1913	Ultrasensitive and Rapid-Response Sensor for the Electrochemical Detection of Antibiotic Residues within Meat Samples. <i>ACS Omega</i> , 2019, 4, 6324-6330.	1.6	34
1914	Potential net primary production footprint of agriculture: A global trade analysis. <i>Journal of Industrial Ecology</i> , 2019, 23, 1133-1142.	2.8	26
1915	Northward shift of historical methane emission hotspots from the livestock sector in China and assessment of potential mitigation options. <i>Agricultural and Forest Meteorology</i> , 2019, 272-273, 1-11.	1.9	24
1916	Production intensity in dairy farming and its relationship with farm environmental performance: Empirical evidence from the Swiss alpine area. <i>Livestock Science</i> , 2019, 224, 10-19.	0.6	6

#	ARTICLE	IF	CITATIONS
1917	Sustainable Pathways for Meeting Future Food Demand. , 2019, , 14-20.		5
1918	Green entrepreneurial farming: A dream or reality?. <i>Journal of Cleaner Production</i> , 2019, 220, 1131-1142.	4.6	35
1919	Application of geochemical techniques for prospecting unconventional phosphate sources: A case study of the lake sediments in Eppawala area Sri Lanka. <i>Journal of Geochemical Exploration</i> , 2019, 201, 113-124.	1.5	13
1920	Dynamic leaf energy balance: deriving stomatal conductance from thermal imaging in a dynamic environment. <i>Journal of Experimental Botany</i> , 2019, 70, 2839-2855.	2.4	61
1921	Identification of Quantitative Trait Loci Associated with Nutrient Use Efficiency Traits, Using SNP Markers in an Early Backcross Population of Rice (<i>Oryza sativa</i> L.). <i>International Journal of Molecular Sciences</i> , 2019, 20, 900.	1.8	26
1922	The potential of indigenous agricultural food production under climate change in HawaiË»i. <i>Nature Sustainability</i> , 2019, 2, 191-199.	11.5	45
1923	Environmental Impact and Carbon Footprint Assessment of Taiwanese Agricultural Products: A Case Study on Taiwanese Dongshan Tea. <i>Energies</i> , 2019, 12, 138.	1.6	12
1924	Widespread Distribution of Highly Adapted Bradyrhizobium Species Nodulating Diverse Legumes in Africa. <i>Frontiers in Microbiology</i> , 2019, 10, 310.	1.5	51
1925	Can Intensification of Cattle Ranching Reduce Deforestation in the Amazon? Insights From an Agent-based Social-Ecological Model. <i>Ecological Economics</i> , 2019, 159, 198-211.	2.9	28
1926	Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. <i>Water (Switzerland)</i> , 2019, 11, 273.	1.2	61
1927	LiDARPheno â€” A Low-Cost LiDAR-Based 3D Scanning System for Leaf Morphological Trait Extraction. <i>Frontiers in Plant Science</i> , 2019, 10, 147.	1.7	30
1928	Farmersâ€™ vulnerability to global change in Navarre, Spain: large-scale irrigation as maladaptation. <i>Regional Environmental Change</i> , 2019, 19, 1147-1158.	1.4	14
1929	An LCA impact assessment model linking land occupation and malnutrition-related DALYs. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 1620-1630.	2.2	8
1930	Farmers as data sources: Cooperative framework for mapping soil properties for permanent crops in South Tyrol (Northern Italy). <i>Geoderma</i> , 2019, 342, 93-105.	2.3	20
1931	Climate Change, Agriculture and Food Security. , 2019, , 55-74.		40
1932	Constructing Synthetic Pathways in Plants. , 2019, , 77-113.		1
1933	Linking Autophagy to Abiotic and Biotic Stress Responses. <i>Trends in Plant Science</i> , 2019, 24, 413-430.	4.3	203
1934	â€œWild barley serves as a source for biofortification of barley grainsâ€• <i>Plant Science</i> , 2019, 283, 83-94.	1.7	33

#	ARTICLE	IF	CITATIONS
1935	Feeding the world: improving photosynthetic efficiency for sustainable crop production. <i>Journal of Experimental Botany</i> , 2019, 70, 1119-1140.	2.4	333
1936	Climate-associated rice yield change in the Northeast China Plain: A simulation analysis based on CMIP5 multi-model ensemble projection. <i>Science of the Total Environment</i> , 2019, 666, 126-138.	3.9	51
1937	Photosynthetic Characteristics and Uptake and Translocation of Nitrogen in Peanut in a Wheat-Peanut Rotation System Under Different Fertilizer Management Regimes. <i>Frontiers in Plant Science</i> , 2019, 10, 86.	1.7	39
1938	Advances in understanding salt tolerance in rice. <i>Theoretical and Applied Genetics</i> , 2019, 132, 851-870.	1.8	148
1939	Upcycling food leftovers and grass resources through livestock: Impact of livestock system and productivity. <i>Journal of Cleaner Production</i> , 2019, 219, 485-496.	4.6	69
1940	Environmental sustainability of anaerobic digestion of household food waste. <i>Journal of Environmental Management</i> , 2019, 236, 798-814.	3.8	159
1941	Mission Planning and Ortho-mosaicking of UAS Imagery for Remote Sensing in Precision Agriculture on Winter Wheat and a Subsurface Drip Irrigated (SDI) Corn Field. , 2019, , .		0
1942	A Regional Assessment of Four Green Manure/Cover Crop Species Suited to Tropical Southeast Asia. <i>Journal of Agricultural Studies</i> , 2019, 7, 103.	0.2	1
1943	The effect of foliar fertilizing on ecological optimization of the application of fungicides on the productivity and phenolic complex composition of grapes. <i>BIO Web of Conferences</i> , 2019, 15, 01012.	0.1	8
1944	The Bioeconomy: An Opportunity for the Spanish Economy. , 0, , .		2
1945	Immediate and latent effects of drying soybeans with dehydrated air. <i>Acta Scientiarum - Agronomy</i> , 2019, 41, e42706.	0.6	1
1946	Acute toxicity of two pyrethroid insecticides for five non-indigenous crayfish species in Europe. <i>Veterinari Medicina</i> , 2019, 64, 125-133.	0.2	13
1947	R&D Expenditure for New Technology in Livestock Farming: Impact on GHG Reduction in Developing Countries. <i>Sustainability</i> , 2019, 11, 7129.	1.6	3
1948	Crop production kept stable and sustainable with the decrease of nitrogen rate in North China Plain: An economic and environmental assessment over 8 years. <i>Scientific Reports</i> , 2019, 9, 19335.	1.6	11
1949	Stakeholder Mapping of Controlled Environment Agriculture Utilizing the Technological Innovation System Framework. , 2019, , .		0
1950	Prospects for Agricultural Sustainable Intensification: A Review of Research. <i>Land</i> , 2019, 8, 157.	1.2	82
1951	Domestication in Real Time: The Curious Case of a Trigenomic Sunflower Population. <i>Agronomy</i> , 2019, 9, 704.	1.3	1
1952	A novel approach to the sustainable financing of the global restoration of degraded agricultural land. <i>Environmental Research Letters</i> , 2019, 14, 124084.	2.2	9

#	ARTICLE	IF	CITATIONS
1953	Agriculture, forestry and other land uses in Nationally Determined Contributions: the outlook for Africa. <i>International Forestry Review</i> , 2019, 21, 1-11.	0.3	4
1954	High-throughput Approaches for Phenotyping Alfalfa Germplasm under Abiotic Stress in the Field. <i>The Plant Phenome Journal</i> , 2019, 2, 1-13.	1.0	17
1956	Field corn yield in response to humic acids application in the absence or presence of liming and mineral fertilization. <i>Semina:Ciencias Agrarias</i> , 2019, 40, 3299.	0.1	3
1957	Identification and Functional Prediction of Drought-Responsive Long Non-Coding RNA in Tomato. <i>Agronomy</i> , 2019, 9, 629.	1.3	25
1958	Effects of Nitrogen Management on Biomass Production and Dry Matter Distribution of Processing Tomato Cropped in Southern Italy. <i>Agronomy</i> , 2019, 9, 855.	1.3	30
1959	Mixed-Cropping Between Field Pea Varieties Alters Root Bacterial and Fungal Communities. <i>Scientific Reports</i> , 2019, 9, 16953.	1.6	31
1960	Manipulating osa-MIR156f Expression by D18 Promoter to Regulate Plant Architecture and Yield Traits both in Seasonal and Ratoon Rice. <i>Biological Procedures Online</i> , 2019, 21, 21.	1.4	8
1961	Impacts of small-scale chicken farming activity on antimicrobial-resistant <i>Escherichia coli</i> carriage in backyard chickens and children in rural Ecuador. <i>One Health</i> , 2019, 8, 100112.	1.5	17
1962	Using Carbon Isotope Discrimination to Assess Genotypic Differences in Drought Resistance of Parental Lines of Common Bean. <i>Crop Science</i> , 2019, 59, 2153-2166.	0.8	12
1963	Blockchain Implementation for Analysis of Carbon Footprint across Food Supply Chain. , 2019, , .		26
1964	A social-ecological analysis of the global agrifood system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26465-26473.	3.3	40
1965	Highly water soluble agrichemicals by using engineered organic salts for reducing adverse environmental impacts. <i>Green Chemistry</i> , 2019, 21, 6419-6429.	4.6	11
1966	Farming Reimagined: A case study of autonomous farm equipment and creating an innovation opportunity space for broadacre smart farming. <i>Njas - Wageningen Journal of Life Sciences</i> , 2019, 90-91, 1-23.	7.9	29
1967	Cyclic Yield Stability of Ley Farming System in Northern Quebec. <i>Agronomy Journal</i> , 2019, 111, 3310-3319.	0.9	3
1968	High resolution crop intensity mapping using harmonized Landsat-8 and Sentinel-2 data. <i>Journal of Integrative Agriculture</i> , 2019, 18, 2883-2897.	1.7	40
1969	Computational modelling predicts substantial carbon assimilation gains for C3 plants with a single-celled C4 biochemical pump. <i>PLoS Computational Biology</i> , 2019, 15, e1007373.	1.5	6
1970	Estimating Factors Related to Fluoroquinolone Resistance Based on One Health Perspective: Static and Dynamic Panel Data Analyses From Europe. <i>Frontiers in Pharmacology</i> , 2019, 10, 1145.	1.6	10
1971	Bacteria with Different Assemblages in the Soil Profile Drive the Diverse Nutrient Cycles in the Sugarcane Straw Retention Ecosystem. <i>Diversity</i> , 2019, 11, 194.	0.7	36

#	ARTICLE	IF	CITATIONS
1972	DESIGN AND DEVELOPMENT OF SMART VERTICAL GARDEN SYSTEM FOR URBAN AGRICULTURE INITIATIVE IN MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2019, 82, .	0.3	2
1973	Variations in Greenhouse Gas Fluxes in Response to Short-Term Changes in Weather Variables at Three Elevation Ranges, Wakiso District, Uganda. <i>Atmosphere</i> , 2019, 10, 708.	1.0	8
1974	Finding a Suitable Niche for Cultivating Cactus Pear (<i>Opuntia ficus-indica</i>) as an Integrated Crop in Resilient Dryland Agroecosystems of India. <i>Sustainability</i> , 2019, 11, 5897.	1.6	11
1975	Energy Consumption, Carbon Emissions and Global Warming Potential of Wolfberry Production in Jingtai Oasis, Gansu Province, China. <i>Environmental Management</i> , 2019, 64, 772-782.	1.2	12
1976	Combating early blight infection by employing <i>Bacillus subtilis</i> in combination with plant fertilizers. <i>Current Plant Biology</i> , 2019, 20, 100125.	2.3	22
1977	The Microbiome of Fruit Flies as Novel Targets for Pest Management. <i>ACS Symposium Series</i> , 2019, , 1-37.	0.5	5
1978	Genetic Engineering for Global Food Security: Photosynthesis and Biofortification. <i>Plants</i> , 2019, 8, 586.	1.6	35
1979	The impact of agricultural interventions can be doubled by using satellite data. <i>Nature Sustainability</i> , 2019, 2, 931-934.	11.5	37
1980	Piecewise wet and dry spell duration-number relationship and possible climate change impact identification in Turkey. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	6
1981	Gene Transmission in the One Health Microbiosphere and the Channels of Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2019, 10, 2892.	1.5	66
1982	When food systems meet sustainability – Current narratives and implications for actions. <i>World Development</i> , 2019, 113, 116-130.	2.6	377
1983	Reducing basal nitrogen rate to improve maize seedling growth, water and nitrogen use efficiencies under drought stress by optimizing root morphology and distribution. <i>Agricultural Water Management</i> , 2019, 212, 328-337.	2.4	72
1984	Increasing crop yields and root input make Canadian farmland a large carbon sink. <i>Geoderma</i> , 2019, 336, 49-58.	2.3	33
1985	Insect meals in fish nutrition. <i>Reviews in Aquaculture</i> , 2019, 11, 1080-1103.	4.6	198
1986	Assessment of promising agricultural management practices. <i>Science of the Total Environment</i> , 2019, 649, 610-619.	3.9	38
1987	Phosphorus footprint in China over the 1961–2050 period: Historical perspective and future prospect. <i>Science of the Total Environment</i> , 2019, 650, 687-695.	3.9	50
1988	History, current situation and challenges for conservation biological control. <i>Biological Control</i> , 2019, 131, 25-35.	1.4	79
1989	Optimised nitrogen allocation favours improvement in canopy photosynthetic nitrogen-use efficiency: Evidence from late-sown winter wheat. <i>Environmental and Experimental Botany</i> , 2019, 159, 75-86.	2.0	46

#	ARTICLE	IF	CITATIONS
1990	The effects of controlled release urea on maize productivity and reactive nitrogen losses: A meta-analysis. <i>Environmental Pollution</i> , 2019, 246, 559-565.	3.7	120
1991	Yield advantage and nitrogen fate in an additive maize-soybean relay intercropping system. <i>Science of the Total Environment</i> , 2019, 657, 987-999.	3.9	84
1992	Nitrogen rate and plant density interaction enhances radiation interception, yield and nitrogen use efficiency of mechanically transplanted rice. <i>Agriculture, Ecosystems and Environment</i> , 2019, 269, 183-192.	2.5	57
1993	Irrigation leads to greater maize yield at higher water productivity and lower environmental costs: a global meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2019, 273, 62-69.	2.5	39
1994	Modelling fuzzy combination of remote sensing vegetation index for durum wheat crop analysis. <i>Computers and Electronics in Agriculture</i> , 2019, 156, 684-692.	3.7	26
1995	Cross-Biome Drivers of Soil Bacterial Alpha Diversity on a Worldwide Scale. <i>Ecosystems</i> , 2019, 22, 1220-1231.	1.6	71
1996	Soybean-maize succession in Brazil: Impacts of sowing dates on climate variability, yields and economic profitability. <i>European Journal of Agronomy</i> , 2019, 103, 140-151.	1.9	49
1997	Agricultural intensification, dietary diversity, and markets in the global food security narrative. <i>Global Food Security</i> , 2019, 20, 9-16.	4.0	125
1998	Ecological networks reveal resilience of agro-ecosystems to changes in farming management. <i>Nature Ecology and Evolution</i> , 2019, 3, 260-264.	3.4	24
1999	Update: Improving the Efficiency of Photosynthetic Carbon Reactions. <i>Plant Physiology</i> , 2019, 179, 803-812.	2.3	55
2000	Climate change impacts on rice productivity in the Mekong River Delta. <i>Applied Geography</i> , 2019, 102, 71-83.	1.7	78
2001	Spatial assessment of solar energy potential at global scale. A geographical approach. <i>Journal of Cleaner Production</i> , 2019, 209, 692-721.	4.6	110
2002	The role of energy-water nexus in water conservation at regional levels in China. <i>Journal of Cleaner Production</i> , 2019, 210, 298-308.	4.6	34
2003	Intra-annual reflectance composites from Sentinel-2 and Landsat for national-scale crop and land cover mapping. <i>Remote Sensing of Environment</i> , 2019, 220, 135-151.	4.6	307
2004	A Modeling Infrastructure Based on SWAT for the Assessment of Water and Soil Resources. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 162-176.	0.5	0
2005	Biodiversity and yield under different land-use types in orchard/vineyard landscapes: A meta-analysis. <i>Biological Conservation</i> , 2019, 229, 125-133.	1.9	38
2006	Timing and splitting of nitrogen fertilizer supply to increase crop yield and efficiency of nitrogen utilization in a wheat-peanut relay intercropping system in China. <i>Crop Journal</i> , 2019, 7, 101-112.	2.3	42
2007	Trade-offs and synergies between livestock production and other ecosystem services. <i>Agricultural Systems</i> , 2019, 168, 58-72.	3.2	37

#	ARTICLE	IF	CITATIONS
2008	Future Biochar Research Directions. , 2019, , 423-435.		4
2009	Ameliorative Mechanisms of Polyamines Against Abiotic Stress in the Rice Plants. , 2019, , 725-735.		8
2010	Morphological acclimation to agronomic manipulation in leaf dispersion and orientation to promote "aëoldeotype" breeding: Evidence from 3D visual modeling of "aëosuper" rice (<i>Oryza sativa</i> L.). Plant Physiology and Biochemistry, 2019, 135, 499-510.	2.8	32
2011	The Role of Food Marketing in Increasing Awareness of Food Security and Sustainability: Food Sustainability Branding. , 2019, , 27-31.		3
2012	Spatial analysis of energy use and GHG emissions from cereal production in India. Science of the Total Environment, 2019, 654, 841-849.	3.9	35
2013	Water quality improvements from implementation of tailwater recovery systems. Sustainable Water Resources Management, 2019, 5, 703-713.	1.0	6
2014	Crop yield sensitivity of global major agricultural countries to droughts and the projected changes in the future. Science of the Total Environment, 2019, 654, 811-821.	3.9	387
2015	Assessment of the sustainability of wild rocket (<i>Diplotaxis tenuifolia</i>) production: Application of a multi-criteria method to different farming systems in the province of Udine. Ecological Indicators, 2019, 97, 301-310.	2.6	8
2016	Cropland yield divergence over Africa and its implication for mitigating food insecurity. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 707-734.	1.0	4
2017	Gracilaria dura extract confers drought tolerance in wheat by modulating abscisic acid homeostasis. Plant Physiology and Biochemistry, 2019, 136, 143-154.	2.8	41
2018	Exploring Future Food Provision Scenarios for China. Environmental Science & Technology, 2019, 53, 1385-1393.	4.6	62
2019	Impact of nitrogen fertilization and tillage practices on nitrous oxide emission from a summer rice ecosystem. Archives of Agronomy and Soil Science, 2019, 65, 1493-1506.	1.3	11
2020	The effect of local land use on aerial insectivorous bats (Chiroptera) within the two dominating crop types in the Northern-Caribbean lowlands of Costa Rica. PLoS ONE, 2019, 14, e0210364.	1.1	12
2021	Influencing incentives for precision agricultural technologies within European arable farming systems. Environmental Science and Policy, 2019, 93, 66-74.	2.4	79
2022	The contributions of public policies for strengthening family farming and increasing food security: The case of Brazil. Land Use Policy, 2019, 82, 573-584.	2.5	45
2023	Approaching Ecological Sustainability in the Emerging Insects-as-Food Industry. Trends in Ecology and Evolution, 2019, 34, 132-138.	4.2	77
2024	"aëNature brings us extreme events, some people cause us prolonged sufferings" the role of good governance in building community resilience to natural disasters in Bangladesh. Journal of Environmental Planning and Management, 2019, 62, 1761-1781.	2.4	28
2025	Building bridges between agribusiness innovation and smallholder farmers: A review. Global Food Security, 2019, 20, 60-65.	4.0	36

#	ARTICLE	IF	CITATIONS
2026	Reducing ammonia volatilization from paddy field with rice straw derived biochar. <i>Science of the Total Environment</i> , 2019, 660, 512-518.	3.9	97
2027	Modeling the spatial distribution of grazing intensity in Kazakhstan. <i>PLoS ONE</i> , 2019, 14, e0210051.	1.1	28
2028	Agricultural Expansion in the Brazilian Cerrado: Increased Soil and Nutrient Losses and Decreased Agricultural Productivity. <i>Land</i> , 2019, 8, 12.	1.2	59
2029	Modelling predicts that soybean is poised to dominate crop production across Africa. <i>Plant, Cell and Environment</i> , 2019, 42, 373-385.	2.8	47
2030	Uncertainties in leaching assessment in micro-irrigated fields using water balance approach. <i>Agricultural Water Management</i> , 2019, 213, 107-115.	2.4	19
2031	Impact of catchment land use on fish community composition in the headwater areas of Elbe, Danube and Main. <i>Science of the Total Environment</i> , 2019, 652, 66-74.	3.9	45
2032	PARTICIPATORY EVALUATION OF IMPROVED GRASSES AND FORAGE LEGUMES FOR SMALLHOLDER LIVESTOCK PRODUCTION IN CENTRAL AMERICA. <i>Experimental Agriculture</i> , 2019, 55, 776-792.	0.4	7
2033	Current and Potential Contributions of Organic Agriculture to Diversification of the Food Production System. , 2019, , 435-452.		14
2034	Spatiotemporal differentiations of arable land use intensity – A comparative study of two typical grain producing regions in northern and southern China. <i>Journal of Cleaner Production</i> , 2019, 208, 1159-1170.	4.6	37
2035	Potential for mitigating global agricultural ammonia emission: A meta-analysis. <i>Environmental Pollution</i> , 2019, 245, 141-148.	3.7	148
2036	Cool Farm Tool Water: A global on-line tool to assess water use in crop production. <i>Journal of Cleaner Production</i> , 2019, 207, 1163-1179.	4.6	17
2037	Water-land nexus in food trade based on ecological network analysis. <i>Ecological Indicators</i> , 2019, 97, 466-475.	2.6	38
2038	The Effects of Mulch and Nitrogen Fertilizer on the Soil Environment of Crop Plants. <i>Advances in Agronomy</i> , 2019, , 121-173.	2.4	168
2039	Menadione sodium bisulphite (MSB): Beyond seed-soaking. Root pretreatment with MSB primes salt stress tolerance in tomato plants. <i>Environmental and Experimental Botany</i> , 2019, 157, 161-170.	2.0	23
2040	Management practices to improve economic benefit and decrease greenhouse gas intensity in a green onion-winter wheat relay intercropping system in the North China Plain. <i>Journal of Cleaner Production</i> , 2019, 208, 709-715.	4.6	16
2041	ZnO nanoparticles and zeolite influence soil nutrient availability but do not affect herbage nitrogen uptake from biogas slurry. <i>Chemosphere</i> , 2019, 216, 564-575.	4.2	47
2042	Estimating soil nitrate leaching of nitrogen fertilizer from global meta-analysis. <i>Science of the Total Environment</i> , 2019, 657, 96-102.	3.9	146
2043	Converging phenomics and genomics to study natural variation in plant photosynthetic efficiency. <i>Plant Journal</i> , 2019, 97, 112-133.	2.8	75

#	ARTICLE	IF	CITATIONS
2044	CropSNPdb: a database of SNP array data for Brassica crops and hexaploid bread wheat. <i>Plant Journal</i> , 2019, 98, 142-152.	2.8	21
2045	Ecosystem productivity response to environmental forcing, prospect for improved rain-fed cropping productivity in lake Kyoga Basin. <i>Applied Geography</i> , 2019, 102, 1-11.	1.7	10
2046	Climate change impact and adaptation for wheat protein. <i>Global Change Biology</i> , 2019, 25, 155-173.	4.2	312
2047	Editorial: Soil processes in mountain environments. <i>Science of the Total Environment</i> , 2019, 656, 701-708.	3.9	3
2048	Towards sustainable agriculture for the salt-affected soil. <i>Land Degradation and Development</i> , 2019, 30, 574-579.	1.8	41
2049	Ecological Intensification: Bridging the Gap between Science and Practice. <i>Trends in Ecology and Evolution</i> , 2019, 34, 154-166.	4.2	318
2050	CRISPR/Cas-mediated genome editing for crop improvement: current applications and future prospects. <i>Plant Biotechnology Reports</i> , 2019, 13, 1-10.	0.9	20
2051	Fertilizer Management Strategies for Enhancing Nutrient Use Efficiency and Sustainable Wheat Production. , 2019, , 17-39.		20
2052	Unintentional effects of environmentally-friendly farming practices: Arising conflicts between zero-tillage and a crop pest, the common vole (<i>Microtus arvalis</i>). <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 105-113.	2.5	22
2053	Genome-wide Mapping for Stripe Rust Resistance Loci in Common Wheat Cultivar Qinnong 142. <i>Plant Disease</i> , 2019, 103, 439-447.	0.7	38
2054	Engineered nanomaterials (ENMs) and their role at the nexus of Food, Energy, and Water. <i>Materials Science for Energy Technologies</i> , 2019, 2, 29-40.	1.0	44
2055	Changes in global cropland area and cereal production: An inter-country comparison. <i>Agriculture, Ecosystems and Environment</i> , 2019, 269, 140-147.	2.5	28
2056	High highs and low lows: Elucidating striking seasonal variability in pesticide use and its environmental implications. <i>Science of the Total Environment</i> , 2019, 651, 828-837.	3.9	29
2057	High-resolution morphologic characterization of conservation agriculture. <i>Catena</i> , 2019, 172, 846-856.	2.2	56
2060	Novel Foods: Insects - Technology. , 2019, , 289-293.		0
2061	Soil fertility assessment by Vis-NIR spectroscopy: Predicting soil functioning rather than availability indices. <i>Geoderma</i> , 2019, 337, 368-374.	2.3	33
2062	FAO guidelines and geospatial application for agroforestry suitability mapping: case study of Ranchi, Jharkhand state of India. <i>Agroforestry Systems</i> , 2019, 93, 531-544.	0.9	18
2063	Evaluating the Efficacy of Fertilisers Derived from Human Excreta in Agriculture and Their Perception in Antananarivo, Madagascar. <i>Waste and Biomass Valorization</i> , 2019, 10, 941-952.	1.8	22

#	ARTICLE	IF	CITATIONS
2064	Reducing the water cost in livestock with adoption of best practices. <i>Environment, Development and Sustainability</i> , 2019, 21, 2013-2023.	2.7	4
2065	Agricultural nature conservation in the Netherlands: Three lenses on transition pathways. <i>Technological Forecasting and Social Change</i> , 2020, 151, 119235.	6.2	8
2066	Assessing Environmental Impacts of Groundwater Irrigation Using the Life Cycle Assessment Method: Application to a Tunisian Arid Region. <i>Irrigation and Drainage</i> , 2020, 69, 117-125.	0.8	4
2067	Fertilizers, Grain Quality, and Nutrition-Related Human Ailments: An Overview. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 237-242.	0.4	0
2068	Digital world meets urban planet – new prospects for evidence-based urban studies arising from joint exploitation of big earth data, information technology and shared knowledge. <i>International Journal of Digital Earth</i> , 2020, 13, 136-157.	1.6	19
2069	Landscape perception: linking physical monitoring data to perceived landscape properties. <i>Landscape Research</i> , 2020, 45, 179-192.	0.7	33
2070	Dairy intensification: Drivers, impacts and alternatives. <i>Ambio</i> , 2020, 49, 35-48.	2.8	129
2071	Pesticide residues used for pest control in honeybee colonies located in agroindustrial areas of Argentina. <i>International Journal of Pest Management</i> , 2020, 66, 163-172.	0.9	13
2072	The 4p1000 initiative: Opportunities, limitations and challenges for implementing soil organic carbon sequestration as a sustainable development strategy. <i>Ambio</i> , 2020, 49, 350-360.	2.8	208
2073	Combining land-based organic and landless food production: a concept for a circular and sustainable food chain for Africa in 2100. <i>Organic Agriculture</i> , 2020, 10, 9-21.	1.2	27
2074	The next protein transition. <i>Trends in Food Science and Technology</i> , 2020, 105, 515-522.	7.8	168
2075	Proposal of a solar storage system for plant-based food materials in Bangladesh. <i>International Journal of Ambient Energy</i> , 2020, 41, 1664-1680.	1.4	15
2076	Cropland acidification increases risk of yield losses and food insecurity in China. <i>Environmental Pollution</i> , 2020, 256, 113145.	3.7	62
2077	Yield response of high-yielding rice cultivar Oonari to different environmental conditions. <i>Plant Production Science</i> , 2020, 23, 69-74.	0.9	4
2078	Why joint conservation and development projects often fail: An in-depth examination in the Peruvian Amazon. <i>Environment and Planning E, Nature and Space</i> , 2020, 3, 365-398.	1.6	13
2079	Bio-based fertilizers: A practical approach towards circular economy. <i>Bioresource Technology</i> , 2020, 295, 122223.	4.8	271
2080	In-Situ Metabolomic Analysis of <i>Setaria viridis</i> Roots Colonized by Beneficial Endophytic Bacteria. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 272-283.	1.4	23
2081	Impact of changes in water management on hydrology and environment: A case study in North China. <i>Journal of Hydro-Environment Research</i> , 2020, 28, 75-84.	1.0	10

#	ARTICLE	IF	CITATIONS
2082	Endophytes alleviate the elevated CO ₂ -dependent decrease in photosynthesis in rice, particularly under nitrogen limitation. <i>Journal of Experimental Botany</i> , 2020, 71, 707-718.	2.4	23
2083	Managing irrigation water for sustainable rice production in China. <i>Journal of Cleaner Production</i> , 2020, 245, 118928.	4.6	51
2084	Correlative X-ray and neutron tomography of root systems using cadmium fiducial markers. <i>Journal of Microscopy</i> , 2020, 277, 170-178.	0.8	6
2085	Engineering plant virus resistance: from RNA silencing to genome editing strategies. <i>Plant Biotechnology Journal</i> , 2020, 18, 328-336.	4.1	64
2086	¹³ C-Aminobutyric Acid Regulates Grain Yield Formation in Different Fragrant Rice Genotypes Under Different Nitrogen Levels. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 738-750.	2.8	12
2088	The local impact of macrofauna and land-use intensity on soil nutrient concentration and exchangeability in lowland tropical Peru. <i>Biotropica</i> , 2020, 52, 242-251.	0.8	7
2089	Seeds of good anthropocenes: developing sustainability scenarios for Northern Europe. <i>Sustainability Science</i> , 2020, 15, 605-617.	2.5	48
2090	Magnesium supports nitrogen uptake through regulating NRT2.1/2.2 in soybean. <i>Plant and Soil</i> , 2020, 457, 97-111.	1.8	34
2091	Retail demand estimation of organic rice and other rice variants in the Philippines and its implications to sustainability and self sufficiency. <i>Organic Agriculture</i> , 2020, 10, 145-154.	1.2	1
2092	Research and policy priorities for edible insects. <i>Sustainability Science</i> , 2020, 15, 633-645.	2.5	24
2093	The Carbon Footprints of Agricultural Products in Canada. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2020, , 1-34.	0.7	7
2094	PIN-mediated polar auxin transport facilitates root obstacle avoidance. <i>New Phytologist</i> , 2020, 225, 1285-1296.	3.5	39
2095	Root-shoot communication in tomato plants: cytokinin as a signal molecule modulating leaf photosynthetic activity. <i>Journal of Experimental Botany</i> , 2020, 71, 247-257.	2.4	32
2096	Soil Health Restoration and Management. , 2020, , .		4
2097	Archaeology for Sustainable Agriculture. <i>Journal of Archaeological Research</i> , 2020, 28, 393-441.	1.4	40
2098	Pilot-scale demonstration of nitrogen recovery in the form of ammonium phosphate (AP) from anaerobic digestate. <i>Bioresource Technology</i> , 2020, 297, 122392.	4.8	7
2099	Sustaining crop production in China's cropland by crop residue retention: A meta-analysis. <i>Land Degradation and Development</i> , 2020, 31, 694-709.	1.8	89
2100	Yield, yield attributes and photosynthetic physiological characteristics of dryland wheat (Triticum) Tj ETQq1 1 0.784314 rgBT/Overlook	2.3	33

#	ARTICLE	IF	CITATIONS
2101	Agriculture erases climate constraints on soil nematode communities across large spatial scales. <i>Global Change Biology</i> , 2020, 26, 919-930.	4.2	49
2102	Re-imagining the driverâ€‘pressureâ€‘stateâ€‘impactâ€‘response framework from an equity and inclusive development perspective. <i>Sustainability Science</i> , 2020, 15, 503-520.	2.5	40
2103	Soil phosphorus pools with addition of fertiliser phosphorus in a long-term grazing experiment. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 151-164.	1.1	6
2104	Modelling crop diversification and association effects in agricultural systems. <i>Agriculture, Ecosystems and Environment</i> , 2020, 288, 106711.	2.5	20
2105	Framing in Sustainability Science. <i>Science for Sustainable Societies</i> , 2020, , .	0.2	7
2106	Spatial and Temporal Trends in the Yields of Three Major Crops: Wheat, Rice and Maize in India. <i>International Journal of Plant Production</i> , 2020, 14, 187-207.	1.0	24
2107	Zinc status and its requirement by rural adults consuming wheat from control or zinc-treated fields. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1877-1892.	1.8	26
2108	Die Bedeutung von regionalen Innovationspotenzialen und Nachhaltigkeitsorientierung fÃ¼r eine sozio-technische Transformation in der Agrar- und ErnÃ¼hrungswirtschaft. , 2020, , .		0
2109	Effects of landscape composition on bee communities and coffee pollination in <i>Coffea arabica</i> production forests in southwestern Ethiopia. <i>Agriculture, Ecosystems and Environment</i> , 2020, 288, 106706.	2.5	17
2110	Highly selective trace ammonium removal from dairy wastewater streams by aluminosilicate materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 86, 39-46.	2.9	8
2111	Of floral fortune: tinkering with the grain yield potential of cereal crops. <i>New Phytologist</i> , 2020, 225, 1873-1882.	3.5	70
2112	Effects of rarity form on speciesâ€™ responses to land use. <i>Conservation Biology</i> , 2020, 34, 688-696.	2.4	30
2113	Which practices coâ€‘deliver food security, climate change mitigation and adaptation, and combat land degradation and desertification?. <i>Global Change Biology</i> , 2020, 26, 1532-1575.	4.2	164
2114	<i>UPA2</i> and <i>ZmRAVL1</i> : Promising targets of genetic improvement of maize plant architecture. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 394-397.	4.1	10
2115	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. <i>ChemCatChem</i> , 2020, 12, 1603-1608.	1.8	13
2116	Combining Optical, Fluorescence, Thermal Satellite, and Environmental Data to Predict County-Level Maize Yield in China Using Machine Learning Approaches. <i>Remote Sensing</i> , 2020, 12, 21.	1.8	74
2117	Towards redesign at scale through zero budget natural farming in Andhra Pradesh, India. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 1-20.	1.3	41
2118	A high-diversity/IPM cropping system fosters beneficial arthropod populations, limits invertebrate pests, and produces competitive maize yields. <i>Agriculture, Ecosystems and Environment</i> , 2020, 292, 106812.	2.5	20

#	ARTICLE	IF	CITATIONS
2119	Comprehensive and quantitative analysis of growth characteristics of winter wheat in China based on growing degree days. <i>Advances in Agronomy</i> , 2020, 159, 237-273.	2.4	21
2120	Balancing Disturbance and Conservation in Agroecosystems to Improve Biological Control. <i>Annual Review of Entomology</i> , 2020, 65, 81-100.	5.7	52
2121	The costs of human-induced evolution in an agricultural system. <i>Nature Sustainability</i> , 2020, 3, 63-71.	11.5	66
2122	Aligning biodiversity conservation and agricultural production in heterogeneous landscapes. <i>Ecological Applications</i> , 2020, 30, e02057.	1.8	19
2123	Cover crops improve early season natural enemy recruitment and pest management in cotton production. <i>Biological Control</i> , 2020, 141, 104149.	1.4	31
2124	Accounting for the invisible value of trees on farms through valuation of ecosystem services. , 2020, , 229-261.		2
2125	Challenges in maximizing benefits from ecosystem services and transforming food systems. , 2020, , 263-274.		5
2126	Improving/maintaining water-use efficiency and yield of wheat by deficit irrigation: A global meta-analysis. <i>Agricultural Water Management</i> , 2020, 228, 105906.	2.4	77
2127	Developing indicators for the monitoring of the sustainability of food, energy, and water. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109565.	8.2	44
2128	Fertilizer nitrogen use efficiency and fates in maize cropping systems across China: Field 15N tracer studies. <i>Soil and Tillage Research</i> , 2020, 197, 104498.	2.6	56
2129	The mobile phone revolution, the Internet and rural electricity: What are the implications for food security in Africa?. <i>Information Development</i> , 2020, 36, 603-622.	1.4	5
2130	Nanomaterials: new weapons in a crusade against phytopathogens. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1437-1461.	1.7	51
2131	The influence of soil management on soil health: An on-farm study in southern Sweden. <i>Geoderma</i> , 2020, 360, 114010.	2.3	81
2132	Spatiotemporal variability in spate irrigation systems in Khirthar National Range, Sindh, Pakistan (case) Tj ETQq1 1 0.784314 ggBT /Over	1.0	6
2133	Changing yields in the Central United States under climate and technological change. <i>Climatic Change</i> , 2020, 159, 329-346.	1.7	26
2134	Towards the circular nitrogen economy â€“ A global meta-analysis of composting technologies reveals much potential for mitigating nitrogen losses. <i>Science of the Total Environment</i> , 2020, 704, 135401.	3.9	54
2135	Land use decisions: By whom and to whose benefit? A serious game to uncover dynamics in farm land allocation at household level in Northern Ghana. <i>Land Use Policy</i> , 2020, 91, 104325.	2.5	23
2136	Balancing indicators for sustainable intensification of crop production at field and river basin levels. <i>Science of the Total Environment</i> , 2020, 705, 135925.	3.9	21

#	ARTICLE	IF	CITATIONS
2137	Integrating remote sensing-based process model with environmental zonation scheme to estimate rice yield gap in Northeast China. <i>Field Crops Research</i> , 2020, 246, 107682.	2.3	31
2138	Inclusive sustainable intensification of agriculture in West Bengal, India: policy and institutional approaches. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 70-83.	1.3	9
2139	Perceived benefits, constraints and determinants of sustainable intensification of mixed crop and livestock systems in the Sahelian zone of Burkina Faso. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 84-98.	1.3	24
2140	Effect of soil acidification on the growth and nitrogen use efficiency of maize in Ultisols. <i>Journal of Soils and Sediments</i> , 2020, 20, 1435-1445.	1.5	29
2141	Spatio-temporal dynamics of nitrogen use efficiencies in the Chinese food system, 1990â€“2017. <i>Science of the Total Environment</i> , 2020, 717, 134861.	3.9	14
2142	Fragmentation and thresholds in hydrological flowâ€“based ecosystem services. <i>Ecological Applications</i> , 2020, 30, e02046.	1.8	20
2143	Integrated assessment of crop production and resource use efficiency indicators for the U.S. Corn Belt. <i>Global Food Security</i> , 2020, 24, 100339.	4.0	14
2144	Insect pollination is the weakest link in the production of a hybrid seed crop. <i>Agriculture, Ecosystems and Environment</i> , 2020, 290, 106743.	2.5	20
2145	Beneficial microbes ameliorate abiotic and biotic sources of stress on plants. <i>Functional Ecology</i> , 2020, 34, 2075-2086.	1.7	75
2146	The overlooked spatial dimension of climateâ€“smart agriculture. <i>Global Change Biology</i> , 2020, 26, 1045-1054.	4.2	28
2147	Fruit detection, yield prediction and canopy geometric characterization using LiDAR with forced air flow. <i>Computers and Electronics in Agriculture</i> , 2020, 168, 105121.	3.7	56
2148	Using local initiatives to envision sustainable and resilient food systems in the Stockholm city-region. <i>Global Food Security</i> , 2020, 24, 100334.	4.0	26
2150	Microbial protein production from methane via electrochemical biogas upgrading. <i>Chemical Engineering Journal</i> , 2020, 391, 123625.	6.6	31
2151	Minerals, antioxidant compounds and phenolic profile regarding date palm (<i>Phoenix dactylifera</i> L.) seed development. <i>Scientia Horticulturae</i> , 2020, 262, 109017.	1.7	25
2152	Rachis brittleness in a hybridâ€“parent barley (<i>Hordeum vulgare</i>) breeding germplasm with different combinations at the nonâ€“brittle rachis genes. <i>Plant Breeding</i> , 2020, 139, 317-327.	1.0	3
2153	Integrated Management of Important Soybean Pathogens of the United States in Changing Climate. <i>Journal of Integrated Pest Management</i> , 2020, 11, .	0.9	41
2154	Do Differences in Livestock Management Practices Influence Environmental Impacts?. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	10
2155	The Water Footprint of Global Food Production. <i>Water (Switzerland)</i> , 2020, 12, 2696.	1.2	90

#	ARTICLE	IF	CITATIONS
2156	Voxel carvingâ€based 3D reconstruction of sorghum identifies genetic determinants of light interception efficiency. <i>Plant Direct</i> , 2020, 4, e00255.	0.8	21
2157	Molecular characterization of a RING E3 ligase SbHCl1 in sorghum under heat and abscisic acid stress. <i>Planta</i> , 2020, 252, 89.	1.6	8
2158	Evaluating the Potential Contribution of Multi-Attribute Auctions to Achieve Agri-Environmental Targets and Efficient Payment Design. <i>Ecological Economics</i> , 2020, 176, 106756.	2.9	9
2159	A Synthetic Photorespiratory Shortcut Enhances Photosynthesis to Boost Biomass and Grain Yield in Rice. <i>Molecular Plant</i> , 2020, 13, 1802-1815.	3.9	46
2160	Fate of nitrogen in agriculture and environment: agronomic, eco-physiological and molecular approaches to improve nitrogen use efficiency. <i>Biological Research</i> , 2020, 53, 47.	1.5	224
2161	Straw Type and Nitrogen Fertilization Influence Winter Common Bean Yield and Quality. <i>International Journal of Plant Production</i> , 2020, 14, 703-712.	1.0	5
2162	Bats and bananas: Simplified diet of the nectar-feeding bat <i>Glossophaga soricina</i> (Phyllostomidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 24, e01254.	1.0	7
2163	Combining yield potential and drought resilience in a spring wheat diversity panel. <i>Food and Energy Security</i> , 2020, 9, e241.	2.0	10
2164	Nordic Bioeconomy Pathways: Future narratives for assessment of water-related ecosystem services in agricultural and forest management. <i>Ambio</i> , 2020, 49, 1710-1721.	2.8	22
2165	A new framework to map fine resolution cropping intensity across the globe: Algorithm, validation, and implication. <i>Remote Sensing of Environment</i> , 2020, 251, 112095.	4.6	46
2166	Bacterially assembled biopolyester nanobeads for removing cadmium from water. <i>Water Research</i> , 2020, 186, 116357.	5.3	14
2167	Applications of CRISPRâ€Cas in agriculture and plant biotechnology. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 661-677.	16.1	433
2168	Plant extinction excels plant speciation in the Anthropocene. <i>BMC Plant Biology</i> , 2020, 20, 430.	1.6	18
2169	New prospects on the horizon: Genome editing to engineer plants for desirable traits. <i>Current Plant Biology</i> , 2020, 24, 100171.	2.3	26
2170	Sustainable Intensification of Agriculture in the Context of the COVID-19 Pandemic: Prospects for the Future. <i>Water (Switzerland)</i> , 2020, 12, 2738.	1.2	11
2171	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. <i>One Earth</i> , 2020, 3, 176-186.	3.6	60
2172	Electroless Production of Fertilizer (Struvite) and Hydrogen from Synthetic Agricultural Wastewaters. <i>Journal of the American Chemical Society</i> , 2020, 142, 18844-18858.	6.6	33
2173	Temporal and Cultivar-Specific Effects on Potato Root and Soil Fungal Diversity. <i>Agronomy</i> , 2020, 10, 1535.	1.3	8

#	ARTICLE	IF	CITATIONS
2174	An automatic method for counting wheat tiller number in the field with terrestrial LiDAR. <i>Plant Methods</i> , 2020, 16, 132.	1.9	13
2175	Nitrogen fertilization and potassium requirement for cereal crops under a continuous no-till system. <i>Pedosphere</i> , 2020, 30, 747-758.	2.1	5
2176	Intense Warming Will Significantly Increase Cropland Ammonia Volatilization Threatening Food Security and Ecosystem Health. <i>One Earth</i> , 2020, 3, 126-134.	3.6	26
2177	Polymer-Paraburkholderia phytofirmans PsJN Coated Diammonium Phosphate Enhanced Microbial Survival, Phosphorous Use Efficiency, and Production of Wheat. <i>Agronomy</i> , 2020, 10, 1344.	1.3	20
2178	Identifying priority biophysical indicators for promoting food-energy-water nexus within planetary boundaries. <i>Resources, Conservation and Recycling</i> , 2020, 163, 105102.	5.3	19
2179	Mechanization Status, Promotional Activities and Government Strategies of Thailand and Vietnam in Comparison to Bangladesh. <i>AgriEngineering</i> , 2020, 2, 489-510.	1.7	19
2180	Catchment effects of a future Nordic bioeconomy: From land use to water resources. <i>Ambio</i> , 2020, 49, 1697-1709.	2.8	8
2181	Reconciling Rubber Expansion with Biodiversity Conservation. <i>Current Biology</i> , 2020, 30, 3825-3832.e4.	1.8	13
2182	Rural transformation and the future of cereal-based agri-food systems. <i>Global Food Security</i> , 2020, 26, 100441.	4.0	19
2183	Agricultural Land Degradation: Processes and Problems Undermining Future Food Security. , 2020, , 17-61.		28
2184	Decomposing rice yield gaps into efficiency, resource and technology yield gaps in sub-Saharan Africa. <i>Field Crops Research</i> , 2020, 258, 107963.	2.3	45
2185	Modelling the scaling up of sustainable farming into Agroecology Territories: Potentials and bottlenecks at the landscape level in a Mediterranean case study. <i>Journal of Cleaner Production</i> , 2020, 275, 124043.	4.6	19
2186	Greenhouse gas emissions from inorganic and organic fertilizer production and use: A review of emission factors and their variability. <i>Journal of Environmental Management</i> , 2020, 276, 111211.	3.8	132
2187	Building climate resilience in degraded agricultural landscapes through water management: A case study of Bundelkhand region, Central India. <i>Journal of Hydrology</i> , 2020, 591, 125592.	2.3	30
2188	Land and water footprints associated with rice and maize losses in Brazil. <i>Land Use Policy</i> , 2020, 99, 105106.	2.5	17
2189	Maize YSL2 is required for iron distribution and development in kernels. <i>Journal of Experimental Botany</i> , 2020, 71, 5896-5910.	2.4	30
2190	Farmland size increase significantly accelerates road surface rill erosion and nutrient losses in southern subtropics of China. <i>Soil and Tillage Research</i> , 2020, 204, 104689.	2.6	11
2191	Global inequalities in food consumption, cropland demand and land-use efficiency: A decomposition analysis. <i>Global Environmental Change</i> , 2020, 64, 102124.	3.6	79

#	ARTICLE	IF	CITATIONS
2192	Water rights shape crop yield and revenue volatility tradeoffs for adaptation in snow dependent systems. <i>Nature Communications</i> , 2020, 11, 3473.	5.8	12
2193	The environmental impact of Brazilian adults's™ diet. <i>Journal of Cleaner Production</i> , 2020, 272, 122622.	4.6	25
2194	Engineering Biomimetic Calcium Phosphate Nanoparticles: A Green Synthesis of Slow-Release Multinutrient (NPK) Nanofertilizers. <i>ACS Applied Bio Materials</i> , 2020, 3, 1344-1353.	2.3	89
2195	Global Role of Crop Genomics in the Face of Climate Change. <i>Frontiers in Plant Science</i> , 2020, 11, 922.	1.7	45
2196	The Role of Agriculture in Ensuring Food Security in Developing Countries: Considerations in the Context of the Problem of Sustainable Food Production. <i>Sustainability</i> , 2020, 12, 5488.	1.6	241
2197	Long-Term Chemical-Only Fertilization Induces a Diversity Decline and Deep Selection on the Soil Bacteria. <i>MSystems</i> , 2020, 5, .	1.7	49
2198	Evaluation of a handheld spectrophotometer as an in-field phenotyping tool for tomato and pepper fruit quality. <i>The Plant Phenome Journal</i> , 2020, 3, e20008.	1.0	8
2199	Genome editing technologies for value-added traits in plants. , 2020, , 51-67.		0
2200	Plasma activated water triggers plant defence responses. <i>Scientific Reports</i> , 2020, 10, 19211.	1.6	21
2201	Feasibility Assessment of Converting Forest Into Palm Oil Plantation and Its Implication for Forest Policy and Palm Oil Sustainability Challenges: A Case Study in Melawi Regency of West Kalimantan Province, Indonesia. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	0
2202	The impact of foreign direct investment on the ecological footprints of nations. <i>Environmental and Sustainability Indicators</i> , 2020, 8, 100085.	1.7	74
2203	Characterising the effect of crop species and fertilisation treatment on root fungal communities. <i>Scientific Reports</i> , 2020, 10, 18741.	1.6	6
2204	Root Morphological Traits of Seedlings Are Predictors of Seed Yield and Quality in Winter Oilseed Rape Hybrid Cultivars. <i>Frontiers in Plant Science</i> , 2020, 11, 568009.	1.7	13
2205	Feral populations of <i>Brassica oleracea</i> along Atlantic coasts in western Europe. <i>Ecology and Evolution</i> , 2020, 10, 11810-11825.	0.8	11
2207	Countries influence the trade-off between crop yields and nitrogen pollution. <i>Nature Food</i> , 2020, 1, 713-719.	6.2	34
2208	Effects of the Biofertilizer OYK (<i>Bacillus</i> sp.) Inoculation on Endophytic Microbial Community in Sweet Potato. <i>Horticulturae</i> , 2020, 6, 81.	1.2	5
2209	Using AnnAGNPS to Simulate Runoff, Nutrient, and Sediment Loads in an Agricultural Catchment with an On-Farm Water Storage System. <i>Climate</i> , 2020, 8, 133.	1.2	4
2210	AgroTutor: A Mobile Phone Application Supporting Sustainable Agricultural Intensification. <i>Sustainability</i> , 2020, 12, 9309.	1.6	8

#	ARTICLE	IF	CITATIONS
2215	Spatio-Temporal Patterns of Crops and Agrochemicals in Canada Over 35 Years. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	20
2216	Environmental Justice and Transformations to Sustainability. <i>Environment</i> , 2020, 62, 19-30.	0.8	31
2217	Land Cover and Land Use Change on Islands. <i>Social and Ecological Interactions in the Galapagos Islands</i> , 2020, , .	0.4	1
2218	Crop Protection Under Drought Stress. , 2020, , 145-170.		5
2219	The role of the social network structure on the spread of intensive agriculture: an example from Navarre, Spain. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	9
2220	Open access to genetic sequence data maximizes value to scientists, farmers, and society. <i>Global Food Security</i> , 2020, 26, 100411.	4.0	21
2221	Beyond land-use intensity: Assessing future global crop productivity growth under different socioeconomic pathways. <i>Technological Forecasting and Social Change</i> , 2020, 160, 120208.	6.2	21
2222	Widespread and major losses in multiple ecosystem services as a result of agricultural expansion in the Argentine Chaco. <i>Journal of Applied Ecology</i> , 2020, 57, 2485-2498.	1.9	33
2223	Arbuscular mycorrhizal symbiosis increases phosphorus uptake and productivity of mixtures of maize varieties compared to monocultures. <i>Journal of Applied Ecology</i> , 2020, 57, 2203-2211.	1.9	20
2224	Global cropland intensification surpassed expansion between 2000 and 2010: A spatio-temporal analysis based on GlobeLand30. <i>Science of the Total Environment</i> , 2020, 746, 141035.	3.9	65
2226	Limited Nitrogen and Plant Growth Stages Discriminate Well Nitrogen Use, Uptake and Utilization Efficiency in Popcorn. <i>Plants</i> , 2020, 9, 893.	1.6	9
2227	A multiscale integrated analysis of the factors characterizing the sustainability of food systems in Europe. <i>Journal of Environmental Management</i> , 2020, 271, 110944.	3.8	45
2228	Improving Rice Yields and Nitrogen Use Efficiency by Optimizing Nitrogen Management and Applications to Rapeseed in Rapeseed-Rice Rotation System. <i>Agronomy</i> , 2020, 10, 1060.	1.3	10
2229	Wheat yield potential in controlled-environment vertical farms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19131-19135.	3.3	102
2230	Environmental Tradeoffs between Nutrient Recycling and Greenhouse Gases Emissions in an Integrated Aquaculture&Agriculture System. <i>Environmental Science & Technology</i> , 2020, 54, 9584-9592.	4.6	4
2231	Legacy of soil health improvement with carbon increase following one time amendment of biochar in a paddy soil &A A rice farm trial. <i>Geoderma</i> , 2020, 376, 114567.	2.3	40
2232	Effects of Elevated CO2 Concentration and Nitrogen Application Levels on the Accumulation and Translocation of Non-Structural Carbohydrates in Japonica Rice. <i>Sustainability</i> , 2020, 12, 5386.	1.6	14
2233	Determining effects of water and nitrogen inputs on wheat yield and water productivity and nitrogen use efficiency in China: A quantitative synthesis. <i>Agricultural Water Management</i> , 2020, 242, 106397.	2.4	15

#	ARTICLE	IF	CITATIONS
2234	Invited Review: Methane sources, quantification, and mitigation in grazing beef systems. <i>Applied Animal Science</i> , 2020, 36, 556-573.	0.4	60
2235	Capacity building towards agricultural sustainability in the Maldives: does the voice of the Maldivian farmer need to be amplified in planning agricultural interventions?. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 537-553.	1.3	4
2236	A footprint of plant eco-geographic adaptation on the composition of the barley rhizosphere bacterial microbiota. <i>Scientific Reports</i> , 2020, 10, 12916.	1.6	48
2237	Using an Interdisciplinary Approach to Assess Controlled Environment Agriculture. , 2020, , .		0
2238	Rice Yield Gaps in Smallholder Systems of the Kilombero Floodplain in Tanzania. <i>Agronomy</i> , 2020, 10, 1135.	1.3	15
2239	National assessment of nitrogen fertilizers fate and related environmental impacts of multiple pathways in China. <i>Journal of Cleaner Production</i> , 2020, 277, 123519.	4.6	45
2240	Soil nutrient management: fueling agroecosystem sustainability. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 444-448.	1.3	6
2241	During photosynthetic induction, biochemical and stomatal limitations differ between <i>Brassica</i> crops. <i>Plant, Cell and Environment</i> , 2020, 43, 2623-2636.	2.8	21
2242	Variability of water supply affected shoot biomass and root depth distribution of four temperate grassland species in monocultures and mixtures. <i>Journal of Plant Ecology</i> , 2020, 13, 554-562.	1.2	7
2243	Key factors of carbon footprint in the UK food supply chains: a new perspective of life cycle assessment. <i>International Journal of Operations and Production Management</i> , 2020, 40, 945-970.	3.5	13
2244	Use of hedgerows by mammals in an intensive agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2020, 302, 107079.	2.5	11
2245	The ecology of predatory hoverflies as ecosystem-service providers in agricultural systems. <i>Biological Control</i> , 2020, 151, 104405.	1.4	40
2246	Eating to save the planet: Evidence from a randomized controlled trial using individual-level food purchase data. <i>Food Policy</i> , 2020, 95, 101950.	2.8	50
2247	Are scenario projections overly optimistic about future yield progress?. <i>Global Environmental Change</i> , 2020, 64, 102120.	3.6	11
2248	Crop Protection Under Changing Climate. , 2020, , .		4
2249	Dynamic proteome changes of wheat developing grains in response to water deficit and high-nitrogen fertilizer conditions. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 471-483.	2.8	9
2250	Mapping Powdery Mildew (<i>Blumeria graminis</i> f. sp. <i>tritici</i>) Resistance in Wild and Cultivated Tetraploid Wheats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7910.	1.8	15
2251	Synergisms in Science: Climate Change and Integrated Pest Management Through the Lens of Communication—2019 Student Debates. <i>Journal of Insect Science</i> , 2020, 20, .	0.6	2

#	ARTICLE	IF	CITATIONS
2252	Development of a novel and rapid phenotype-based screening method to assess rice seedling growth. <i>Plant Methods</i> , 2020, 16, 139.	1.9	4
2253	Vegetable Crop Biomass Estimation Using Hyperspectral and RGB 3D UAV Data. <i>Agronomy</i> , 2020, 10, 1600.	1.3	16
2254	Application of combined drought index to assess meteorological drought in the south western region of Bangladesh. <i>Physics and Chemistry of the Earth</i> , 2020, 120, 102946.	1.2	6
2255	On the Way to Sustainable Agricultureâ€”Eco-Efficiency of Polish Commercial Farms. <i>Agriculture (Switzerland)</i> , 2020, 10, 438.	1.4	33
2256	Factors affecting the effectiveness of riparian buffers in retaining sediment: an isotopic approach. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 735.	1.3	6
2257	Towards optimal use of phosphorus fertiliser. <i>Scientific Reports</i> , 2020, 10, 17804.	1.6	27
2258	Comparing Selected Life-History Traits of Black Soldier Fly (Diptera: Stratiomyidae) Larvae Produced in Industrial and Bench-Top-Sized Containers. <i>Journal of Insect Science</i> , 2020, 20, .	0.6	19
2259	Projecting future impacts of cropland reclamation policies on carbon storage. <i>Ecological Indicators</i> , 2020, 119, 106835.	2.6	33
2260	Supporting Beneficial Insects for Agricultural Sustainability: The Role of Livestock-Integrated Organic and Cover Cropping to Enhance Ground Beetle (Carabidae) Communities. <i>Agronomy</i> , 2020, 10, 1210.	1.3	11
2261	Estimation of Sugarcane Yield Using a Machine Learning Approach Based on UAV-LiDAR Data. <i>Remote Sensing</i> , 2020, 12, 2823.	1.8	47
2262	Actual Evapotranspiration and Biomass of Maize from a Redâ€”Green-Near-Infrared (RG NIR) Sensor on Board an Unmanned Aerial Vehicle (UAV). <i>Water (Switzerland)</i> , 2020, 12, 2359.	1.2	10
2263	An Integrative Framework for Stakeholder Engagement Using the Basin Futures Platform. <i>Water (Switzerland)</i> , 2020, 12, 2398.	1.2	6
2264	Carbon pricing and planetary boundaries. <i>Nature Communications</i> , 2020, 11, 4688.	5.8	23
2265	Optimization of nitrogen fertilizer rate under integrated rice management in a hilly area of Southwest China. <i>Pedosphere</i> , 2020, 30, 759-768.	2.1	10
2266	The era of editing plant genomes using CRISPR/Cas: A critical appraisal. <i>Journal of Biotechnology</i> , 2020, 324, 34-60.	1.9	12
2267	Structural Aspects of DNA Repair and Recombination in Crop Improvement. <i>Frontiers in Genetics</i> , 2020, 11, 574549.	1.1	18
2268	Convergence, continuity, and community: a framework for enabling emerging leaders to build climate solutions in agriculture, forestry, and aquaculture. <i>Climatic Change</i> , 2020, 162, 2181-2195.	1.7	5
2269	Cropland expansion in the United States produces marginal yields at high costs to wildlife. <i>Nature Communications</i> , 2020, 11, 4295.	5.8	143

#	ARTICLE	IF	CITATIONS
2270	Changes in paddy soil fertility in Thailand due to the Green Revolution during the last 50 years. <i>Soil Science and Plant Nutrition</i> , 2020, 66, 889-899.	0.8	14
2271	Plant Breeding Evaluation Based on Coupled Feature Representation. <i>IEEE Access</i> , 2020, 8, 153641-153650.	2.6	1
2272	Instance segmentation for the fine detection of crop and weed plants by precision agricultural robots. <i>Applications in Plant Sciences</i> , 2020, 8, e11373.	0.8	65
2273	A Review of Antimicrobial Resistance in Poultry Farming within Low-Resource Settings. <i>Animals</i> , 2020, 10, 1264.	1.0	103
2274	Insects Used as Food and Feed: Isnâ€™t That What We All Need?. <i>Foods</i> , 2020, 9, 1003.	1.9	21
2275	Minimizing Soil Nitrogen Leaching by Changing Furrow Irrigation into Sprinkler Fertigation in Potato Fields in the Northwestern China Plain. <i>Water (Switzerland)</i> , 2020, 12, 2229.	1.2	7
2276	Assessing multifunctionality of agricultural soils: Reducing the biodiversity tradeâ€™off. <i>European Journal of Soil Science</i> , 2021, 72, 1624-1639.	1.8	12
2277	Spectral Phenotyping of Physiological and Anatomical Leaf Traits Related with Maize Water Status. <i>Plant Physiology</i> , 2020, 184, 1363-1377.	2.3	38
2278	Root morphological and physiological characteristics in maize seedlings adapted to low iron stress. <i>PLoS ONE</i> , 2020, 15, e0239075.	1.1	7
2279	Effect of Animal ByProducts Fertilization on Durum Wheat in Mediterranean Conditions: Preliminary Results. <i>Plants</i> , 2020, 9, 1094.	1.6	2
2280	Holistic identification and assessment of environmental risks of arable land use in two grain producing areas of China. <i>Ecosystem Health and Sustainability</i> , 2020, 6, .	1.5	2
2281	How to manage cows yielding 20,000â€™kg of milk: technical challenges and environmental implications. <i>Italian Journal of Animal Science</i> , 2020, 19, 865-879.	0.8	12
2282	Mitigating the Impact of Irrigation With Effluent Water: Mixing With Freshwater and/or Adjusting Irrigation Management and Design. <i>Water Resources Research</i> , 2020, 56, e2020WR027781.	1.7	13
2283	Morpho-Physiological Responses of <i>Pisum sativum</i> L. to Different Light-Emitting Diode (LED) Light Spectra in Combination with Biochar Amendment. <i>Agronomy</i> , 2020, 10, 398.	1.3	9
2284	Ecological impacts and limits of biomass use: a critical review. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1591-1611.	2.1	13
2285	Characterization of the Role of SPL9 in Drought Stress Tolerance in <i>Medicago sativa</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6003.	1.8	23
2286	Representative Farm-Based Sustainability Assessment of the Organic Sector in Switzerland Using the SMART-Farm Tool. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	10
2287	Effects of conservation tillage on wheat growth duration and grain yield in the North China Plain. <i>Archives of Agronomy and Soil Science</i> , 2020, , 1-15.	1.3	2

#	ARTICLE	IF	CITATIONS
2288	Pasture-Based Dairy Systems in Temperate Lowlands: Challenges and Opportunities for the Future. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	16
2289	Modelling Future Agricultural Mechanisation of Major Crops in China: An Assessment of Energy Demand, Land Use and Emissions. <i>Energies</i> , 2020, 13, 6636.	1.6	2
2290	Irrigation Events Detection over Intensively Irrigated Grassland Plots Using Sentinel-1 Data. <i>Remote Sensing</i> , 2020, 12, 4058.	1.8	18
2291	The Role of Healthy Diets in Environmentally Sustainable Food Systems. <i>Food and Nutrition Bulletin</i> , 2020, 41, 31S-58S.	0.5	27
2292	Pure Organic Active Compounds Against Abiotic Stress: A Biostimulant Overview. <i>Frontiers in Plant Science</i> , 2020, 11, 575829.	1.7	55
2293	A systems approach toward climate resilient livelihoods: A case study in Thai Nguyen province, Vietnam. <i>Heliyon</i> , 2020, 6, e05541.	1.4	1
2294	The science of Soil Security and Food Security. <i>Soil Security</i> , 2020, 1, 100002.	1.2	37
2295	Review: Impact of Food and Climate Change on Pastoral Industries. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	14
2296	Variable Rate Nitrogen and Water Management for Irrigated Maize in the Western US. <i>Agronomy</i> , 2020, 10, 1533.	1.3	9
2297	Historical and projected future range sizes of the world's mammals, birds, and amphibians. <i>Nature Communications</i> , 2020, 11, 5633.	5.8	30
2298	Effect of land-use types on edaphic properties and plant species diversity in Mediterranean agroecosystem. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 3676-3690.	1.8	11
2299	Potential for sustainable irrigation expansion in a 3 °C warmer climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29526-29534.	3.3	106
2300	Investments in Polish Agriculture: How Production Factors Shape Conditions for Environmental Protection?. <i>Sustainability</i> , 2020, 12, 8160.	1.6	8
2301	Reactive Silica Traces Manure Spreading in Alluvial Aquifers Affected by Nitrate Contamination: A Case Study in a High Plain of Northern Italy. <i>Water (Switzerland)</i> , 2020, 12, 2511.	1.2	10
2302	Interacting with Public Institutions. , 2020, , 227-246.		0
2303	Biodiversity enhances the multitrophic control of arthropod herbivory. <i>Science Advances</i> , 2020, 6, .	4.7	68
2304	Global food system emissions could preclude achieving the 1.5°C and 2°C climate change targets. <i>Science</i> , 2020, 370, 705-708.	6.0	496
2305	The Dilemma of Effective Private Governance. , 2020, , 41-73.		0

#	ARTICLE	IF	CITATIONS
2308	Drainage N Loads Under Climate Change with Winter Rye Cover Crop in a Northern Mississippi River Basin Corn-Soybean Rotation. Sustainability, 2020, 12, 7630.	1.6	8
2309	Exploring the Drivers and the Interventions towards Sustainable Food Security in the Food Supply Chain. Sustainability, 2020, 12, 7890.	1.6	10
2310	Climate Change, Agriculture, and Energy Transition: What Do the Thirty Most-Cited Articles Tell Us?. Sustainability, 2020, 12, 8015.	1.6	3
2311	Applying an Extended Theory of Planned Behavior to Sustainable Food Consumption. Sustainability, 2020, 12, 8394.	1.6	25
2312	Environmental Impact of Fresh Tomato Production in an Urban Rooftop Greenhouse in a Humid Continental Climate in South Korea. Sustainability, 2020, 12, 9029.	1.6	10
2313	Reducing postharvest food losses in organic spinach with the implementation of high tunnel production systems. Agronomy for Sustainable Development, 2020, 40, 1.	2.2	5
2314	Reactive oxygen species: A generalist in regulating development and pathogenicity of phytopathogenic fungi. Computational and Structural Biotechnology Journal, 2020, 18, 3344-3349.	1.9	62
2315	Global Phosphorus Losses from Croplands under Future Precipitation Scenarios. Environmental Science & Technology, 2020, 54, 14761-14771.	4.6	20
2317	Corn yield and soil nitrogen following winter annual cover crops interseeded into soybean. Crop Science, 2020, 60, 2667-2682.	0.8	1
2318	Habitat loss, extinction predictability and conservation efforts in the terrestrial ecoregions. Biological Conservation, 2020, 246, 108579.	1.9	39
2319	Changing Farming Practices. , 2020, , 125-185.		0
2320	Food systems in a zero-deforestation world: Dietary change is more important than intensification for climate targets in 2050. Science of the Total Environment, 2020, 735, 139353.	3.9	65
2321	Optimizing N Fertilization to Improve Yield, Technological and Nutritional Quality of Tomato Grown in High Fertility Soil Conditions. Plants, 2020, 9, 575.	1.6	26
2322	Microalgae Cultivation in Wastewater to Recycle Nutrients as Biofertilizer. Environmental Chemistry for A Sustainable World, 2020, , 71-86.	0.3	2
2323	Genetic improvement of panicle-erectness japonica rice toward both yield and eating and cooking quality. Molecular Breeding, 2020, 40, 1.	1.0	8
2324	Agronomic and environmental benefits of nutrient expert on maize and rice in Northeast China. Environmental Science and Pollution Research, 2020, 27, 28053-28065.	2.7	17
2325	Temporal variation of the effects of landscape composition on lacewings (Chrysopidae: Neuroptera) in vineyards. Agricultural and Forest Entomology, 2020, 22, 274-283.	0.7	14
2326	Data Science for Weather Impacts on Crop Yield. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	21

#	ARTICLE	IF	CITATIONS
2327	Diversifying cropping systems enhances productivity, stability, and nitrogen use efficiency. <i>Agronomy Journal</i> , 2020, 112, 1517-1536.	0.9	36
2328	Registration of USDAâ€7004 soybean germplasm with good yield, elevated seed protein, and 25% exotic pedigree from Tamahikari. <i>Journal of Plant Registrations</i> , 2020, 14, 431-436.	0.4	6
2329	Syndromes of production in intercropping impact yield gains. <i>Nature Plants</i> , 2020, 6, 653-660.	4.7	259
2330	Yield gap of the double-crop system of main-season soybean with off-season maize in Brazil. <i>Crop and Pasture Science</i> , 2020, 71, 445.	0.7	7
2331	A Novel Approach to Carrying Capacity: From a priori Prescription to a posteriori Derivation Based on Underlying Mechanisms and Dynamics. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 657-683.	4.6	6
2332	Preparation and application properties of sustainable gelatin/chitosan soil conditioner microspheres. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 685-695.	3.6	20
2333	RING finger ubiquitin E3 ligase gene TaSDIR1-4A contributes to determination of grain size in common wheat. <i>Journal of Experimental Botany</i> , 2020, 71, 5377-5388.	2.4	43
2335	Benefits of intensive agricultural intercropping. <i>Nature Plants</i> , 2020, 6, 604-605.	4.7	63
2336	Multiâ€seasonal modelling of plantâ€nematode interactions reveals efficient plant resistance deployment strategies. <i>Evolutionary Applications</i> , 2020, 13, 2206-2221.	1.5	15
2337	Synergies and Determinants of Sustainable Intensification Practices in Pakistani Agriculture. <i>Land</i> , 2020, 9, 110.	1.2	16
2338	Location of Cows and Pigs in Suburban Areas of Polish Metropolitan Centers. <i>Sustainability</i> , 2020, 12, 2619.	1.6	7
2339	Supportive role of the Na ⁺ transporter CmHKT1;1 from <i>Cucumis melo</i> in transgenic <i>Arabidopsis</i> salt tolerance through improved K ⁺ /Na ⁺ balance. <i>Plant Molecular Biology</i> , 2020, 103, 561-580.	2.0	13
2340	Closing yield gap is crucial to avoid potential surge in global carbon emissions. <i>Global Environmental Change</i> , 2020, 63, 102100.	3.6	39
2341	Optimizing genotype-environment-management interactions for maize farmers to adapt to climate change in different agro-ecological zones across China. <i>Science of the Total Environment</i> , 2020, 728, 138614.	3.9	27
2342	Designing Effective Private Institutions. , 2020, , 186-226.		0
2343	Soil functions are affected by transition from conventional to organic mulch-based cropping system. <i>Applied Soil Ecology</i> , 2020, 153, 103639.	2.1	16
2344	Unpacking the decline in food waste measured in Chinese households from 1991 to 2009. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104893.	5.3	17
2345	Defining the Goal of a Sustainable Coffee Sector. , 2020, , 74-101.		1

#	ARTICLE	IF	CITATIONS
2346	Innovation can accelerate the transition towards a sustainable food system. <i>Nature Food</i> , 2020, 1, 266-272.	6.2	285
2347	Electroporation as a Solvent-Free Green Technique for Non-Destructive Extraction of Proteins and Lipids From <i>Chlorella vulgaris</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 443.	2.0	24
2348	Agricultural Greenhouse Gas Emissions: Knowledge and Positions of German Farmers. <i>Land</i> , 2020, 9, 130.	1.2	33
2349	Modeling plant production at country level as affected by availability and productivity of land and water. <i>Agricultural Systems</i> , 2020, 183, 102859.	3.2	19
2350	Concentration and purification of seaweed components by chromatography methods. , 2020, , 315-370.		4
2351	Low external input sustainable agriculture: Winter flooding in rice fields increases bird use, fecal matter and soil health, reducing fertilizer requirements. <i>Agriculture, Ecosystems and Environment</i> , 2020, 300, 106962.	2.5	21
2352	Ecoagricultural landscapes in the dieng mountains of central Java; A study of their evolution and dynamics. <i>Journal of Rural Studies</i> , 2020, 77, 169-184.	2.1	4
2353	Model approaches to estimate spatial distribution of bee species richness and soybean production in the Brazilian Cerrado during 2000 to 2015. <i>Science of the Total Environment</i> , 2020, 737, 139674.	3.9	5
2354	Simultaneous changes in seed size, oil content and protein content driven by selection of <i>SWEET</i> homologues during soybean domestication. <i>National Science Review</i> , 2020, 7, 1776-1786.	4.6	128
2355	Management Intensification of Hay Meadows and Fruit Orchards Alters Soil Macro- Invertebrate Communities Differently. <i>Agronomy</i> , 2020, 10, 767.	1.3	4
2356	Salt responsive transcription factors in wheat. , 2020, , 107-127.		0
2357	Anthropogenic intensification of urban reactive nitrogen inputs and potential to mitigate nitrogen pollution in Guangzhou, China. <i>Resources, Conservation and Recycling</i> , 2020, 159, 104847.	5.3	9
2358	Design and assessment of new artificial reference surfaces for real time monitoring of crop water stress index in maize. <i>Agricultural Water Management</i> , 2020, 240, 106304.	2.4	11
2359	Effet du thÃ© de compost de <i>Chromoleana odorata</i> L. sur le dÃ©veloppement des mauvaises herbes de cultures. <i>International Journal of Biological and Chemical Sciences</i> , 2020, 13, 2657.	0.1	0
2360	From lab to field: Open tools facilitating the translation of maize root traits. <i>Field Crops Research</i> , 2020, 255, 107872.	2.3	9
2361	What is the worth of drain discharge and surface runoff data in hydrological simulations?. <i>Journal of Hydrology</i> , 2020, 587, 125030.	2.3	4
2362	Increased nitrogen fertilization inhibits the biocontrol activity promoted by the intercropping partner plant. <i>Insect Science</i> , 2020, 28, 1179-1190.	1.5	6
2363	Spatial pattern of arable land-use intensity in China. <i>Land Use Policy</i> , 2020, 99, 104845.	2.5	78

#	ARTICLE	IF	CITATIONS
2364	Effect of leaching events on the fate of polyhalite nutrient minerals used for crop fertilization. <i>Journal of Plant Nutrition</i> , 2020, 43, 2518-2532.	0.9	4
2365	Assessing agricultural eco-efficiency in Italian Regions. <i>Ecological Indicators</i> , 2020, 116, 106483.	2.6	87
2366	Simulating medium-term effects of cropping system diversification on soil fertility and crop productivity in southern Africa. <i>European Journal of Agronomy</i> , 2020, 119, 126089.	1.9	23
2367	Insect Rearing: Potential, Challenges, and Circularity. <i>Sustainability</i> , 2020, 12, 4567.	1.6	58
2368	Reduce blue water scarcity and increase nutritional and economic water productivity through changing the cropping pattern in a catchment. <i>Journal of Hydrology</i> , 2020, 588, 125086.	2.3	30
2369	Potential for gene editing in antiviral resistance. <i>Current Opinion in Virology</i> , 2020, 42, 47-52.	2.6	4
2370	Agriculture nanotechnology: Translating research outcome to field applications by influencing environmental sustainability. <i>NanoImpact</i> , 2020, 19, 100232.	2.4	93
2371	Transcriptome analysis of a novel maize bsd C4 mutant using RNA-seq. <i>Plant Signaling and Behavior</i> , 2020, 15, 1777374.	1.2	0
2372	Crops Diversification and the Role of Orphan Legumes to Improve the Sub-Saharan Africa Farming Systems. , 0, , .		10
2373	Pan-Genome of Wild and Cultivated Soybeans. <i>Cell</i> , 2020, 182, 162-176.e13.	13.5	508
2374	Climate change and plant virus epidemiology. <i>Virus Research</i> , 2020, 286, 198059.	1.1	89
2375	Determining effects of water and nitrogen input on maize (<i>Zea mays</i>) yield, water- and nitrogen-use efficiency: A global synthesis. <i>Scientific Reports</i> , 2020, 10, 9699.	1.6	13
2376	The importance of thiamine (vitamin B1) in plant health: From crop yield to biofortification. <i>Journal of Biological Chemistry</i> , 2020, 295, 12002-12013.	1.6	80
2377	Estimation of Biomass and CO2 Fluxes Of Sunflower by Assimilating Hstr Data in a Simple Crop Model. , 2020, , .		0
2378	Growth-promoting and disease-suppressing effects of <i>Paenibacillus polymyxa</i> strain YCP16-23 on pepper (<i>Capsicum annuum</i>) plants. <i>Tropical Plant Pathology</i> , 2020, 45, 415-424.	0.8	6
2379	Wheat Area Mapping in Afghanistan Based on Optical and SAR Time-Series Images in Google Earth Engine Cloud Environment. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	14
2380	Effects of a One-Time Organic Fertilizer Application on Long-Term Crop and Residue Yields, and Soil Quality Measurements Using Biointensive Agriculture. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	6
2381	Access and allocation in food governance, a decadal view 2008â€“2018. <i>International Environmental Agreements: Politics, Law and Economics</i> , 2020, 20, 323-338.	1.5	5

#	ARTICLE	IF	CITATIONS
2382	Reducing Nitrogen Dosage in Triticum durum Plants with Urea-Doped Nanofertilizers. <i>Nanomaterials</i> , 2020, 10, 1043.	1.9	44
2383	Changing the Market. , 2020, , 102-124.		0
2384	Long-Term Stochasticity Combines With Short-Term Variability in Assembly Processes to Underlie Rice Paddy Sustainability. <i>Frontiers in Microbiology</i> , 2020, 11, 873.	1.5	7
2385	Intersection of Diet, Health, and Environment: Land Grant Universities' Role in Creating Platforms for Sustainable Food Systems. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	7
2386	Appropriate ridge-furrow ratio can enhance crop production and resource use efficiency by improving soil moisture and thermal condition in a semi-arid region. <i>Agricultural Water Management</i> , 2020, 240, 106289.	2.4	43
2387	GWAS reveals two novel loci for photosynthesis-related traits in soybean. <i>Molecular Genetics and Genomics</i> , 2020, 295, 705-716.	1.0	23
2389	Identification of genes involved in male sterility in wheat (<i>Triticum aestivum</i> ÂL.) which could be used in a genic hybrid breeding system. <i>Plant Direct</i> , 2020, 4, e00201.	0.8	13
2390	Traditional rice landraces in Lei-Qiong area of South China tolerate salt stress with strong antioxidant activity. <i>Plant Signaling and Behavior</i> , 2020, 15, 1740466.	1.2	4
2391	Quantification of light interception within image-based 3-D reconstruction of sole and intercropped canopies over the entire growth season. <i>Annals of Botany</i> , 2020, 126, 701-712.	1.4	31
2392	Perspectiveâ€”Electrochemical Sensors for Soil Quality Assessment. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037550.	1.3	80
2393	Drivers of Antibiotic Use in Poultry Production in Bangladesh: Dependencies and Dynamics of a Patron-Client Relationship. <i>Frontiers in Veterinary Science</i> , 2020, 7, 78.	0.9	75
2394	Phytoremediation. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , .	0.6	19
2395	Prospects for Engineering Biophysical CO ₂ Concentrating Mechanisms into Land Plants to Enhance Yields. <i>Annual Review of Plant Biology</i> , 2020, 71, 461-485.	8.6	98
2396	Bioeconomy for Beginners. , 2020, , .		6
2398	Microbial bioformulation-based plant biostimulants: a plausible approach toward next generation of sustainable agriculture. , 2020, , 195-225.		23
2399	Chlorophyll f synthesis by a super-rogue photosystem II complex. <i>Nature Plants</i> , 2020, 6, 238-244.	4.7	28
2400	Global human â€œpredationâ€•on plant growth and biomass. <i>Global Ecology and Biogeography</i> , 2020, 29, 1052-1064.	2.7	7
2401	An agronomic overview of US cereal cropping systems. , 2020, , 39-71.		0

#	ARTICLE	IF	CITATIONS
2402	Development perspectives for the bio-based economy. , 2020, , 41-78.		4
2403	Evaluation of environmental performance of dietary patterns in the United States considering food nutrition and satiety. <i>Science of the Total Environment</i> , 2020, 722, 137672.	3.9	19
2404	The role of experience exchange groups in farmersâ€™ practice transitions: the case of reduced tillage in Danish conventional farming. <i>Agroecology and Sustainable Food Systems</i> , 2020, 44, 1012-1032.	1.0	3
2405	An investigation on the gamete quality of Black Sea trout (<i>Salmo trutta labrax</i>) broodstock fed with mealworm (<i>Tenebrio molitor</i>). <i>Aquaculture Research</i> , 2020, 51, 2379-2388.	0.9	3
2407	Advancing landscape sustainability science: theoretical foundation and synergies with innovations in methodology, design, and application. <i>Landscape Ecology</i> , 2020, 35, 1-9.	1.9	35
2408	Variation of gross primary production, evapotranspiration and water use efficiency for global croplands. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107935.	1.9	30
2409	Screening for novel biocontrol agents applicable in plant disease management â€“ A review. <i>Biological Control</i> , 2020, 144, 104240.	1.4	171
2410	Spatio-temporal evolution of agricultural land use change drivers: A case study from Chalous region, Iran. <i>Journal of Environmental Management</i> , 2020, 262, 110326.	3.8	30
2411	Historic Trends and Future Prospects of Waste Generation and Recycling in Chinaâ€™s Phosphorus Cycle. <i>Environmental Science & Technology</i> , 2020, 54, 5131-5139.	4.6	45
2412	Organic fertilizer application and Mg fertilizer promote banana yield and quality in an Udic Ferralsol. <i>PLoS ONE</i> , 2020, 15, e0230593.	1.1	17
2413	Telecoupling through tomato trade: what consumers do not know about the tomato on their plate. <i>Global Sustainability</i> , 2020, 3, .	1.6	12
2414	Reptile responses to anthropogenic habitat modification: A global meta-analysis. <i>Global Ecology and Biogeography</i> , 2020, 29, 1265-1279.	2.7	83
2415	Effects of Independent and Combined Water-Deficit and High-Nitrogen Treatments on Flag Leaf Proteomes during Wheat Grain Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2098.	1.8	16
2416	Capabilities Under Telecoupling: Human Well-Being Between Cash Crops and Protected Areas in North-Eastern Madagascar. <i>Frontiers in Sustainable Food Systems</i> , 2020, 3, .	1.8	19
2417	Characterization of Total OH Reactivity in a Rapeseed Field: Results from the COV3ER Experiment in April 2017. <i>Atmosphere</i> , 2020, 11, 261.	1.0	5
2418	Genome-wide association study identifies various loci underlying agronomic and morphological traits in diversified potato panel. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1003-1020.	1.4	17
2419	Analyzing multi-year rice-fallow dynamics in Odisha using multi-temporal Landsat-8 OLI and Sentinel-1 Data. <i>GIScience and Remote Sensing</i> , 2020, 57, 431-449.	2.4	13
2420	Implementation of the concept of sustainable intensification to a real farm â€“ Was its development over 17 years a sustainable intensification?. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 151-171.	1.3	5

#	ARTICLE	IF	CITATIONS
2421	How Are Landscapes under Agroecological Transition Perceived and Appreciated? A Belgian Case Study. <i>Sustainability</i> , 2020, 12, 2480.	1.6	5
2422	Genome Editing and Rice Grain Quality. , 2020, , 395-422.		3
2423	Corporate social responsibility, water management, and financial performance in the food and beverage industry. <i>Corporate Social Responsibility and Environmental Management</i> , 2020, 27, 1937-1946.	5.0	20
2424	Exploring the impacts of climate change and mitigation policies on UK feed barley supply and implications for national and transnational food security. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
2425	In Waterâ€Limited Landscapes, an Anthropocene Exchange: Trading Lakes for Irrigated Agriculture. <i>Earth's Future</i> , 2020, 8, e2019EF001274.	2.4	30
2426	Agronomic biofortification of plant foods with minerals, vitamins and metabolites with chemical fertilizers and liming. <i>Journal of Plant Nutrition</i> , 2020, 43, 1534-1554.	0.9	32
2427	Swarm Robotic Behaviors and Current Applications. <i>Frontiers in Robotics and AI</i> , 2020, 7, 36.	2.0	220
2428	Dynamic microbial assembly processes correspond to soil fertility in sustainable paddy agroecosystems. <i>Functional Ecology</i> , 2020, 34, 1244-1256.	1.7	36
2429	Seed Networks for Upscaling Forest Landscape Restoration: Is It Possible to Expand Native Plant Sources in Brazil?. <i>Forests</i> , 2020, 11, 259.	0.9	19
2430	Automated Identification of Crop Tree Crowns from UAV Multispectral Imagery by Means of Morphological Image Analysis. <i>Remote Sensing</i> , 2020, 12, 748.	1.8	20
2431	Community-Level Analysis of Value Webs of Biomass-Based Resources: A Case Study among Local Actors in Ghana. <i>Sustainability</i> , 2020, 12, 1644.	1.6	1
2432	Foliar exposure of Fe ₃ O ₄ nanoparticles on <i>Nicotiana benthamiana</i> : Evidence for nanoparticles uptake, plant growth promoter and defense response elicitor against plant virus. <i>Journal of Hazardous Materials</i> , 2020, 393, 122415.	6.5	120
2433	Prospects of sustainable intensification of smallholder farming systems: A farmer typology approach. <i>African Journal of Science, Technology, Innovation and Development</i> , 2020, 12, 727-734.	0.8	10
2434	Phosphorus flow analysis in the maize based food-feed-energy systems in China. <i>Environmental Research</i> , 2020, 184, 109319.	3.7	17
2435	No tillage increases soil organic carbon storage and decreases carbon dioxide emission in the crop residue-returned farming system. <i>Journal of Environmental Management</i> , 2020, 261, 110261.	3.8	70
2436	Riparian land use and stream habitat regulate water quality. <i>Limnologica</i> , 2020, 82, 125762.	0.7	13
2437	Impact of food wastage on water resources and GHG emissions in Korea: A trend-based prediction modeling study. <i>Journal of Cleaner Production</i> , 2020, 271, 122562.	4.6	17
2438	Estimation of daily CO ₂ fluxes and of the components of the carbon budget for winter wheat by the assimilation of Sentinel 2-like remote sensing data into a crop model. <i>Geoderma</i> , 2020, 376, 114428.	2.3	19

#	ARTICLE	IF	CITATIONS
2439	Soil greenhouse gas fluxes from maize cropping system under different soil fertility management technologies in Kenya. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107064.	2.5	26
2440	Septoria Leaf Blotch and Reduced Nitrogen Availability Alter WRKY Transcription Factor Expression in a Codependent Manner. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4165.	1.8	3
2441	Assessment of land suitability potentials for winter wheat cultivation by using a multi criteria decision Support- Geographic information system (MCDS-GIS) approach in Al-Yarmouk Basin (Syria). <i>Geocarto International</i> , 2022, 37, 1645-1663.	1.7	28
2442	Exploring the Socioeconomic Importance of Antimicrobial Use in the Small-Scale Pig Sector in Vietnam. <i>Antibiotics</i> , 2020, 9, 299.	1.5	13
2443	The Role of Vegetable Genetic Resources in Nutrition Security and Vegetable Breeding. <i>Plants</i> , 2020, 9, 736.	1.6	37
2444	Evaluation of Soil Management Effect on Crop Productivity and Vegetation Indices Accuracy in Mediterranean Cereal-Based Cropping Systems. <i>Sensors</i> , 2020, 20, 3383.	2.1	12
2445	Climate Change, Rangelands, and Sustainability of Ranching in the Western United States. <i>Sustainability</i> , 2020, 12, 4942.	1.6	34
2446	Impact of ozone pollution on nitrogen fertilization management during maize (<i>Zea mays</i> L.) production. <i>Environmental Pollution</i> , 2020, 266, 115158.	3.7	13
2447	Biostimulatory Action of Arbuscular Mycorrhizal Fungi Enhances Productivity, Functional and Sensory Quality in "Piennolo del Vesuvio"™ Cherry Tomato Landraces. <i>Agronomy</i> , 2020, 10, 911.	1.3	26
2448	Traditional Knowledge of the Utilization of Edible Insects in Nagaland, North-East India. <i>Foods</i> , 2020, 9, 852.	1.9	23
2449	Microbial community size is a potential predictor of nematode functional group in limed grasslands. <i>Applied Soil Ecology</i> , 2020, 156, 103702.	2.1	24
2450	Yield penalty due to delayed sowing of winter wheat and the mitigatory role of increased seeding rate. <i>European Journal of Agronomy</i> , 2020, 119, 126120.	1.9	43
2451	Exploring the future of land use and food security: A new set of global scenarios. <i>PLoS ONE</i> , 2020, 15, e0235597.	1.1	71
2452	Contemporary Pastoralism in the Dhofar Mountains of Oman. <i>Human Ecology</i> , 2020, 48, 267-277.	0.7	3
2453	Quantifying Uncertainty and Bridging the Scaling Gap in the Retrieval of Leaf Area Index by Coupling Sentinel-2 and UAV Observations. <i>Remote Sensing</i> , 2020, 12, 1843.	1.8	27
2454	Polymeric Nanocomposite-Based Agriculture Delivery System: Emerging Technology for Agriculture. , 0, , .		6
2455	Optimizing planting density to improve nitrogen use of super high-yield maize. <i>Agronomy Journal</i> , 2020, 112, 4147-4158.	0.9	19
2456	Metal contamination and bioremediation of agricultural soils for food safety and sustainability. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 366-381.	12.2	493

#	ARTICLE	IF	CITATIONS
2457	Nitrogen Tax and Set-Aside as Greenhouse Gas Abatement Policies Under Global Change Scenarios: A Case Study for Germany. <i>Environmental and Resource Economics</i> , 2020, 76, 299-329.	1.5	5
2458	Trade-offs of dryland forage production and soil water consumption in a semi-arid area. <i>Agricultural Water Management</i> , 2020, 241, 106349.	2.4	14
2459	Artificial intelligence in the design of the transitions to sustainable food systems. <i>Journal of Cleaner Production</i> , 2020, 271, 122574.	4.6	61
2460	Photosynthetic Efficiency Improvement. , 2020, , 256-256.		0
2461	Reactive oxygen species (ROS) management in engineered plants for abiotic stress tolerance. , 2020, , 241-262.		5
2462	Sustainability of the blue water footprint of crops. <i>Advances in Water Resources</i> , 2020, 143, 103679.	1.7	66
2463	Carbon footprint and yield performance assessment under plastic film mulching for winter wheat production. <i>Journal of Cleaner Production</i> , 2020, 270, 122468.	4.6	20
2464	Metabolomics and microbial biocontrol agents. , 2020, , 181-229.		3
2465	Designing a Sustainable Temporary Grassland System by Monitoring Nitrogen Use Efficiency. <i>Agronomy</i> , 2020, 10, 149.	1.3	6
2466	Analysis of the variations in dry matter yield and resource use efficiency of maize under different rates of nitrogen, phosphorous and water supply. <i>Journal of Plant Nutrition</i> , 2020, 43, 1306-1319.	0.9	3
2467	Efficiency Loss and Intensification Potential of Urban Industrial Land Use in Three Major Urban Agglomerations in China. <i>Sustainability</i> , 2020, 12, 1645.	1.6	5
2468	ASSESSMENT OF SOCIO-ECONOMIC FACTORS IMPACTING ON THE CROPPING INTENSITY OF AN IRRIGATION SCHEME IN DEVELOPING COUNTRIES. <i>Irrigation and Drainage</i> , 2020, 69, 363-375.	0.8	18
2469	Double paddy rice conversion to maize“paddy rice reduces carbon footprint and enhances net carbon sink. <i>Journal of Cleaner Production</i> , 2020, 258, 120643.	4.6	31
2470	Circular bio-based production systems in the context of current biomass and fossil demand. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 187-197.	1.9	27
2471	Sustainable Agriculture Reviews 41. <i>Sustainable Agriculture Reviews</i> , 2020, , .	0.6	7
2472	More fertilizer and impoverished roots required for improving wheat yields and profits under climate change. <i>Field Crops Research</i> , 2020, 249, 107756.	2.3	12
2473	Integrated application of compound NPS fertilizer and farmyard manure for economical production of irrigated potato (<i>Solanum tuberosum</i> L.) in highlands of Ethiopia. <i>Cogent Food and Agriculture</i> , 2020, 6, 1724385.	0.6	6
2474	Greenhouse gas implications of mobilizing agricultural biomass for energy: a reassessment of global potentials in 2050 under different food-system pathways. <i>Environmental Research Letters</i> , 2020, 15, 034066.	2.2	25

#	ARTICLE	IF	CITATIONS
2475	Applied aquaponics to culture high value local species and ultimately reused and recycle the local materials to build the green and sustainable agriculture. IOP Conference Series: Earth and Environmental Science, 2020, 432, 012008.	0.2	1
2476	Bentonite hydrochar composites mitigate ammonia volatilization from paddy soil and improve nitrogen use efficiency. Science of the Total Environment, 2020, 718, 137301.	3.9	47
2477	Phenotypic Characterization of 183 Turkish Common Bean Accessions for Agronomic, Trading, and Consumer-Preferred Plant Characteristics for Breeding Purposes. Agronomy, 2020, 10, 272.	1.3	35
2478	Long-term persistence of conservation-reliant species: Challenges and opportunities. Biological Conservation, 2020, 243, 108452.	1.9	18
2479	Ground Based Hyperspectral Imaging to Characterize Canopy-Level Photosynthetic Activities. Remote Sensing, 2020, 12, 315.	1.8	8
2480	Sugarcane/soybean intercropping with reduced nitrogen input improves crop productivity and reduces carbon footprint in China. Science of the Total Environment, 2020, 719, 137517.	3.9	61
2481	A systematic literature review on machine learning applications for sustainable agriculture supply chain performance. Computers and Operations Research, 2020, 119, 104926.	2.4	342
2482	Valuing diversification benefits through intercropping in Mediterranean agroecosystems: A choice experiment approach. Ecological Economics, 2020, 171, 106593.	2.9	48
2483	Bioactive carbon improves nitrogen fertiliser efficiency and ecological sustainability. Scientific Reports, 2020, 10, 3227.	1.6	9
2484	Drought impacts on water quality and potential implications for agricultural production in the Maipo River Basin, Central Chile. Hydrological Sciences Journal, 2020, 65, 1005-1021.	1.2	56
2485	Substitutability of Freshwater and Non-Freshwater Sources in Irrigation: an Econometric Analysis. American Journal of Agricultural Economics, 2020, 102, 1105-1134.	2.4	5
2486	Use and Avoidance of Pesticides as Responses by Farmers to change Impacts in Rice Ecosystems of Southern Sri Lanka. Environmental Management, 2020, 65, 787-803.	1.2	12
2487	Land Use and Land Cover in Irrigated Drylands: a Long-Term Analysis of Changes in the Mendoza and Tunuy�n River Basins, Argentina (1986�2018). Applied Spatial Analysis and Policy, 2020, 13, 875-899.	1.0	20
2488	Dynamic change and accumulation of grain macronutrient (N, P and K) concentrations in winter wheat under different drip fertigation regimes. Field Crops Research, 2020, 250, 107767.	2.3	40
2489	Diet shift: Considering environment, health and food culture. Science of the Total Environment, 2020, 719, 137484.	3.9	45
2490	Nanoparticles: A New Threat to Crop Plants and Soil Rhizobia?. Sustainable Agriculture Reviews, 2020, , 201-214.	0.6	10
2491	Specialized diterpenoid metabolism in monocot crops: Biosynthesis and chemical diversity. Phytochemistry, 2020, 172, 112289.	1.4	50
2492	Conceptualizing sustainable diets in Vietnam: Minimum metrics and potential leverage points. Food Policy, 2020, 91, 101836.	2.8	15

#	ARTICLE	IF	CITATIONS
2493	Estimating photosynthetic traits from reflectance spectra: A synthesis of spectral indices, numerical inversion, and partial least square regression. <i>Plant, Cell and Environment</i> , 2020, 43, 1241-1258.	2.8	56
2494	Big Data Challenges and Opportunities in Agriculture. <i>International Journal of Agricultural and Environmental Information Systems</i> , 2020, 11, 48-66.	1.8	20
2495	Trends in global virtual land trade in relation to agricultural products. <i>Land Use Policy</i> , 2020, 92, 104439.	2.5	40
2496	Charting out the future agricultural trade and its impact on water resources. <i>Science of the Total Environment</i> , 2020, 714, 136626.	3.9	16
2497	Winter cover crops effects on soil properties and sweet corn yield in semi-arid irrigated systems. <i>Agronomy Journal</i> , 2020, 112, 92-106.	0.9	20
2498	Development and characterization of an EMS-mutagenized wheat population and identification of salt-tolerant wheat lines. <i>BMC Plant Biology</i> , 2020, 20, 18.	1.6	34
2499	Meta-analysis on the potential for increasing nitrogen losses from intensifying tropical agriculture. <i>Global Change Biology</i> , 2020, 26, 1668-1680.	4.2	51
2500	An Analysis of Global Research Trends on Greenhouse Technology: Towards a Sustainable Agriculture. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 664.	1.2	61
2501	Trends in forest fragment research in Madagascar: Documented responses by lemurs and other taxa. <i>American Journal of Primatology</i> , 2020, 82, e23092.	0.8	7
2502	Cutting carbon footprints of vegetable production with integrated soil - crop system management: A case study of greenhouse pepper production. <i>Journal of Cleaner Production</i> , 2020, 254, 120158.	4.6	21
2503	Science, Technology and Food Security: An Introduction. <i>Science, Technology and Society</i> , 2020, 25, 7-18.	1.1	6
2504	CGIAR modeling approaches for resource-constrained scenarios: II. Models for analyzing socioeconomic factors to improve policy recommendations. <i>Crop Science</i> , 2020, 60, 568-581.	0.8	21
2505	CCT domain-containing genes in cereal crops: flowering time and beyond. <i>Theoretical and Applied Genetics</i> , 2020, 133, 1385-1396.	1.8	30
2506	Microalgae-derived hydrochar application on rice paddy soil: Higher rice yield but increased gaseous nitrogen loss. <i>Science of the Total Environment</i> , 2020, 717, 137127.	3.9	44
2507	Evaluating profitability of soil-renovation investments under crop rotation constraints in Finland. <i>Agricultural Systems</i> , 2020, 180, 102762.	3.2	10
2508	Future food self-sufficiency in Iran: A model-based analysis. <i>Global Food Security</i> , 2020, 24, 100351.	4.0	26
2509	Plant tissue succulence engineering improves water-use efficiency, water-deficit stress attenuation and salinity tolerance in Arabidopsis. <i>Plant Journal</i> , 2020, 103, 1049-1072.	2.8	36
2510	Prediction of Early Season Nitrogen Uptake in Maize Using High-Resolution Aerial Hyperspectral Imagery. <i>Remote Sensing</i> , 2020, 12, 1234.	1.8	24

#	ARTICLE	IF	CITATIONS
2511	Rules for grown soybean-maize cropping system in Midwestern Brazil: Food production and economic profits. <i>Agricultural Systems</i> , 2020, 182, 102850.	3.2	25
2512	Transfer Learning for Crop classification with Cropland Data Layer data (CDL) as training samples. <i>Science of the Total Environment</i> , 2020, 733, 138869.	3.9	69
2513	Conversion of Potato Industry Waste into Fodder Yeast Biomass. <i>Processes</i> , 2020, 8, 453.	1.3	8
2514	Determinants of the Adoption of Sustainable Intensification in Southern African Farming Systems: A Meta-Analysis. <i>Sustainability</i> , 2020, 12, 3276.	1.6	18
2515	A Review of Indigenous Food Crops in Africa and the Implications for more Sustainable and Healthy Food Systems. <i>Sustainability</i> , 2020, 12, 3493.	1.6	99
2516	Living at the Water's Edge: A World-Wide Econometric Panel Estimation of Arable Water Footprint Drivers. <i>Water (Switzerland)</i> , 2020, 12, 1060.	1.2	1
2517	Diversified crop rotation with no-till changes microbial distribution with depth and enhances activity in a subtropical Oxisol. <i>European Journal of Soil Science</i> , 2020, 71, 1173-1187.	1.8	19
2518	Characterization of exotic germplasm lines for resistance to wheat rusts and spot blotch. <i>Indian Phytopathology</i> , 2020, 73, 237-243.	0.7	6
2519	Grain yield, and nitrogen uptake and translocation of peanut under different nitrogen management systems in a wheat-peanut rotation. <i>Agronomy Journal</i> , 2020, 112, 1828-1838.	0.9	4
2520	Interactions of metal and metal-oxide nanomaterials with agricultural crops: an overview. , 2020, , 167-197.		20
2521	Divergent patterns of microbial community composition shift under two fertilization regimes revealed by responding species. <i>Applied Soil Ecology</i> , 2020, 154, 103590.	2.1	14
2522	Contamination characteristics, source apportionment, and health risk assessment of heavy metals in agricultural soil in the Hexi Corridor. <i>Catena</i> , 2020, 191, 104573.	2.2	118
2523	Aerial hyperspectral imagery and deep neural networks for high-throughput yield phenotyping in wheat. <i>Computers and Electronics in Agriculture</i> , 2020, 172, 105299.	3.7	54
2524	Rice straw biochar mitigated more N ₂ O emissions from fertilized paddy soil with higher water content than that derived from ex situ biowaste. <i>Environmental Pollution</i> , 2020, 263, 114477.	3.7	49
2525	A review of remote sensing applications in agriculture for food security: Crop growth and yield, irrigation, and crop losses. <i>Journal of Hydrology</i> , 2020, 586, 124905.	2.3	227
2526	Economic growth, convergence, and world food demand and supply. <i>World Development</i> , 2020, 132, 104954.	2.6	128
2527	Sustainable management strategies for bacterial wilt of sweet peppers (<i>Capsicum annuum</i>) and other Solanaceous crops. <i>Journal of Applied Microbiology</i> , 2020, 129, 496-508.	1.4	49
2528	Advancing Agricultural Production With Machine Learning Analytics: Yield Determinants for California's Almond Orchards. <i>Frontiers in Plant Science</i> , 2020, 11, 290.	1.7	21

#	ARTICLE	IF	CITATIONS
2529	Agriculture's Historic Twin-Challenge Toward Sustainable Water Use and Food Supply for All. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	30
2530	Nitrogen Fertilizer Management and Maize Straw Return Modulate Yield and Nitrogen Balance in Sweet Corn. <i>Agronomy</i> , 2020, 10, 362.	1.3	25
2531	To What Extent Are Consumers' Perception and Acceptance of Alternative Meat Production Systems Affected by Information? The Case of Cultured Meat. <i>Animals</i> , 2020, 10, 656.	1.0	56
2532	Agri-Food Markets towards Sustainable Patterns. <i>Sustainability</i> , 2020, 12, 2193.	1.6	106
2533	Influence of Farming Intensity and Climate on Lowland Stream Nitrogen. <i>Water (Switzerland)</i> , 2020, 12, 1021.	1.2	16
2534	Topography and human pressure in mountain ranges alter expected species responses to climate change. <i>Nature Communications</i> , 2020, 11, 1974.	5.8	86
2535	Minimum fertilization at the appearance of the first flower benefits cotton nutrient utilization of nitrogen, phosphorus and potassium. <i>Scientific Reports</i> , 2020, 10, 6815.	1.6	8
2536	Quantifying the Feedback Between Rice Architecture, Physiology, and Microclimate Under Current and Future CO ₂ Conditions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005452.	1.3	5
2537	Over-yielding in temperate silvopastures: a meta-analysis. <i>Agroforestry Systems</i> , 2020, 94, 1741-1758.	0.9	21
2538	Wildflower-pollinator interactions: Which phytochemicals are involved?. <i>Basic and Applied Ecology</i> , 2020, 45, 62-75.	1.2	2
2539	Characterization of a major quantitative trait locus on the short arm of chromosome 4B for spike number per unit area in common wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2020, 133, 2259-2269.	1.8	12
2540	Effects of manure fertilizer on crop yield and soil properties in China: A meta-analysis. <i>Catena</i> , 2020, 193, 104617.	2.2	188
2541	Maize production and environmental costs: Resource evaluation and strategic land use planning for food security in northern Ghana by means of coupled energy and data envelopment analysis. <i>Land Use Policy</i> , 2020, 95, 104490.	2.5	24
2542	A global perspective on sustainable intensification research. <i>Nature Sustainability</i> , 2020, 3, 262-268.	11.5	260
2543	Large climate mitigation potential from adding trees to agricultural lands. <i>Global Change Biology</i> , 2020, 26, 4357-4365.	4.2	58
2544	Integrated systematic approach increase greenhouse tomato yield and reduce environmental losses. <i>Journal of Environmental Management</i> , 2020, 266, 110569.	3.8	11
2545	Mixture of controlled-release and normal urea to improve nitrogen management for maize across contrasting soil types. <i>Agronomy Journal</i> , 2020, 112, 3101-3113.	0.9	14
2546	Nanocatalyst types and their potential impacts in agroecosystems: An overview. , 2020, , 323-344.		8

#	ARTICLE	IF	CITATIONS
2547	Climate change mitigation for Australian wheat production. <i>Science of the Total Environment</i> , 2020, 725, 138260.	3.9	9
2548	Conservation agriculture for sustainable intensification in South Asia. <i>Nature Sustainability</i> , 2020, 3, 336-343.	11.5	135
2549	Energy use and the sustainability of intensifying food production. <i>Nature Sustainability</i> , 2020, 3, 257-259.	11.5	23
2550	Global drivers of food system (un)sustainability: A multi-country correlation analysis. <i>PLoS ONE</i> , 2020, 15, e0231071.	1.1	66
2551	Mapping of QTLs Associated with Yield and Yield Related Traits in Durum Wheat (<i>Triticum durum</i> Desf.) Under Irrigated and Drought Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2372.	1.8	21
2552	Losses in the Grain Supply Chain: Causes and Solutions. <i>Sustainability</i> , 2020, 12, 2342.	1.6	124
2553	Managing soils and crops for sustainable agricultural intensification in coastal saline zones. <i>Agronomy Journal</i> , 2020, 112, 3076-3088.	0.9	4
2554	Toward a sustainable metric and indicators for the goal of sustainability in agricultural and food production. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 1108-1129.	5.4	41
2555	Characterizing the landscape of movement to identify critical wildlife habitat and corridors. <i>Conservation Biology</i> , 2021, 35, 346-359.	2.4	19
2556	A state-of-the-art review of water diplomacy. <i>Environment, Development and Sustainability</i> , 2021, 23, 2337-2357.	2.7	7
2557	Habitat fragmentation affects movement and space use of a specialist folivore, the koala. <i>Animal Conservation</i> , 2021, 24, 26-37.	1.5	21
2558	Projected climate change impacts on mean and year-to-year variability of yield of key smallholder crops in Sub-Saharan Africa. <i>Climate and Development</i> , 2021, 13, 268-282.	2.2	45
2559	Africa 2100: how to feed Nigeria in 2100 with 800 million inhabitants. <i>Organic Agriculture</i> , 2021, 11, 199-208.	1.2	7
2560	Moderate Salinity Stress Reduces Rice Grain Yield by Influencing Expression of Grain Number- and Grain Filling-Associated Genes. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1111-1120.	2.8	6
2561	Antibiotic resistome in the livestock and aquaculture industries: Status and solutions. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 2159-2196.	6.6	109
2562	Plastic film mulching with drip irrigation promotes maize (<i>Zea mays</i> L.) yield and water-use efficiency by improving photosynthetic characteristics. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 191-204.	1.3	12
2563	Nature-based agriculture for an adequate human microbiome. <i>Organic Agriculture</i> , 2021, 11, 225-230.	1.2	2
2564	Phytochemical response in rice (<i>Oryza sativa</i> L.) genotype during the vegetative and reproductive stage under drought stress and non-stress conditions. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2021, 30, 1-12.	0.9	4

#	ARTICLE	IF	CITATIONS
2565	Low-ILUC-risk rapeseed biodiesel: potential and indirect GHG emission effects in Eastern Romania. <i>Biofuels</i> , 2021, 12, 171-186.	1.4	11
2566	Landscape crop diversity and semi-natural habitat affect crop pollinators, pollination benefit and yield. <i>Agriculture, Ecosystems and Environment</i> , 2021, 306, 107189.	2.5	57
2567	Evaluation of aerial and root plant growth behavior, water and nutrient use efficiency and carbohydrate dynamics for Hass avocado grown in a soilless and protected growing system. <i>Scientia Horticulturae</i> , 2021, 277, 109830.	1.7	9
2568	In silico assessment of the potential of basalt amendments to reduce N ₂ O emissions from bioenergy crops. <i>GCB Bioenergy</i> , 2021, 13, 224-241.	2.5	22
2569	Maize-based intercropping systems achieve higher productivity and profitability with lesser environmental footprint in a water-scarce region of northwest China. <i>Food and Energy Security</i> , 2021, 10, e260.	2.0	19
2570	Impacts of land use, population, and climate change on global food security. <i>Food and Energy Security</i> , 2021, 10, e261.	2.0	162
2571	Optimizing wheat production and reducing environmental impacts through scientist-farmer engagement: Lessons from the North China Plain. <i>Food and Energy Security</i> , 2021, 10, e255.	2.0	14
2572	Modelling global impacts of climate variability and trend on maize yield during 1980-2010. <i>International Journal of Climatology</i> , 2021, 41, E1583.	1.5	7
2573	Herbicide Induced Hunger? Conservation Agriculture, <i>Ganyu</i> Labour and Rural Poverty in Central Malawi. <i>Journal of Development Studies</i> , 2021, 57, 244-263.	1.2	15
2574	Bacterial community dynamics and functional profiling of soils from conventional and organic cropping systems. <i>Applied Soil Ecology</i> , 2021, 157, 103734.	2.1	20
2575	Removal of lead and other toxic metals in heavily contaminated soil using biodegradable chelators: GLDA, citric acid and ascorbic acid. <i>Chemosphere</i> , 2021, 263, 127912.	4.2	41
2576	Review of inventory data in life cycle assessment applied in production of fresh tomato in greenhouse. <i>Journal of Cleaner Production</i> , 2021, 282, 124395.	4.6	26
2577	Reactive nitrogen loss from livestock-based food and biofuel production systems considering climate change and dietary transition. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110182.	8.2	6
2578	Sub-Saharan Africa's food nitrogen and phosphorus footprints: A scenario analysis for 2050. <i>Science of the Total Environment</i> , 2021, 752, 141964.	3.9	18
2579	Rice-pasture agroecosystem intensification affects energy use efficiency. <i>Journal of Cleaner Production</i> , 2021, 278, 123771.	4.6	14
2580	Denitrification in wetlands: A review towards a quantification at global scale. <i>Science of the Total Environment</i> , 2021, 754, 142398.	3.9	77
2581	Seed inoculation with <i>Azospirillum brasilense</i> and nitrogen fertilization for no-till cereal production. <i>Agronomy Journal</i> , 2021, 113, 560-576.	0.9	11
2582	Evaluating the saline water irrigation schemes using a distributed agro-hydrological model. <i>Journal of Hydrology</i> , 2021, 594, 125688.	2.3	16

#	ARTICLE	IF	CITATIONS
2583	Exogenous abscisic acid and jasmonic acid restrain polyethylene glycolâ€­induced drought by improving the growth and antioxidative enzyme activities in pearl millet. <i>Physiologia Plantarum</i> , 2021, 172, 809-819.	2.6	59
2584	Impacts of nitrogen practices on yield, grain quality, and nitrogenâ€­use efficiency of crops and soil fertility in three paddyâ€­upland cropping systems. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2218-2226.	1.7	15
2585	Evaluating the effects of plastic film mulching patterns on cultivation of winter wheat in a dryland cropping system on the Loess Plateau, China. <i>Agricultural Water Management</i> , 2021, 244, 106550.	2.4	27
2586	Global environmental and nutritional assessment of national food supply patterns: Insights from a data envelopment analysis approach. <i>Science of the Total Environment</i> , 2021, 755, 142826.	3.9	16
2587	Yield gap analysis of major food crops in Pakistan: prospects for food security. <i>Environmental Science and Pollution Research</i> , 2021, 28, 7994-8011.	2.7	26
2588	Phosphorus Diffusion and Agronomic Efficiency of Chicken Litter Organomineral Fertilizers Improved with Binder Materials. <i>Waste and Biomass Valorization</i> , 2021, 12, 3765-3772.	1.8	3
2589	Does agricultural trade reduce pressure on land ecosystems? Decomposing drivers of the embodied human appropriation of net primary production. <i>Ecological Economics</i> , 2021, 181, 106915.	2.9	34
2590	Does it matter who advises farmers? Pest management choices with public and private extension. <i>Food Policy</i> , 2021, 99, 101995.	2.8	57
2591	The physiological response of photosynthesis to nitrogen deficiency. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 76-82.	2.8	179
2592	Combined effects of agrochemical contamination and forest loss on anuran diversity in agroecosystems of east-central Argentina. <i>Science of the Total Environment</i> , 2021, 759, 143435.	3.9	13
2593	Engineering rhizobacteria for sustainable agriculture. <i>ISME Journal</i> , 2021, 15, 949-964.	4.4	86
2594	Nutrient Management Impacts on Nutrient Use Efficiency and Energy, Carbon, and Net Ecosystem Economic Budget of a Riceâ€­Wheat Cropping System in Northwestern India. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 559-577.	1.7	42
2595	Replacing synthetic fertilizer by manure requires adjusted technology and incentives: A farm survey across China. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105301.	5.3	39
2596	Drainage optimization of paddy field watershed for diffuse phosphorus pollution control and sustainable agricultural development. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107238.	2.5	23
2597	Soil microbial legacy drives crop diversity advantage: Linking ecological plantâ€­soil feedback with agricultural intercropping. <i>Journal of Applied Ecology</i> , 2021, 58, 496-506.	1.9	50
2598	Development of indigenous microbial consortium for biocontrol management. , 2021, , 91-104.		6
2599	Evaluating spatially explicit sharingâ€­sparing scenarios for multiple environmental outcomes. <i>Journal of Applied Ecology</i> , 2021, 58, 655-666.	1.9	18
2600	Reducing nitrogen application with dense planting increases nitrogen use efficiency by maintaining root growth in a double-rice cropping system. <i>Crop Journal</i> , 2021, 9, 805-815.	2.3	29

#	ARTICLE	IF	CITATIONS
2601	Alteration in agronomic practices to utilize rice fallows for higher system productivity and sustainability. <i>Field Crops Research</i> , 2021, 260, 108005.	2.3	16
2602	Fates and fingerprints of sulfur and carbon following wildfire in economically important croplands of California, U.S.. <i>Science of the Total Environment</i> , 2021, 750, 142179.	3.9	5
2603	Changes in agriculture-biodiversity trade-offs in relation to landscape context in the Argentine Chaco. <i>Landscape Ecology</i> , 2021, 36, 703-719.	1.9	6
2604	Melatonin enhances Na ⁺ /K ⁺ homeostasis in rice seedlings under salt stress through increasing the root H ⁺ -pump activity and Na ⁺ /K ⁺ transporters sensitivity to ROS/RNS. <i>Environmental and Experimental Botany</i> , 2021, 182, 104328.	2.0	43
2605	Spatial-temporal dynamics of maize and soybean planted area, harvested area, gross primary production, and grain production in the Contiguous United States during 2008-2018. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108240.	1.9	12
2606	Can ridge-furrow with film and straw mulching improve wheat-maize system productivity and maintain soil fertility on the Loess Plateau of China?. <i>Agricultural Water Management</i> , 2021, 246, 106686.	2.4	30
2607	Assimilation of coupled microwave/thermal infrared soil moisture profiles into a crop model for robust maize yield estimates over Southeast United States. <i>European Journal of Agronomy</i> , 2021, 123, 126208.	1.9	19
2608	Modeling the economic and environmental effects of corn nitrogen management strategies in Illinois. <i>Field Crops Research</i> , 2021, 261, 108000.	2.3	12
2609	Where is the Planetary Boundary for freshwater being exceeded because of livestock farming?. <i>Science of the Total Environment</i> , 2021, 760, 144035.	3.9	10
2610	Woody plant species diversity as a predictor of ecosystem services in a social-ecological system of southwestern Ethiopia. <i>Landscape Ecology</i> , 2021, 36, 373-391.	1.9	18
2611	Combining plant height, canopy coverage and vegetation index from UAV-based RGB images to estimate leaf nitrogen concentration of summer maize. <i>Biosystems Engineering</i> , 2021, 202, 42-54.	1.9	61
2612	Challenges and innovations in achieving zero hunger and environmental sustainability through the lens of sub-Saharan Africa. <i>Outlook on Agriculture</i> , 2021, 50, 141-147.	1.8	4
2613	Proactive conservation to prevent habitat losses to agricultural expansion. <i>Nature Sustainability</i> , 2021, 4, 314-322.	11.5	101
2614	Nutrient saturation of crop monocultures and agroforestry indicated by nutrient response efficiency. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 69-82.	1.1	17
2615	Phosphate mineral accumulation in lake sediment to form a secondary phosphate source: A case study in lake sediment around Eppawala Phosphate Deposit (EPD) in Sri Lanka. <i>International Journal of Sediment Research</i> , 2021, 36, 532-541.	1.8	6
2616	Urbanization-associated farmland loss: A macro-micro comparative study in China. <i>Land Use Policy</i> , 2021, 101, 105228.	2.5	37
2617	Redefining the field to mobilize three-dimensional diversity and ecosystem services on the arable farm. <i>European Journal of Agronomy</i> , 2021, 122, 126197.	1.9	36
2618	Developing farmer typologies to inform conservation outreach in agricultural landscapes. <i>Land Use Policy</i> , 2021, 101, 105157.	2.5	21

#	ARTICLE	IF	CITATIONS
2619	Towards a bioeconomic vision for New Zealand – Unlocking barriers to enable new pathways and trajectories. <i>New Biotechnology</i> , 2021, 60, 138-145.	2.4	3
2620	Quantifying responses of net primary productivity to agricultural expansion in drylands. <i>Land Degradation and Development</i> , 2021, 32, 2050-2060.	1.8	13
2621	Cultivar-dependent increases in mycorrhizal nutrient acquisition by barley in response to elevated CO ₂ . <i>Plants People Planet</i> , 2021, 3, 553-566.	1.6	12
2622	Shade-Tree Rehabilitation in Vanilla Agroforests is Yield Neutral and May Translate into Landscape-Scale Canopy Cover Gains. <i>Ecosystems</i> , 2021, 24, 1253-1267.	1.6	15
2623	Beta diversity and fallow length regulate soil fertility in cocoa agroforestry in the Northern Ecuadorian Amazon. <i>Agricultural Systems</i> , 2021, 187, 103020.	3.2	2
2624	Soil hydro-thermal characteristics, maize yield and water use efficiency as affected by different biodegradable film mulching patterns in a rain-fed semi-arid area of China. <i>Agricultural Water Management</i> , 2021, 245, 106560.	2.4	23
2625	Joint analytical hierarchy and metaheuristic optimization as a framework to mitigate fertilizer-based pollution. <i>Journal of Environmental Management</i> , 2021, 278, 111493.	3.8	8
2626	No tillage with previous plastic covering increases water harvesting and decreases soil CO ₂ emissions of wheat in dry regions. <i>Soil and Tillage Research</i> , 2021, 208, 104883.	2.6	13
2627	Decreasing wheat yield stability on the North China Plain: Relative contributions from climate change in mean and variability. <i>International Journal of Climatology</i> , 2021, 41, E2820.	1.5	11
2628	Pest control services provided by bats in vineyard landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2021, 306, 107207.	2.5	23
2629	A coupled human-natural system analysis of water yield in the Yellow River basin, China. <i>Science of the Total Environment</i> , 2021, 762, 143141.	3.9	30
2630	Sustainable food waste management model for Bangladesh. <i>Sustainable Production and Consumption</i> , 2021, 27, 35-51.	5.7	66
2631	Long-term nitrogen addition impact on agronomic traits, nitrogen uptake and nitrogen resorption efficiency of wheat in a rainfed region. <i>Soil Science Society of America Journal</i> , 2021, 85, 452-467.	1.2	2
2632	Hydrothermal effects on maize productivity with different planting patterns in a rainfed farmland area. <i>Soil and Tillage Research</i> , 2021, 205, 104794.	2.6	16
2633	An innovated crop management scheme for perennial rice cropping system and its impacts on sustainable rice production. <i>European Journal of Agronomy</i> , 2021, 122, 126186.	1.9	15
2634	Latent relationships between environmental impacts of cultivation practices and land market: Evidences from a spatial quantile regression analysis in Italy. <i>Journal of Cleaner Production</i> , 2021, 279, 123648.	4.6	11
2635	Nitrapyrin reduced ammonia oxidation with different impacts on the abundance of bacterial and archaeal ammonia oxidisers in four agricultural soils. <i>Applied Soil Ecology</i> , 2021, 157, 103759.	2.1	13
2636	Physiological analysis of leaf photosynthesis of backcross-derived progenies from soybean (<i>Glycine</i>) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	2

#	ARTICLE	IF	CITATIONS
2637	New insights into interactions of organic substances in poultry slurry with struvite formation: An overestimated concern?. <i>Science of the Total Environment</i> , 2021, 751, 141789.	3.9	16
2638	Sustainable Development in Agriculture and its Antecedents, Barriers and Consequences – An Exploratory Study. <i>Sustainable Production and Consumption</i> , 2021, 27, 298-311.	5.7	55
2639	Salinity and the reclamation of salinized lands. , 2021, , 193-208.		12
2640	Greenhouse gas emissions and net global warming potential of vineyards under different fertilizer and water managements in North China. <i>Agricultural Water Management</i> , 2021, 243, 106521.	2.4	11
2641	Can Experiential Games and Improved Risk Coverage Raise Demand for Index Insurance? Evidence from Kenya. <i>American Journal of Agricultural Economics</i> , 2021, 103, 338-361.	2.4	9
2642	Reduction in global habitat loss from fossil-fuel-dependent increases in cropland productivity. <i>Conservation Biology</i> , 2021, 35, 766-774.	2.4	1
2643	Which impacts more seriously on natural habitat loss and degradation? Cropland expansion or urban expansion?. <i>Land Degradation and Development</i> , 2021, 32, 946-964.	1.8	48
2644	A rare <i>Waxy</i> allele coordinately improves rice eating and cooking quality and grain transparency. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 889-901.	4.1	58
2645	Sustainable and conventional intensification: how gendered livelihoods influence farming practice adoption in the Vietnamese Mekong River Delta. <i>Environment, Development and Sustainability</i> , 2021, 23, 7089-7116.	2.7	3
2646	Financial transition and costs of sustainable agricultural intensification practices on a beef cattle and crop farm in Brazil's Amazon. <i>Renewable Agriculture and Food Systems</i> , 2021, 36, 26-37.	0.8	15
2647	Intercropping: A Substitute but Identical of Biofertilizers. , 2021, , 293-309.		1
2649	A Decision Support Benchmark for Forecasting the Consumption of Agriculture Stocks. <i>IEEE Consumer Electronics Magazine</i> , 2021, , 1-1.	2.3	2
2650	Biofertilizers™ functionality in organic agriculture entrenching sustainability and ecological protection. , 2021, , 211-219.		4
2651	Impacts of Dryland Cropping Systems on Ground Beetle Communities (Coleoptera: Carabidae) in the Northern Great Plains. <i>Journal of Insect Science</i> , 2021, 21, .	0.6	4
2652	Ecological Intensification: A Step Towards Biodiversity Conservation and Management of Terrestrial Landscape. , 2021, , 77-102.		1
2653	Plant Viruses: From Targets to Tools for CRISPR. <i>Viruses</i> , 2021, 13, 141.	1.5	36
2655	Bacterial Mutants for Enhanced Nitrogen Fixation. <i>Soil Biology</i> , 2021, , 349-358.	0.6	1
2656	Eurasian Agricultural Technological Platform for Technical and Technological Modernization of Agriculture in the EAEU Member States: Thematic Research. <i>Lecture Notes in Networks and Systems</i> , 2021, , 653-661.	0.5	1

#	ARTICLE	IF	CITATIONS
2657	Contributions of Nano Biosensors in Managing Environmental Plant Stress Under Climatic Changing Era. , 2021, , 117-137.		2
2658	Interactions between soil compositions and the wheat root microbiome under drought stress: From an in silico to in planta perspective. Computational and Structural Biotechnology Journal, 2021, 19, 4235-4247.	1.9	7
2659	A social-ecological assessment of food security and biodiversity conservation in Ethiopia. Ecosystems and People, 2021, 17, 400-410.	1.3	7
2660	Electrospun composite nanofibers as sensors for food analysis. , 2021, , 261-286.		5
2661	Effects of Food Production and Consumption on Environment and Climate. Lecture Notes in Bioengineering, 2021, , 361-370.	0.3	2
2662	Plant mineral transport systems and the potential for crop improvement. Planta, 2021, 253, 45.	1.6	29
2663	The impact of pRAP vectors on plant genetic transformation and pathogenesis studies including an analysis of <i>BRI1-ASSOCIATED RECEPTOR KINASE 1 (BAK1)</i>-mediated resistance. Journal of Plant Interactions, 2021, 16, 270-283.	1.0	5
2664	Binary Vector Construction for Site-Directed Mutagenesis of <i>Kafirin</i> Genes in Sorghum. American Journal of Plant Sciences, 2021, 12, 1276-1287.	0.3	3
2665	Chapter 9 The Outlook for C4 Crops in Future Climate Scenarios. Advances in Photosynthesis and Respiration, 2021, , 251-281.	1.0	5
2666	Identification and development of novel salt-responsive candidate gene based SSRs (cg-SSRs) and MIR gene based SSRs (mir-SSRs) in bread wheat (<i>Triticum aestivum</i>). Scientific Reports, 2021, 11, 2210.	1.6	12
2667	Food Security and Climate Stabilization: Can Cereal Production Systems Address Both?. Sustainability, 2021, 13, 1223.	1.6	1
2668	Advances in Genetically Modified Plants by Employing Modern Biotechnological Tools: An Update. , 2021, , 495-513.		0
2669	Sustainable management of agricultural resources (agricultural crops and animals). , 2021, , 99-145.		11
2670	The grain production space reconstruction in China since the reform and opening up. Journal of Natural Resources, 2021, 36, 1426.	0.4	3
2671	Strategies for Engineering Photosynthesis for Enhanced Plant Biomass Production. , 2021, , 31-58.		6
2672	Biosynthesis of cofactor-activatable iron-only nitrogenase in <i>Saccharomyces cerevisiae</i>. Microbial Biotechnology, 2021, 14, 1073-1083.	2.0	15
2673	Biochar co-applied with organic amendments increased soil-plant potassium and root biomass but not crop yield. Journal of Soils and Sediments, 2021, 21, 784-798.	1.5	18
2674	Diagnosing multiple disturbances to irrigation systems in Nepal. , 2021, , 199-217.		0

#	ARTICLE	IF	CITATIONS
2675	Economic Impact of Climate Change on Agriculture: Case of Africa. , 2021, , 1-25.		0
2676	CRISPR/Cas13: A Novel and Emerging Tool for RNA Editing in Plants. Concepts and Strategies in Plant Sciences, 2021, , 301-337.	0.6	6
2677	Ecological Intensification for Sustainable Agriculture in South Asia. , 2021, , 171-213.		2
2678	Potato. , 2021, , 550-587.		4
2679	Physical versus economic water footprints in crop production: a spatial and temporal analysis for China. Hydrology and Earth System Sciences, 2021, 25, 169-191.	1.9	13
2680	Cassia species: a potential source of biopesticides. Journal of Plant Diseases and Protection, 2021, 128, 339-351.	1.6	3
2681	New-generative agriculture " based on science, informed by research and honed by New Zealand farmers. Journal of New Zealand Grasslands, 0, 82, 221-229.	0.0	2
2682	Can CRISPRized crops save the global food supply?. , 2021, , 1-14.		1
2683	Overview and Application of Soybean Genomics Study. , 2021, , 37-51.		0
2684	Food security and climate-smart agriculture in the lower Mekong basin of Southeast Asia: evaluating impacts of system of rice intensification with special reference to rainfed agriculture. International Journal of Agricultural Sustainability, 2021, 19, 152-174.	1.3	31
2685	Sustainability responses to climate-smart adaptation in Africa: implication for food security among farm households in the Central Region of Ghana. African Journal of Economic and Management Studies, 2021, 12, 208-227.	0.5	5
2686	Crop Response to Iron Deficiency is Guided by Cross-Talk Between Phytohormones and their Regulation of the Root System Architecture. Agricultural Research, 2021, 10, 347-360.	0.9	6
2687	Genomics, molecular breeding, and phenomics approaches for improvement of abiotic stress tolerance in wheat. , 2021, , 99-122.		0
2688	Development of a Miniaturized Mobile Mapping System for In-Row, Under-Canopy Phenotyping. Remote Sensing, 2021, 13, 276.	1.8	12
2689	Conservation Agriculture: Next-Generation, Climate Resilient Crop Management Practices for Food Security and Environmental Health. , 2021, , 585-609.		1
2690	Assessing the environmental sustainability of local agricultural systems: How and why. Current Research in Environmental Sustainability, 2021, 3, 100028.	1.7	11
2691	Specifics of the legal regulation of environmental management in agriculture. E3S Web of Conferences, 2021, 273, 08027.	0.2	2
2692	Pepper and Eggplant Genetic Resources. Compendium of Plant Genomes, 2021, , 119-154.	0.3	3

#	ARTICLE	IF	CITATIONS
2693	The Impact of Diversified Farming Practices on Terrestrial Biodiversity Outcomes and Agricultural Yield Worldwide: A Systematic Review Protocol. <i>Methods and Protocols</i> , 2021, 4, 8.	0.9	5
2694	Promising Agricultural Management Practices and Soil Threats in Europe and China. <i>Innovations in Landscape Research</i> , 2021, , 195-213.	0.2	0
2695	Mobile Manipulator and EOAT for In-Situ Infected Plant Removal. <i>Mechanisms and Machine Science</i> , 2021, , 274-283.	0.3	3
2696	Sustainable water resource management using surface-groundwater modelling: Motueka-Riwaka Plains, New Zealand. <i>Watershed Ecology and the Environment</i> , 2021, 3, 38-56.	0.6	2
2697	Inorganic smart nanoparticles: a new tool to deliver CRISPR systems into plant cells. , 2021, , 661-686.		0
2698	The Importance of Adopting and Mainstreaming Climate-Smart Diets for Sustained Resilience. , 2021, , 1-13.		0
2699	Application of natural antimicrobial coating for controlling food-borne pathogens on meat and fresh produce. , 2021, , 321-345.		2
2700	Global patterns of carnivore spatial ecology research in agroecosystems. <i>Biodiversity and Conservation</i> , 2021, 30, 257-273.	1.2	4
2702	The protein challenge: matching future demand and supply in Indonesia. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 341-356.	1.9	6
2704	Morphophysiology of Potato (<i>Solanum tuberosum</i>) in Response to Drought Stress: Paving the Way Forward. <i>Frontiers in Plant Science</i> , 2020, 11, 597554.	1.7	34
2705	Increasing farm size to improve energy use efficiency and sustainability in maize production. <i>Food and Energy Security</i> , 2021, 10, e271.	2.0	30
2706	Chapter 10 Climate Change Responses and Adaptations in Crassulacean Acid Metabolism (CAM) Plants. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 283-329.	1.0	5
2707	Brazilian Organic Cotton Network: Sustainable Driver for the Textile and Clothing Sector. <i>Textile Science and Clothing Technology</i> , 2021, , 279-326.	0.4	0
2708	Social networks influence farming practices and agrarian sustainability. <i>PLoS ONE</i> , 2021, 16, e0244619.	1.1	17
2709	Biomass Estimation of Vegetablesâ€”Can Remote Sensing Be a Tool for It?. <i>Urban Book Series</i> , 2021, , 95-102.	0.3	0
2710	Metagenomics Approaches for the Detection and Surveillance of Emerging and Recurrent Plant Pathogens. <i>Microorganisms</i> , 2021, 9, 188.	1.6	55
2711	Mobile Robots: Current Advances and Future Perspectives. <i>Progress in Precision Agriculture</i> , 2021, , 1-15.	1.1	1
2712	Identification of a Novel Bioactive Phenazine Derivative and Regulation of <i>phoP</i> on Its Production in <i>Streptomyces lomondensis</i> S015. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 974-981.	2.4	4

#	ARTICLE	IF	CITATIONS
2713	Sustainable Agriculture: A Way Out to Combat Food Insecurity and Unsafety in the Context of Climate Change in West Africa. , 2021, , 393-413.		0
2714	Local lignocellulosic biofuel and biochar co-production in Sub-Saharan Africa: The role of feedstock provision in economic viability. Energy Economics, 2021, 93, 105031.	5.6	8
2715	Climate variability, crop and conflict: Exploring the impacts of spatial concentration in agricultural production. Journal of Peace Research, 2021, 58, 98-113.	1.5	38
2716	Beet pulp substituted for corn silage and barley grain in diets fed to dairy cows in the summer months: feed intake, total-tract digestibility, and milk production. Animal, 2021, 15, 100063.	1.3	5
2717	Climate Change and Agricultural Sustainable Intensification in the Arid Lands. , 2021, , 103-135.		0
2718	Ecological Intensification for Sustainable Development. , 2021, , 137-170.		25
2719	OsmiR396/growth regulating factor modulate rice grain size through direct regulation of embryo-specific miR408. Plant Physiology, 2021, 186, 519-533.	2.3	36
2720	Day-Night and Inter-Habitat Variations in Ant Assemblages in a Mosaic Agroforestry Landscape. Land, 2021, 10, 179.	1.2	2
2722	Exploitation of Tolerance of Wheat Kernel Weight and Shape-Related Traits from Aegilops tauschii under Heat and Combined Heat-Drought Stresses. International Journal of Molecular Sciences, 2021, 22, 1830.	1.8	12
2723	Growth, ruminal and metabolic parameters and feeding behavior of Nellore cattle with different residual feed intake phenotypes. Livestock Science, 2021, 244, 104393.	0.6	3
2724	Nitrogen Fixing Azotobacter Species as Potential Soil Biological Enhancers for Crop Nutrition and Yield Stability. Frontiers in Microbiology, 2021, 12, 628379.	1.5	136
2725	Practices and Applications of Convolutional Neural Network-Based Computer Vision Systems in Animal Farming: A Review. Sensors, 2021, 21, 1492.	2.1	64
2726	Framing of sustainable agricultural practices by the farming press and its effect on adoption. Agriculture and Human Values, 2021, 38, 753-765.	1.7	19
2727	Global hotspots of conversion risk from multiple crop expansion. Biological Conservation, 2021, 254, 108963.	1.9	4
2728	Farmers' knowledge, attitudes and practices towards management of cassava pests and diseases in forest transition and Guinea savannah agro-ecological zones of Ghana. Gates Open Research, 2020, 4, 101.	2.0	2
2729	Recapitulation of the Function and Role of ROS Generated in Response to Heat Stress in Plants. Plants, 2021, 10, 371.	1.6	69
2730	Within-Population Trait Variation in a Globally Invasive Plant Species Mayweed Chamomile (Anthemis) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	3
2731	Species Richness and Carbon Footprints of Vegetable Oils: Can High Yields Outweigh Palm Oil's Environmental Impact?. Sustainability, 2021, 13, 1813.	1.6	10

#	ARTICLE	IF	CITATIONS
2732	Challenges and opportunities for enhancing food security and greenhouse gas mitigation in smallholder farming in sub-Saharan Africa. A review. <i>Food Security</i> , 2021, 13, 457-476.	2.4	25
2733	Global irrigation contribution to wheat and maize yield. <i>Nature Communications</i> , 2021, 12, 1235.	5.8	61
2734	Financial benefits of reimagined, sustainable, agrifood supply networks. <i>Journal of International Business Policy</i> , 2021, 4, 102-118.	3.5	4
2735	Developmental genetics of maize vegetative shoot architecture. <i>Molecular Breeding</i> , 2021, 41, 1.	1.0	8
2736	International, Transdisciplinary, and Ecohealth Action for Sustainable Agriculture in Asia. <i>Frontiers in Public Health</i> , 2021, 9, 592311.	1.3	5
2737	Spatial variation of technical efficiency of cereal production in China at the farm level. <i>Journal of Integrative Agriculture</i> , 2021, 20, 470-481.	1.7	11
2739	Effects of salicylic acid, zinc and glycine betaine on morpho-physiological growth and yield of maize under drought stress. <i>Scientific Reports</i> , 2021, 11, 3195.	1.6	115
2740	Emerging Technologies for Monitoring Plant Health in Vivo. <i>ACS Omega</i> , 2021, 6, 5101-5107.	1.6	42
2741	Comprehensive analysis of the gene expression profile of wheat at the crossroads of heat, drought and combined stress. <i>Highlights in BioScience</i> , 0, , bs202104.	0.0	4
2742	Teaching an interdisciplinary course in sustainable food systems: science and history meet in a world that works. <i>International Journal of Sustainability in Higher Education</i> , 2023, 24, 138-158.	1.6	5
2743	Household perspective on cropland expansion on the Tibetan Plateau. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	10
2744	Evaluating Non-Market Values of Agroecological and Socio-Cultural Benefits of Diversified Cropping Systems. <i>Environmental Management</i> , 2021, 67, 988-999.	1.2	8
2745	Bottom-Up Transformation of Agriculture and Food Systems. <i>Sustainability</i> , 2021, 13, 2171.	1.6	13
2746	Combining Process Modelling and LAI Observations to Diagnose Winter Wheat Nitrogen Status and Forecast Yield. <i>Agronomy</i> , 2021, 11, 314.	1.3	10
2747	Impacts of Agricultural Capitalization on Regional Paddy Field Change: A Production-Factor Substitution Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1729.	1.2	5
2748	An Electrochemical Study of Ammonium Dihydrogen Phosphate on Mg and Mg Alloy Electrodes. <i>Electrocatalysis</i> , 2021, 12, 251-263.	1.5	6
2749	Estimating the quantum requirements for plant growth and related electricity demand for LED lighting systems. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2021, 16, 35-43.	0.5	2
2750	Regularized deep clustering approach for effective categorization of maize diseases. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 16037-16046.	3.3	2

#	ARTICLE	IF	CITATIONS
2751	Nitrogen Gap Amelioration Is a Core for Sustainable Intensification of Agriculture—A Concept. <i>Agronomy</i> , 2021, 11, 419.	1.3	19
2752	Total and denitrifying bacterial communities associated with the interception of nitrate leaching by carbon amendment in the subsoil. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2559-2572.	1.7	7
2753	Leaf temperature impacts canopy water use efficiency independent of changes in leaf level water use efficiency. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153357.	1.6	9
2754	State-of-the-Art in CRISPR Technology and Engineering Drought, Salinity, and Thermo-tolerant crop plants. <i>Plant Cell Reports</i> , 2022, 41, 815-831.	2.8	29
2755	Agricultural erosion modelling: Evaluating USLE and WEPP field-scale erosion estimates using UAV time-series data. <i>Environmental Modelling and Software</i> , 2021, 137, 104962.	1.9	25
2756	A Comparative Analysis of Quantitative Metrics of Root Architecture. <i>Plant Phenomics</i> , 2021, 2021, 6953197.	2.5	16
2757	Normalized Difference Vegetation Index and Chlorophyll Content for Precision Nitrogen Management in Durum Wheat Cultivars under Semi-Arid Conditions. <i>Sustainability</i> , 2021, 13, 3725.	1.6	42
2758	Technologies enabling rapid crop improvements for sustainable agriculture: example pennycress (<i>Thlaspi arvense</i> L.). <i>Emerging Topics in Life Sciences</i> , 2021, 5, 325-335.	1.1	11
2759	Early Stress Detection in Plant Phenotyping using CNN and LSTM Architecture. , 2021, , .		1
2760	The Impact of Population Growth on Natural Resources and Farmers's Capacity to Adapt to Climate Change in Low-Income Countries. <i>Earth Systems and Environment</i> , 2021, 5, 271-283.	3.0	143
2761	Insects as past and future food in entomophobic Europe. <i>Food, Culture & Society</i> , 2021, 24, 624-638.	0.6	12
2762	The Transition from Small to Large Farms in Developing Economies: A Welfare Analysis. <i>American Journal of Agricultural Economics</i> , 2022, 104, 111-133.	2.4	11
2763	Metabolomics for Biomarker Discovery: Key Signatory Metabolic Profiles for the Identification and Discrimination of Oat Cultivars. <i>Metabolites</i> , 2021, 11, 165.	1.3	20
2764	Grain yields and evapotranspiration dynamics of drip-irrigated maize under high plant density across arid to semi-humid climates. <i>Agricultural Water Management</i> , 2021, 247, 106726.	2.4	26
2765	Spatial Differentiation of Cultivated Land Use Intensification in Village Settings: A Survey of Typical Chinese Villages. <i>Land</i> , 2021, 10, 249.	1.2	5
2766	Phosphorus Transport along the Cropland-Riparian-Stream Continuum in Cold Climate Agroecosystems: A Review. <i>Soil Systems</i> , 2021, 5, 15.	1.0	12
2767	A Comparative Analysis of Soil Loss Tolerance and Productivity of the Olive Groves in the Protected Designation of Origin (PDO) Areas Norte Alentejano (Portugal) and Estepa (Andalusia, Spain). <i>Agronomy</i> , 2021, 11, 665.	1.3	6
2768	Native Grasslands at the Core: A New Paradigm of Intensification for the Campos of Southern South America to Increase Economic and Environmental Sustainability. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	46

#	ARTICLE	IF	CITATIONS
2769	Antimicrobial Resistance and Livestock Trade for Low and Middle Income Countries: Regional Analysis of Global Coordination Policies. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	4
2770	Diversity of Leaf Cuticular Transpiration and Growth Traits in Field-Grown Wheat and <i>Aegilops</i> Genetic Resources. <i>Agronomy</i> , 2021, 11, 522.	1.3	3
2771	Genomic prediction enables rapid selection of high-performing genets in an intermediate wheatgrass breeding program. <i>Plant Genome</i> , 2021, 14, e20080.	1.6	21
2772	Review on unmanned aerial vehicles, remote sensors, imagery processing, and their applications in agriculture. <i>Agronomy Journal</i> , 2021, 113, 971-992.	0.9	40
2773	Optimizing the growth of forage and grain legumes on low pH soils through the application of superior <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> strains. <i>Grass and Forage Science</i> , 2021, 76, 44-56.	1.2	7
2774	Production of Endotoxin-Free Microbial Biomass for Food Applications by Gas Fermentation of Gram-Positive H ₂ -Oxidizing Bacteria. <i>ACS Food Science & Technology</i> , 2021, 1, 470-479.	1.3	16
2775	A survey of high resolution image processing techniques for cereal crop growth monitoring. <i>Information Processing in Agriculture</i> , 2022, 9, 300-315.	2.9	12
2776	Yield and antiyield genes in common bean (<i>Phaseolus vulgaris</i> L.)., 2021, 3, e91.		3
2777	Advancing organelle genome transformation and editing for crop improvement. <i>Plant Communications</i> , 2021, 2, 100141.	3.6	47
2778	Soil health and well-being: Redefining soil health based upon a plurality of values. <i>Soil Security</i> , 2021, 2, 100004.	1.2	11
2779	Cutting environmental footprints of maize systems in China through Nutrient Expert management. <i>Journal of Environmental Management</i> , 2021, 282, 111956.	3.8	18
2780	Rock phosphate solubilization by abiotic and fungal-produced oxalic acid: reaction parameters and bioleaching potential. <i>Microbial Biotechnology</i> , 2022, 15, 1189-1202.	2.0	10
2781	Combining Ability and Heterosis of Algerian Saharan Maize Populations (<i>Zea mays</i> L.) for Tolerance to No-Nitrogen Fertilization and Drought. <i>Agronomy</i> , 2021, 11, 492.	1.3	7
2782	Dietary pattern changes over Africa and its implication for land requirements for food. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2021, 26, 1.	1.0	1
2783	Best management practices scenario analysis to reduce agricultural nitrogen loads and sediment yield to the semiarid Mar Menor coastal lagoon (Spain). <i>Agricultural Systems</i> , 2021, 188, 103029.	3.2	21
2784	Mapping the Dynamics of Winter Wheat in the North China Plain from Dense Landsat Time Series (1999) Tj ETQq1_1_0.784314 rgBT /Dv	1.8	10
2785	Optimization of deficit irrigation and nitrogen fertilizer management for peanut production in an arid region. <i>Scientific Reports</i> , 2021, 11, 5456.	1.6	27
2786	A Brief History of the Fertilizer Nitrogen. <i>Indian Journal of History of Science</i> , 2021, 56, 60-64.	0.1	1

#	ARTICLE	IF	CITATIONS
2787	Arable lands under the pressure of multiple land degradation processes. A global perspective. <i>Environmental Research</i> , 2021, 194, 110697.	3.7	165
2788	Nitrous oxide emissions in maize on mollisols in the Pampas of Argentina. <i>Geoderma Regional</i> , 2021, 24, e00362.	0.9	6
2789	Biodiversity models need to represent land-use intensity more comprehensively. <i>Global Ecology and Biogeography</i> , 2021, 30, 924-932.	2.7	25
2790	Alternatives to Meat and Dairy. <i>Annual Review of Food Science and Technology</i> , 2021, 12, 29-50.	5.1	29
2791	Yield and nutrient uptake dissected through complementarity and selection effects in the maize/soybean intercropping. <i>Food and Energy Security</i> , 2021, 10, 379-393.	2.0	19
2792	Perceptions of Members of Households Regarding the Production and Marketing of Moringa (Moringa) Tj ETQq1 1 0,784314,0gBT /Over	0.1	0
2793	Plant Volatiles of Lettuce and Chicory Cultivated in Aquaponics Are Associated to Their Microbial Community. <i>Microorganisms</i> , 2021, 9, 580.	1.6	5
2794	Evaluating Precision Nitrogen Management Practices in Terms of Yield, Nitrogen Use Efficiency and Nitrogen Loss Reduction in Maize Crop Under Indian Conditions. <i>International Journal of Plant Production</i> , 2021, 15, 243-260.	1.0	6
2796	Editorial: Fungal Wheat Diseases: Etiology, Breeding, and Integrated Management. <i>Frontiers in Plant Science</i> , 2021, 12, 671060.	1.7	29
2797	What differentiates food-related environmental footprints of rural Chinese households?. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105347.	5.3	18
2798	Actions on sustainable food production and consumption for the post-2020 global biodiversity framework. <i>Science Advances</i> , 2021, 7, .	4.7	51
2799	Genomic characterization and computational phenotyping of nitrogen-fixing bacteria isolated from Colombian sugarcane fields. <i>Scientific Reports</i> , 2021, 11, 9187.	1.6	10
2800	Rangeland Ecosystem Service Markets: Panacea or Wicked Problem?. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	3
2801	Delineating the Tnt1 Insertion Landscape of the Model Legume <i>Medicago truncatula</i> cv. R108 at the Hi-C Resolution Using a Chromosome-Length Genome Assembly. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4326.	1.8	13
2802	Comprehensive analysis of SUSIBA2 rice: The low-methane trait and associated changes in soil carbon and microbial communities. <i>Science of the Total Environment</i> , 2021, 764, 144508.	3.9	5
2803	Coordinated intensification to reconcile the "zero hunger"™ and "life on land"™ Sustainable Development Goals. <i>Journal of Environmental Management</i> , 2021, 284, 112032.	3.8	13
2804	Need for speed: manipulating plant growth to accelerate breeding cycles. <i>Current Opinion in Plant Biology</i> , 2021, 60, 101986.	3.5	41
2805	No Tillage With Plastic Re-mulching Maintains High Maize Productivity via Regulating Hydrothermal Effects in an Arid Region. <i>Frontiers in Plant Science</i> , 2021, 12, 649684.	1.7	14

#	ARTICLE	IF	CITATIONS
2806	Performance of the Two-Source Energy Balance (TSEB) Model as a Tool for Monitoring the Response of Durum Wheat to Drought by High-Throughput Field Phenotyping. <i>Frontiers in Plant Science</i> , 2021, 12, 658357.	1.7	15
2807	Assessment of Cereal Self-sufficiency and Food Balance Projection in Afghanistan. <i>Asian Journal of Agricultural Extension Economics & Sociology</i> , 0, , 38-51.	0.1	3
2808	Assessing the Outbreak Risk of Epidemics Using Fuzzy Evidential Reasoning. <i>Risk Analysis</i> , 2021, 41, 2046-2064.	1.5	3
2809	Spatial Analysis of Yield Trends and Impact of Temperature for Wheat Crop Across Indian Districts. <i>International Journal of Plant Production</i> , 2021, 15, 325-335.	1.0	4
2810	Partial film mulch returns the same gains in yield and water use efficiency as full film mulch with reduced cost and lower pollution: a meta-analysis. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5956-5962.	1.7	7
2811	Plant virus disease management by two modern applications (dsRNA nano-clay sheet and CRISPR/Cas). <i>Archives of Phytopathology and Plant Protection</i> , 2021, 54, 1292-1304.	0.6	3
2812	Socioeconomic Determinants of Crop Diversity and Its Effect on Farmer Income in Guangxi, Southern China. <i>Agriculture (Switzerland)</i> , 2021, 11, 336.	1.4	9
2813	Grazing impacts on ecosystem functions exceed those from mowing. <i>Plant and Soil</i> , 2021, 464, 579.	1.8	6
2814	Natural and managed soil structure: On the fragile scaffolding for soil functioning. <i>Soil and Tillage Research</i> , 2021, 208, 104912.	2.6	70
2815	Root NRT, NiR, AMT, GS, GOGAT and GDH expression levels reveal NO and ABA mediated drought tolerance in <i>Brassica juncea</i> L.. <i>Scientific Reports</i> , 2021, 11, 7992.	1.6	21
2816	Discriminating the impact of Na ⁺ and Cl ⁻ in the deleterious effects of salt stress on the African rice species (<i>Oryza glaberrima</i> Steud.). <i>Plant Growth Regulation</i> , 2021, 94, 201-219.	1.8	14
2817	Animal-based foods have high social and climate costs. <i>Nature Food</i> , 2021, 2, 274-281.	6.2	25
2818	Synthesis, Antimicrobial Activity, and Molecular Docking of Benzoic Hydrazide or Amide Derivatives Containing a 1,2,3-Triazole Group as Potential SDH Inhibitors. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1319-1330.	2.6	12
2819	Molecular mechanisms of plant tolerance to heat stress: current landscape and future perspectives. <i>Plant Cell Reports</i> , 2021, 40, 2247-2271.	2.8	51
2820	Broadening the impact of plant science through innovative, integrative, and inclusive outreach. <i>Plant Direct</i> , 2021, 5, e00316.	0.8	14
2821	Assessing Agri-Food Start-Ups Sustainability in Peri-Urban Agriculture Context. <i>Land</i> , 2021, 10, 384.	1.2	4
2822	Responses of bimetallic Ag/ZnO alloy nanoparticles and urea on morphological and physiological attributes of wheat. <i>IET Nanobiotechnology</i> , 2021, 15, 602-610.	1.9	10
2823	Double cropping and cropland expansion boost grain production in Brazil. <i>Nature Food</i> , 2021, 2, 264-273.	6.2	28

#	ARTICLE	IF	CITATIONS
2825	Crop response to El Niño-Southern Oscillation related weather variation to help farmers manage their crops. <i>Scientific Reports</i> , 2021, 11, 8292.	1.6	2
2826	Multi-Actors' Co-Implementation of Climate-Smart Village Approach in West Africa: Achievements and Lessons Learnt. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	5
2827	Nitrogen Dynamics: Quantifying and Differentiating Fluxes in a Riparian Wetland Soil. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1254-1264.	1.2	3
2828	Straw application and soil organic carbon change: A meta-analysis. <i>Soil and Water Research</i> , 2021, 16, 112-120.	0.7	12
2829	Understanding soil nitrogen processes in diversified vegetable systems through agroecosystem modelling. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 49-68.	1.1	3
2830	Low-pyrolysis-temperature biochar promoted free-living N ₂ -fixation in calcareous purple soil by affecting diazotrophic composition. <i>Geoderma</i> , 2021, 388, 114969.	2.3	11
2831	The Sustainability Assessment of Plantation Agriculture - A Systematic Review of Sustainability Indicators. <i>Sustainable Production and Consumption</i> , 2021, 26, 892-910.	5.7	19
2832	Positive Effects of Crop Diversity on Productivity Driven by Changes in Soil Microbial Composition. <i>Frontiers in Microbiology</i> , 2021, 12, 660749.	1.5	59
2833	Evaluating the sustainable intensification of cultivated land use based on emergy analysis. <i>Technological Forecasting and Social Change</i> , 2021, 165, 120449.	6.2	41
2834	Revisiting "Additional Carbon" Tracking Atmosphere "Ecosystem Carbon Exchange to Establish Mitigation and Negative Emissions From Bio-Based Systems. <i>Frontiers in Climate</i> , 2021, 3, .	1.3	1
2837	A genomics resource for genetics, physiology, and breeding of West African sorghum. <i>Plant Genome</i> , 2021, 14, e20075.	1.6	14
2838	Effects of farm type on food production, landscape openness, grassland biodiversity, and greenhouse gas emissions in mixed agricultural-forestry regions. <i>Agricultural Systems</i> , 2021, 189, 103071.	3.2	14
2839	Towards an enhanced indication of provisioning ecosystem services in agro-ecosystems. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 269.	1.3	16
2840	Conservation agriculture practices have changed habitat use by rodent pests: implications for management of feral house mice. <i>Journal of Pest Science</i> , 2022, 95, 493-503.	1.9	21
2841	Will reaching the maximum achievable yield potential meet future global food demand?. <i>Journal of Cleaner Production</i> , 2021, 294, 126285.	4.6	80
2842	Improving maize production and decreasing nitrogen residue in soil using mulched drip fertigation. <i>Agricultural Water Management</i> , 2021, 251, 106871.	2.4	12
2843	Integrating Straw Management and Seeding to Improve Seed Yield and Reduce Environmental Impacts in Soybean Production. <i>Agronomy</i> , 2021, 11, 1033.	1.3	2
2844	How rationality, morality, and fear shape willingness to carry out organic crop cultivation: a case study of farmers in southwestern Iran. <i>Environment, Development and Sustainability</i> , 2022, 24, 2145-2163.	2.7	13

#	ARTICLE	IF	CITATIONS
2845	The land carrying capacity and environmental risk assessment of livestock and poultry breeding considering crop planting. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51356-51368.	2.7	10
2846	Redesigning Food. , 2021, , 192-243.		0
2847	Optimizing pollinator conservation and crop yield among perennial bioenergy crops. <i>GCB Bioenergy</i> , 2021, 13, 1030-1042.	2.5	5
2848	Uncovering the Past and Future Climate Drivers of Wheat Yield Shocks in Europe With Machine Learning. <i>Earth's Future</i> , 2021, 9, e2020EF001815.	2.4	15
2849	Worldwide water constraints on attainable irrigated production for major crops. <i>Environmental Research Letters</i> , 2021, 16, 055016.	2.2	11
2850	Ectopic Expression of a Heterologous Glutaredoxin Enhances Drought Tolerance and Grain Yield in Field Grown Maize. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5331.	1.8	8
2851	Deploying viscosity and starch polymer properties to predict cooking and eating quality models: A novel breeding tool to predict texture. <i>Carbohydrate Polymers</i> , 2021, 260, 117766.	5.1	15
2852	Autonomous Remote - monitoring Low - cost Agricultural System. , 2021, , .		0
2853	Pyrolysis of invasive woody vegetation for energy and biochar has climate change mitigation potential. <i>Science of the Total Environment</i> , 2021, 770, 145278.	3.9	10
2854	Plant cell wall chemistry: implications for ruminant utilisation. <i>Journal of Applied Animal Nutrition</i> , 2021, 9, 31-56.	0.3	10
2855	Increased Organic Fertilizer and Reduced Chemical Fertilizer Increased Fungal Diversity and the Abundance of Beneficial Fungi on the Grape Berry Surface in Arid Areas. <i>Frontiers in Microbiology</i> , 2021, 12, 628503.	1.5	11
2856	Future direction of agrochemical development for plant disease in China. <i>Food and Energy Security</i> , 2021, 10, e293.	2.0	21
2857	Suitability of an Algal Biofuel Species, <i>Scenedesmus acutus</i> , as a Fertilizer for Growth of Conventional and Genetically Modified Lettuce. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 589-594.	0.5	0
2858	Effects of application of plant growth promoters, biological control agents and microbial soil additives on photosynthetic efficiency, canopy vegetation indices and yield of common buckwheat (<i>Fagopyrum esculentum</i> Moench). <i>Biological Agriculture and Horticulture</i> , 2021, 37, 234-251.	0.5	9
2859	Seed biostimulant <i>Bacillus</i> sp. MGW9 improves the salt tolerance of maize during seed germination. <i>AMB Express</i> , 2021, 11, 74.	1.4	17
2860	Controlled-release urea improved cotton productivity and nitrogen use efficiency in China: A meta-analysis. <i>Agronomy Journal</i> , 2021, 113, 2251-2259.	0.9	7
2861	Label-free non-invasive classification of rice seeds using optical coherence tomography assisted with deep neural network. <i>Optics and Laser Technology</i> , 2021, 137, 106861.	2.2	12
2862	A New Method for Winter Wheat Mapping Based on Spectral Reconstruction Technology. <i>Remote Sensing</i> , 2021, 13, 1810.	1.8	5

#	ARTICLE	IF	CITATIONS
2863	Environmental and economic performance of paddy field-based crop-livestock systems in Southern Brazil. <i>Agricultural Systems</i> , 2021, 190, 103109.	3.2	11
2864	Prospects for plant productivity: from the canopy to the nucleus. <i>Journal of Experimental Botany</i> , 2021, 72, 3931-3935.	2.4	3
2865	Sustainable intensification to coordinate agricultural efficiency and environmental protection: a systematic review based on metrological visualization. <i>Journal of Land Use Science</i> , 2021, 16, 313-338.	1.0	20
2866	Nitrogen Supply Affects Grain Yield by Regulating Antioxidant Enzyme Activity and Photosynthetic Capacity of Maize Plant in the Loess Plateau. <i>Agronomy</i> , 2021, 11, 1094.	1.3	16
2867	The Relationship Between Landscape Diversity and Crops Productivity: Landscape Scale Study. <i>Journal of Landscape Ecology(Czech Republic)</i> , 2021, 14, 39-58.	0.2	9
2868	Impact of soil thickness on productivity and nitrate leaching from sloping cropland in the upper Yangtze River Basin. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107266.	2.5	14
2869	Raised bed planting reduces waterlogging and increases yield in wheat following rice. <i>Field Crops Research</i> , 2021, 265, 108119.	2.3	23
2870	3D Point Cloud on Semantic Information for Wheat Reconstruction. <i>Agriculture (Switzerland)</i> , 2021, 11, 450.	1.4	7
2871	Aqueous and Ethanolic Plant Extracts as Bio-Insecticides”Establishing a Bridge between Raw Scientific Data and Practical Reality. <i>Plants</i> , 2021, 10, 920.	1.6	24
2872	A synthetic C4 shuttle via the Î ² -hydroxyaspartate cycle in C3 plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
2873	Cropland redistribution to marginal lands undermines environmental sustainability. <i>National Science Review</i> , 2022, 9, nwab091.	4.6	71
2874	Phenotypic Trait Variation in Populations of a Global Invader Mayweed Chamomile (<i>Anthemis cotula</i>): Implications for Weed Management. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	2
2875	Early responses to salt stress in quinoa genotypes with opposite behavior. <i>Physiologia Plantarum</i> , 2021, 173, 1392-1420.	2.6	10
2876	State and scope of U.S. soil health legislation: A qualitative policy analysis. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 0, , 1-22.	2.4	1
2877	<i>Ascophyllum nodosum</i> Based Extracts Counteract Salinity Stress in Tomato by Remodeling Leaf Nitrogen Metabolism. <i>Plants</i> , 2021, 10, 1044.	1.6	19
2878	Effect of Processed Beverage By-Product-Based Diets on Biological Parameters, Conversion Efficiency and Body Composition of <i>Hermetia illucens</i> (L) (Diptera: Stratiomyidae). <i>Insects</i> , 2021, 12, 475.	1.0	11
2879	Multiple cropping alone does not improve year-round food security among smallholders in rural India. <i>Environmental Research Letters</i> , 2021, 16, 065017.	2.2	4
2880	A new attention-based CNN approach for crop mapping using time series Sentinel-2 images. <i>Computers and Electronics in Agriculture</i> , 2021, 184, 106090.	3.7	52

#	ARTICLE	IF	CITATIONS
2881	Sustainability Interventions on Agro-Ecosystems: An Experience from Yunnan Province, China. <i>Sustainability</i> , 2021, 13, 5698.	1.6	2
2882	Internet of Things and Machine Learning Applications for Smart Precision Agriculture. , 0, , .		9
2883	The bioavailability of phosphorus in composite vs. hybrid maize differ with phosphorus and boron fertilization. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 738-750.	0.8	15
2884	Measuring the Impact of the Multiple Cropping Index of Cultivated Land during Continuous and Rapid Rise of Urbanization in China: A Study from 2000 to 2015. <i>Land</i> , 2021, 10, 491.	1.2	15
2885	Wetland Conservation: Challenges Related to Water Law and Farm Policy. <i>Wetlands</i> , 2021, 41, 1.	0.7	19
2886	The Impact of Climate Change on Agricultural Insect Pests. <i>Insects</i> , 2021, 12, 440.	1.0	347
2887	Modern agricultural value chains and the future of smallholder farming systems. <i>Agricultural Economics (United Kingdom)</i> , 2021, 52, 591-606.	2.0	9
2888	Water productivity in maize, at different levels of deficit irrigation in humid climate. <i>Agrociencia Uruguay</i> , 2021, 25, .	0.1	1
2889	Field-level factors for closing yield gaps in high-yielding rice systems of Uruguay. <i>Field Crops Research</i> , 2021, 264, 108097.	2.3	32
2890	Nitrogen nutrition index and forage yield explain nitrogen utilization efficiency in hybrid ryegrasses under different nitrogen availabilities. <i>Field Crops Research</i> , 2021, 265, 108101.	2.3	7
2891	Environmental conservation policy can bend the trend of future forest losses in the oriental Amazon. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	5
2892	Dissection of the Genetic Basis of Yield-Related Traits in the Chinese Peanut Mini-Core Collection Through Genome-Wide Association Studies. <i>Frontiers in Plant Science</i> , 2021, 12, 637284.	1.7	18
2893	Wild gardening as a sustainable intensification strategy in northwest Cambodian smallholder systems. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 0, , 1-20.	2.4	1
2894	<i>Aspergillus niger</i> as a key to unlock fixed phosphorus in highly weathered soils. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108190.	4.2	13
2895	Novel water-soluble polymer coatings control NPK release rate, improve soil quality and maize productivity. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51239.	1.3	9
2896	29. Determination of wheat rust severity using hyperspectral imagery and 3D plant reconstruction modelling. , 2021, , .		0
2897	Transcriptome profiling reveals the spatial-temporal dynamics of gene expression essential for soybean seed development. <i>BMC Genomics</i> , 2021, 22, 453.	1.2	5
2898	EVALUATION OF SAR TO OPTICAL IMAGE TRANSLATION USING CONDITIONAL GENERATIVE ADVERSARIAL NETWORK FOR CLOUD REMOVAL IN A CROP DATASET. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2021, 823-828.	0.2	1

#	ARTICLE	IF	CITATIONS
2899	Identification and characterization of circRNAs in maize seedlings under deficient nitrogen. <i>Plant Biology</i> , 2021, 23, 850-860.	1.8	9
2900	Benthic Invertebrate Indices Show No Response to High Nitrate-Nitrogen in Lowland Agricultural Streams. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	1
2901	Influence of rice varieties, organic manure and water management on greenhouse gas emissions from paddy rice soils. <i>PLoS ONE</i> , 2021, 16, e0253755.	1.1	25
2902	Antimicrobial resistance in the farm-to-plate continuum: more than a food safety issue. <i>Future Science OA</i> , 2021, 7, FSO692.	0.9	24
2903	Genetic control of panicle architecture in rice. <i>Crop Journal</i> , 2021, 9, 590-597.	2.3	29
2904	Single-molecule long-read sequencing reveals extensive genomic and transcriptomic variation between maize and its wild relative teosinte (<i>Zea mays</i> ssp. <i>parviglumis</i>). <i>Molecular Ecology Resources</i> , 2022, 22, 272-282.	2.2	4
2905	Production of dallisgrass in response to NPK fertilizer in southwest China and its implications for cultivation. <i>Grassland Science</i> , 2021, 67, 285-298.	0.6	3
2906	Local impacts of climate change on winter wheat in Great Britain. <i>Royal Society Open Science</i> , 2021, 8, 201669.	1.1	9
2907	Global analysis of phosphorus fertilizer use efficiency in cereal crops. <i>Global Food Security</i> , 2021, 29, 100545.	4.0	38
2908	Biochar effects on yield of cereal and legume crops using meta-analysis. <i>Science of the Total Environment</i> , 2021, 775, 145869.	3.9	63
2909	<i>Oryza sativa</i> , <i>C4HC3</i> type really interesting new gene (RING), <i>OsRFPv6</i> , is a positive regulator in response to salt stress by regulating Na ⁺ absorption. <i>Physiologia Plantarum</i> , 2021, 173, 883-895.	2.6	15
2910	Rice intercropping with water mimosa (<i>Neptunia oleracea</i> Lour.) can facilitate soil N utilization and alleviate apparent N loss. <i>Agriculture, Ecosystems and Environment</i> , 2021, 313, 107378.	2.5	6
2911	Enhancing rice grain production by manipulating the naturally evolved cis-regulatory element-containing inverted repeat sequence of <i>OsREM20</i> . <i>Molecular Plant</i> , 2021, 14, 997-1011.	3.9	19
2912	Massive soybean expansion in South America since 2000 and implications for conservation. <i>Nature Sustainability</i> , 2021, 4, 784-792.	11.5	153
2913	Effect of biological, organic and mineral fertilization on the concentrations of some macro and micro nutrients in cauliflower plant (<i>Brassica oleracea</i> L.). <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 779, 012121.	0.2	1
2914	DETERMINATION OF REGIONS SUITABLE FOR AGRICULTURE IN THE GORDON COSENS FOREST OF ONTARIO BY MEANS OF ANALYTICAL HIERARCHY PROCESS WITH FUZZY LOGIC INFERENCE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B3-2021, 623-629.	0.2	0
2915	The Brown Seaweeds of Scotland, Their Importance and Applications. <i>Environments - MDPI</i> , 2021, 8, 59.	1.5	7
2916	Systemic risk and food security. Emerging trends and future avenues for research. <i>Global Food Security</i> , 2021, 29, 100547.	4.0	26

#	ARTICLE	IF	CITATIONS
2917	Converting loess into zeolite for heavy metal polluted soil remediation based on a soil for soil-remediation strategy. <i>Journal of Hazardous Materials</i> , 2021, 412, 125199.	6.5	42
2918	Towards delivering on the sustainable development goals in greenhouse production systems. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105379.	5.3	35
2919	Soil fertility quality assessment based on geographically weighted principal component analysis (GWPCA) in large-scale areas. <i>Catena</i> , 2021, 201, 105197.	2.2	14
2920	Soil, senescence and exudate utilisation: characterisation of the Paragon var. spring bread wheat root microbiome. <i>Environmental Microbiomes</i> , 2021, 16, 12.	2.2	19
2921	Achieving global food security by focusing on nitrogen efficiency potentials and local production. <i>Global Food Security</i> , 2021, 29, 100536.	4.0	63
2922	Effect of Fe, Zn and Cu on quantity and quality characteristics and nutrient accumulation in wheat. <i>Journal of Crop Science and Biotechnology</i> , 2021, 24, 469-476.	0.7	3
2923	Carbon footprint for wheat and maize production modulated by farm size: a study in the North China plain. <i>International Journal of Climate Change Strategies and Management</i> , 2021, 13, 302-319.	1.5	14
2924	Urban agriculture – A necessary pathway towards urban resilience and global sustainability?. <i>Landscape and Urban Planning</i> , 2021, 210, 104055.	3.4	140
2925	Historical decrease in agricultural landscape diversity is associated with shifts in bumble bee species occurrence. <i>Ecology Letters</i> , 2021, 24, 1800-1813.	3.0	43
2926	Inter-annual climate variability constrains rice genetic improvement in China. <i>Food and Energy Security</i> , 2021, 10, e299.	2.0	5
2927	Assessing the Suitability of Elite Lines for Hybrid Seed Production and as Testers in Wide Crosses With Wheat Genetic Resources. <i>Frontiers in Plant Science</i> , 2021, 12, 689825.	1.7	3
2928	Promoting Sustainable and Healthy Diets to Mitigate Food Insecurity Amidst Economic and Health Crises in Lebanon. <i>Frontiers in Nutrition</i> , 2021, 8, 697225.	1.6	10
2929	Genomic Prediction across Structured Hybrid Populations and Environments in Maize. <i>Plants</i> , 2021, 10, 1174.	1.6	5
2930	Determinants of adoption of organic rice production: a case of smallholder farmers in Hai Lang district of Vietnam. <i>International Journal of Social Economics</i> , 2021, 48, 1463-1475.	1.1	8
2931	Predictable patterns of unsustainable intensification. <i>International Journal of Agricultural Sustainability</i> , 2022, 20, 461-477.	1.3	6
2932	Biochemical and Genetic Approaches Improving Nitrogen Use Efficiency in Cereal Crops: A Review. <i>Frontiers in Plant Science</i> , 2021, 12, 657629.	1.7	41
2933	Combined application of the EM-DEA and EX-ACT approaches for integrated assessment of resource use efficiency, sustainability and carbon footprint of smallholder maize production practices in sub-Saharan Africa. <i>Journal of Cleaner Production</i> , 2021, 302, 126132.	4.6	15
2934	Implications of intra-plot heterogeneity for yield estimation accuracy: Evidence from smallholder maize systems in Ethiopia. <i>Field Crops Research</i> , 2021, 267, 108147.	2.3	6

#	ARTICLE	IF	CITATIONS
2935	An Optimization Scheme of Balancing GHG Emission and Income in Circular Agriculture System. Sustainability, 2021, 13, 7154.	1.6	2
2936	Optimizing nitrogen supply promotes biomass, physiological characteristics and yield components of soybean (<i>Glycine max</i> L. Merr.). Saudi Journal of Biological Sciences, 2021, 28, 6209-6217.	1.8	11
2937	Design of Multifunctional Seedbed Planting Robot Based on MobileNetV2-SSD. , 2021, , .		3
2938	Adoption of Good Agricultural Practice to Increase Yield and Profit of Ginger Farming in Nepal. Journal of Horticultural Research, 2021, 29, 55-66.	0.4	6
2939	Rewilding crops for climate resilience: economic analysis and <i>de novo</i> domestication strategies. Journal of Experimental Botany, 2021, 72, 6123-6139.	2.4	52
2940	Designing the Crops for the Future; The CropBooster Program. Biology, 2021, 10, 690.	1.3	12
2941	What Is the Environmental Impact of Wine Entering Global Value Chains? Studying the Evolution of CO2 Emissions from the Export of Spanish Denomination of Origin Wines. Foods, 2021, 10, 1664.	1.9	5
2942	A Hybrid Optimisation Model for Land Allocation and Storage Sizing in Agro-Food System. Process Integration and Optimization for Sustainability, 2021, 5, 729-743.	1.4	5
2943	Understanding Factors Influencing Farmers' Engagement in Watershed Management Activities. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	0
2944	Consequences of underexplored variation in biodiversity indices used for land-use prioritization. Ecological Applications, 2021, 31, e02396.	1.8	2
2945	<i>In Planta</i> Nanosensors: Understanding Biocorona Formation for Functional Design. ACS Sensors, 2021, 6, 2802-2814.	4.0	22
2946	Overcompensation Can Be an Ideal Breeding Target. Agronomy, 2021, 11, 1376.	1.3	2
2947	An Operational Framework for Mapping Irrigated Areas at Plot Scale Using Sentinel-1 and Sentinel-2 Data. Remote Sensing, 2021, 13, 2584.	1.8	20
2948	Simulation of Irrigation Demand and Control in Catchments – A Review of Methods and Case Studies. Water Resources Research, 2021, 57, e2020WR029263.	1.7	7
2949	Scientific breeding of winter bread wheat in the Non-Đjhernozem zone of Russia: the history, methods and results. Vavilovskii Zhurnal Genetiki I Seleksii, 2021, 25, 367-373.	0.4	12
2950	Male Fertility Genes in Bread Wheat (<i>Triticum aestivum</i> L.) and Their Utilization for Hybrid Seed Production. International Journal of Molecular Sciences, 2021, 22, 8157.	1.8	11
2951	Seed coating by biofertilizer containing spores of <i>Bacillus pumilus</i> TUAT1 strain enhanced initial growth of <i>Oryza sativa</i> L.Á. Agronomy Journal, 2021, 113, 3708-3717.	0.9	8
2952	Increasing seeding density under limited irrigation improves crop yield and water productivity of winter wheat by constructing a reasonable population architecture. Agricultural Water Management, 2021, 253, 106951.	2.4	25

#	ARTICLE	IF	CITATIONS
2953	Balancing food security and environmental sustainability by optimizing seasonal-spatial crop production in Bangladesh. <i>Environmental Research Letters</i> , 2021, 16, 074046.	2.2	5
2954	Current challenges in plant breeding to achieve zero hunger and overcome biotic and abiotic stresses induced by the global climate changes: A review. <i>Journal of Plant Science and Phytopathology</i> , 2021, 5, 053-057.	0.4	4
2955	CRISPR-based genome editing technology and its applications in oil crops. <i>Oil Crop Science</i> , 2021, 6, 105-113.	0.9	9
2956	Overview of Research on Sustainable Agriculture in Developing Countries. The Case of Mexico. <i>Sustainability</i> , 2021, 13, 8563.	1.6	1
2957	A meta-analysis of projected global food demand and population at risk of hunger for the period 2010–2050. <i>Nature Food</i> , 2021, 2, 494-501.	6.2	530
2958	Factors affecting the implementation of intercropping technology of food crops on upland. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 807, 032033.	0.2	1
2959	Agricultural Landscape Transformation Needed to Meet Water Quality Goals in the Yahara River Watershed of Southern Wisconsin. <i>Ecosystems</i> , 2022, 25, 507-525.	1.6	5
2960	Next-Generation Breeding Strategies for Climate-Ready Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 620420.	1.7	61
2961	Mitigation of Degraded Soils by Using Biochar and Compost: a Systematic Review. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2718-2738.	1.7	13
2962	Evaluating agronomic factors for maize production in a semi-arid Loess Plateau. <i>Agronomy Journal</i> , 2021, 113, 5157-5169.	0.9	2
2963	Response of carbon footprint to plastic film mulch application in spring maize production and mitigation strategy. <i>Journal of Integrative Agriculture</i> , 2021, 20, 1933-1943.	1.7	11
2964	Analysis of Food Production and Consumption Based on the Emery Method in Kazakhstan. <i>Foods</i> , 2021, 10, 1520.	1.9	4
2965	Food waste management: an example from university refectory. <i>British Food Journal</i> , 2021, ahead-of-print, .	1.6	3
2966	Microbial Fuel Cell for Energy Production, Nutrient Removal and Recovery from Wastewater: A Review. <i>Processes</i> , 2021, 9, 1318.	1.3	30
2967	Cropping system design can improve nitrogen use efficiency in intensively managed agriculture. <i>Environmental Pollution</i> , 2021, 280, 116967.	3.7	19
2968	Knowledge Mapping of Machine Learning Approaches Applied in Agricultural Management—A Scientometric Review with CiteSpace. <i>Sustainability</i> , 2021, 13, 7662.	1.6	12
2969	The Adjustment of China's Grain Planting Structure Reduced the Consumption of Cropland and Water Resources. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7352.	1.2	8
2970	Proximity to forest mediates trade-offs between yields and biodiversity of birds in oil palm smallholdings. <i>Biotropica</i> , 2021, 53, 1498-1509.	0.8	4

#	ARTICLE	IF	CITATIONS
2971	A joint method to quantify source contributions of heavy metals to ecological and human health risks in oasis farmland soil. <i>Soil Science Society of America Journal</i> , 2021, 85, 1600-1619.	1.2	3
2972	Quantifying nitrogen loss hotspots and mitigation potential for individual fields in the US Corn Belt with a metamodeling approach. <i>Environmental Research Letters</i> , 2021, 16, 075008.	2.2	5
2973	Benefits of Increasing Information Accuracy in Variable Rate Technologies. <i>Ecological Economics</i> , 2021, 185, 107047.	2.9	29
2974	Autumn sowing of facultative triticale results in higher biomass production and nitrogen uptake compared to spring sowing. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 806-814.	0.3	1
2975	Improving the yield potential in maize by constructing the ideal plant type and optimizing the maize canopy structure. <i>Food and Energy Security</i> , 2021, 10, e312.	2.0	22
2976	Deficit drip irrigation based on crop evapotranspiration and precipitation forecast improves water use efficiency and grain yield of summer maize. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 653-663.	1.7	10
2977	Policies for Sustainable Agriculture and Livelihood in Marginal Lands: A Review. <i>Sustainability</i> , 2021, 13, 8692.	1.6	12
2978	Instance segmentation of center pivot irrigation systems using multi-temporal SENTINEL-1 SAR images. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100537.	0.8	7
2979	Exploring the Potential Risk of Heavy Metal Pollution of Edible Cultivated Plants in Urban Gardening Contexts Using a Citizen Science Approach in the Project "Heavy Metal City-Zen". <i>Sustainability</i> , 2021, 13, 8626.	1.6	6
2980	Environmental, human health, and ecosystem economic performance of long-term optimizing nitrogen management for wheat production. <i>Journal of Cleaner Production</i> , 2021, 311, 127620.	4.6	22
2981	Vineyard modernization drives changes in bird and mammal occurrence in vineyard plots in dry farmland. <i>Agriculture, Ecosystems and Environment</i> , 2021, 315, 107448.	2.5	7
2982	Effects of Dense Planting with Less Nitrogen Fertilization on Rice Yield and Nitrogen Use Efficiency in Northeast China. <i>International Journal of Plant Production</i> , 2021, 15, 625-634.	1.0	2
2983	Review of Large-Scale Biochar Field-Trials for Soil Amendment and the Observed Influences on Crop Yield Variations. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	43
2984	Does agricultural intensification cause tipping points in ecosystem services?. <i>Landscape Ecology</i> , 2021, 36, 3473-3491.	1.9	15
2985	High resolution 3D terrestrial LiDAR for cotton plant main stalk and node detection. <i>Computers and Electronics in Agriculture</i> , 2021, 187, 106276.	3.7	18
2986	Fine-Tuning Florigen Increases Field Yield Through Improving Photosynthesis in Soybean. <i>Frontiers in Plant Science</i> , 2021, 12, 710754.	1.7	6
2987	Using AquaCrop as a Decision-Support Tool for Small-Scale Irrigation Systems Was Dictated by the Institutional and Market Incentives in Ethiopia. <i>Frontiers in Water</i> , 2021, 3, .	1.0	4
2988	Impact of agricultural finance on technology adoption, agricultural productivity and rural household economic wellbeing in Ghana: a case study of rice farmers in Shai-Osudoku District. <i>Southern African Geographical Journal</i> , 2022, 104, 231-250.	0.9	6

#	ARTICLE	IF	CITATIONS
2989	Reconciling biodiversity with timber production and revenue via an intensive forest management experiment. <i>Ecological Applications</i> , 2021, 31, e02441.	1.8	6
2990	Potential of rice landraces with strong culms as genetic resources for improving lodging resistance against super typhoons. <i>Scientific Reports</i> , 2021, 11, 15780.	1.6	7
2991	Sustainable commodity governance and the global south. <i>Ecological Economics</i> , 2021, 186, 107062.	2.9	19
2992	Environmental impact and food production of small-scale mountain dairy farms at different supplementation levels. <i>Journal of Cleaner Production</i> , 2021, 310, 127429.	4.6	3
2993	Effects of interspecific competition on crop yield and nitrogen utilisation in maize-soybean intercropping system. <i>Plant, Soil and Environment</i> , 2021, 67, 460-467.	1.0	5
2994	Agronomic, environmental, and ecosystem economic benefits of controlled-release nitrogen fertilizers for maize production in Southwest China. <i>Journal of Cleaner Production</i> , 2021, 312, 127611.	4.6	26
2995	Gone and forgotten: facilitative effects of intercropping combinations did not carry over to affect barley performance in a follow-up crop rotation. <i>Plant and Soil</i> , 2021, 467, 405-419.	1.8	5
2996	The responses of lateral roots and root hairs to nitrogen stress in cotton based on daily root measurements. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 89-105.	1.7	22
2997	Development of Wheat (<i>Triticum aestivum</i> L.) Populations for Drought Tolerance and Improved Biomass Allocation Through Ethyl Methanesulphonate Mutagenesis. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	2
2998	A soil sampling design for arable land quality observation by using <scp>SPCOSA–CLHS</scp> hybrid approach. <i>Land Degradation and Development</i> , 2021, 32, 4889-4906.	1.8	11
2999	Organic Food Needs More Land and Direct Energy to Be Produced Compared to Food from Conventional Farming: Empirical Evidence from the Czech Republic. <i>Agriculture (Switzerland)</i> , 2021, 11, 813.	1.4	18
3000	An Insight Into the Mechanism of Plant Organelle Genome Maintenance and Implications of Organelle Genome in Crop Improvement: An Update. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671698.	1.8	9
3001	Mineral-Ecological Cropping Systems–A New Approach to Improve Ecosystem Services by Farming without Chemical Synthetic Plant Protection. <i>Agronomy</i> , 2021, 11, 1710.	1.3	25
3002	Who will benefit from big data? Farmers–perspective on willingness to share farm data. <i>Journal of Rural Studies</i> , 2021, 88, 346-353.	2.1	16
3003	An Efficient Method for Estimating Wheat Heading Dates Using UAV Images. <i>Remote Sensing</i> , 2021, 13, 3067.	1.8	4
3004	Model comparison and quantification of nitrous oxide emission and mitigation potential from maize and wheat fields at a global scale. <i>Science of the Total Environment</i> , 2021, 782, 146696.	3.9	14
3005	Metallic oxide nanomaterials act as antioxidant nanozymes in higher plants: Trends, meta-analysis, and prospect. <i>Science of the Total Environment</i> , 2021, 780, 146578.	3.9	38
3006	UAV-thermal imaging: A technological breakthrough for monitoring and quantifying crop abiotic stress to help sustain productivity on sodic soils – A case review on wheat. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100583.	0.8	8

#	ARTICLE	IF	CITATIONS
3007	Recommended nitrogen rates and the verification of effects based on leaf SPAD readings of rice. PeerJ, 2021, 9, e12107.	0.9	4
3008	Grand challenges and transformative solutions for rangeland social-ecological systems – emphasizing the human dimensions. Rangelands, 2021, 43, 151-158.	0.9	9
3009	Development of Agriculture Through Sustainable Production and Consumption. , 2021, , .		0
3010	Convergence Points in the Literature Concerning the Topics of Food Security and Added Value. , 2021, , .		0
3011	Automated Mini-Channel Platform for Studying Plant Root Environments. , 2021, , .		0
3012	The role of soil in the contribution of food and feed. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200181.	1.8	29
3013	Does farmland abandonment harm agricultural productivity in hilly and mountainous areas? evidence from China. Journal of Land Use Science, 2021, 16, 433-449.	1.0	12
3014	Non-Breeding Behavior and Diet of Loggerhead Shrikes in an Intensive Agricultural Region. Southeastern Naturalist, 2021, 20, .	0.2	0
3015	Significant Reductions in Crop Yields From Air Pollution and Heat Stress in the United States. Earth's Future, 2021, 9, e2021EF002000.	2.4	18
3016	Climate Change Increases Nitrogen Concentration in Rice With Low Nitrogen Use Efficiency. Earth's Future, 2021, 9, e2020EF001878.	2.4	7
3017	Leveraging the application of Earth observation data for mapping cropland soils in Brazil. Geoderma, 2021, 396, 115042.	2.3	12
3018	Biodiversity in agricultural landscapes: Grassy field margins and semi-natural fragments both foster spider diversity and body size. Agriculture, Ecosystems and Environment, 2021, 316, 107457.	2.5	26
3019	The changing face of science communication, technology, extension and improved decision-making at the farm-water quality interface. Marine Pollution Bulletin, 2021, 169, 112534.	2.3	7
3021	Diet Variation of a Generalist Predator, the American Kestrel Falco sparverius, in a Gradient of Agricultural Intensification in Central Argentina. Acta Ornithologica, 2021, 56, .	0.1	2
3022	Conserved oligomeric Golgi (COG) complex genes functioning in defense are expressed in root cells undergoing a defense response to a pathogenic infection and exhibit regulation my MAPKs. PLoS ONE, 2021, 16, e0256472.	1.1	5
3023	Effects of conservation agriculture maize-based cropping systems on soil health and crop performance in New Caledonia. Soil and Tillage Research, 2021, 212, 105079.	2.6	3
3024	Green bioprocessing of protein from Chlorella vulgaris microalgae towards circular bioeconomy. Bioresource Technology, 2021, 333, 125197.	4.8	11
3025	Understanding the complex environmental management through a lens of food-water-ecosystem nexus: Insights from an ecosystem restoration hotspot in dryland. Science of the Total Environment, 2021, 783, 147029.	3.9	7

#	ARTICLE	IF	CITATIONS
3026	Theory of microbial coexistence in promoting soilâ€™plant ecosystem health. <i>Biology and Fertility of Soils</i> , 2021, 57, 897-911.	2.3	21
3027	Promoting potato as staple food can reduce the carbonâ€™landâ€™water impacts of crops in China. <i>Nature Food</i> , 2021, 2, 570-577.	6.2	52
3028	Modelling water productivity for ecological intensification of crop sequences in the Inner Argentinean Pampas. <i>Field Crops Research</i> , 2021, 271, 108246.	2.3	7
3029	Evaluation of sustainable crop production from an ecological perspective based energy analysis: A case of China's provinces. <i>Journal of Cleaner Production</i> , 2021, 313, 127912.	4.6	14
3030	Antimicrobial mechanisms of g-C3N4 nanosheets against the oomycetes <i>Phytophthora capsici</i> : Disrupting metabolism and membrane structures and inhibiting vegetative and reproductive growth. <i>Journal of Hazardous Materials</i> , 2021, 417, 126121.	6.5	18
3031	An overview of greenhouse gases emissions in Hungary. <i>Journal of Cleaner Production</i> , 2021, 314, 127865.	4.6	37
3032	Unfolding the Fate and Effects of Micronutrients Supplied to Soybean (<i>Glycine max</i> (L.) Merrill) and Maize (<i>Zea mays</i> L.) Through Seed Treatment. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3194-3202.	1.7	6
3033	How sustainable is sustainable intensification? Assessing yield gaps at field and farm level across the globe. <i>Global Food Security</i> , 2021, 30, 100552.	4.0	30
3034	A steady-state N balance approach for sustainable smallholder farming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
3035	The physiological and ecological traits of strip management with straw and plastic film to increase grain yield of intercropping wheat and maize in arid conditions. <i>Field Crops Research</i> , 2021, 271, 108242.	2.3	12
3036	Soil organic matter in physical fractions after intensification of irrigated rice-pasture rotation systems. <i>Soil and Tillage Research</i> , 2021, 213, 105160.	2.6	9
3037	Reconciling food production and environmental boundaries for nitrogen in the European Union. <i>Science of the Total Environment</i> , 2021, 786, 147427.	3.9	21
3038	Assessing between and within Product Group Variance of Environmental Efficiency of Swiss Agriculture Using Life Cycle Assessment and Data Envelopment Analysis. <i>Agronomy</i> , 2021, 11, 1862.	1.3	7
3039	Nonlinear dependency of N ₂ O emissions on nitrogen input in dry farming systems may facilitate green development in China. <i>Agriculture, Ecosystems and Environment</i> , 2021, 317, 107456.	2.5	18
3040	Land use leverage points to reduce GHG emissions in U.S. agricultural supply chains. <i>Environmental Research Letters</i> , 2021, 16, 115002.	2.2	7
3041	Effect of new complex bio-fertilizer on seed germination of different varieties of winter vetch. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 848, 012108.	0.2	1
3042	Distribution of antimicrobial resistance across the overall environment of dairy farms â€™ A case study. <i>Science of the Total Environment</i> , 2021, 788, 147489.	3.9	18
3043	Reconciling regional nitrogen boundaries with global food security. <i>Nature Food</i> , 2021, 2, 700-711.	6.2	51

#	ARTICLE	IF	CITATIONS
3044	Effects of legume intercropping and nitrogen input on net greenhouse gas balances, intensity, carbon footprint and crop productivity in sweet maize cropland in South China. <i>Journal of Cleaner Production</i> , 2021, 314, 127997.	4.6	32
3045	Soil potentials to resist continuous cropping obstacle: Three field cases. <i>Environmental Research</i> , 2021, 200, 111319.	3.7	71
3046	Beyond productivism versus agroecology: lessons for sustainable food systems from Lovinsâ€™ soft path energy policies. <i>Environmental Research Letters</i> , 2021, 16, 091003.	2.2	5
3047	Breeding High-Grain Quality and Blast Resistant Rice Variety Using Combination of Traditional Breeding and Marker-Assisted Selection. <i>Rice Science</i> , 2021, 28, 422-426.	1.7	3
3048	Potassium fertilization reduces silique canopy temperature variation in Brassica napus to enhance seed yield. <i>Industrial Crops and Products</i> , 2021, 168, 113604.	2.5	6
3049	Agronomical traits associated with yield and yield components of winter wheat as affected by nitrogen managements. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4852-4858.	1.8	23
3050	Improving Wheat Yield Prediction Using Secondary Traits and High-Density Phenotyping Under Heat-Stressed Environments. <i>Frontiers in Plant Science</i> , 2021, 12, 633651.	1.7	8
3051	Understanding the trends in Denmark's global food trade-related greenhouse gas and resource footprint. <i>Journal of Cleaner Production</i> , 2021, 313, 127785.	4.6	7
3052	Africa's "Seed" Revolution and Value Chain Constraints to Early Generation Seeds Commercialization and Adoption in Ghana. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	8
3053	Impact of climate change on biodiversity and food security: a global perspective" a review article. <i>Agriculture and Food Security</i> , 2021, 10, .	1.6	82
3054	Diurnal and seasonal CO2 exchange and yield of maize cropland under different irrigation treatments in semiarid Inner Mongolia. <i>Agricultural Water Management</i> , 2021, 255, 107041.	2.4	7
3055	Quantitative assessment of agricultural sustainability reveals divergent priorities among nations. <i>One Earth</i> , 2021, 4, 1262-1277.	3.6	63
3056	The future of farming: Who will produce our food?. <i>Food Security</i> , 2021, 13, 1073-1099.	2.4	167
3057	Effect of co-applied corncob biochar with farmyard manure and NPK fertilizer on tropical soil. <i>Resources, Environment and Sustainability</i> , 2021, 5, 100034.	2.9	15
3058	Estimating the Gross Primary Production and Evapotranspiration of Rice Paddy Fields in the Sub-Tropical Region of China Using a Remotely-Sensed Based Water-Carbon Coupled Model. <i>Remote Sensing</i> , 2021, 13, 3470.	1.8	8
3059	Reuse and recycle: Integrating aquaculture and agricultural systems to increase production and reduce nutrient pollution. <i>Science of the Total Environment</i> , 2021, 785, 146859.	3.9	8
3060	An increase in food production in Europe could dramatically affect farmland biodiversity. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	22
3061	De-novo Domestication for Improving Salt Tolerance in Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 681367.	1.7	19

#	ARTICLE	IF	CITATIONS
3062	Environmental impacts of a rice-beef-biogas integrated system in the Mekong Delta, Vietnam evaluated by life cycle assessment. <i>Journal of Environmental Management</i> , 2021, 294, 112900.	3.8	4
3063	Funding flows for climate change research on Africa: where do they come from and where do they go?. <i>Climate and Development</i> , 2022, 14, 705-724.	2.2	39
3064	Deciphering the genetic diversity and population structure of Turkish bread wheat germplasm using iPBS-retrotransposons markers. <i>Molecular Biology Reports</i> , 2021, 48, 6739-6748.	1.0	20
3065	Does Organomineral Fertilizer Combined with Phosphate-Solubilizing Bacteria in Sugarcane Modulate Soil Microbial Community and Functions?. <i>Microbial Ecology</i> , 2022, 84, 539-555.	1.4	13
3066	Impact assessment of soybean yield and water productivity in Brazil due to climate change. <i>European Journal of Agronomy</i> , 2021, 129, 126329.	1.9	13
3067	Co-benefits of nutrient management tailored to smallholder agriculture. <i>Global Food Security</i> , 2021, 30, 100570.	4.0	19
3068	Analysis of Approaches to the Control of Air Manipulation Systems. <i>Intelligent Systems Reference Library</i> , 2022, , 179-204.	1.0	0
3069	Combined effects of land-use type and climate change on soil microbial activity and invertebrate decomposer activity. <i>Agriculture, Ecosystems and Environment</i> , 2021, 318, 107490.	2.5	13
3070	Phenological and physio-biochemical variations in <i>Salicornia brachiata</i> Roxb. under different soil and water treatments (salinity). <i>Aquatic Botany</i> , 2021, 174, 103429.	0.8	1
3071	Impoverishing Roots Will Improve Wheat Yield and Profitability Through Increased Water and Nitrogen Use Efficiencies. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005829.	1.3	7
3072	Developing specific leaf promoters tools for genetic use in transgenic plants towards food security. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5187-5192.	1.8	2
3073	Drought characterization across agricultural regions of China using standardized precipitation and vegetation water supply indices. <i>Journal of Cleaner Production</i> , 2021, 313, 127866.	4.6	18
3074	How milling and breadmaking quality are modified by warmer nights in wheat?. <i>Journal of Cereal Science</i> , 2021, , 103343.	1.8	3
3075	Income, consumer preferences, and the future of livestock-derived food demand. <i>Global Environmental Change</i> , 2021, 70, 102343.	3.6	56
3076	Are land-poor youth accessing rented land? Evidence from northern Ethiopia. <i>Land Use Policy</i> , 2021, 108, 105516.	2.5	9
3077	Identifying and characterizing pesticide use on 9,000 fields of organic agriculture. <i>Nature Communications</i> , 2021, 12, 5461.	5.8	18
3078	The Impact of Global Warming on the Winter Wheat Production of China. <i>Agronomy</i> , 2021, 11, 1845.	1.3	7
3079	The Status and Challenges of Sustainable Intensification of Rice-Potato Systems in Southern China. <i>American Journal of Potato Research</i> , 0, , 1.	0.5	2

#	ARTICLE	IF	CITATIONS
3080	Mitigating displaced land degradation and the risk of spillover through the decommodification of land products. <i>Land Use Policy</i> , 2021, 109, 105659.	2.5	4
3081	Greenhouse gas emissions from vegetables production in China. <i>Journal of Cleaner Production</i> , 2021, 317, 128449.	4.6	34
3082	An overlooked local resource: Shrub-intercropping for food production, drought resistance and ecosystem restoration in the Sahel. <i>Agriculture, Ecosystems and Environment</i> , 2021, 319, 107523.	2.5	4
3083	Comparing rice production systems in China: Economic output and carbon footprint. <i>Science of the Total Environment</i> , 2021, 791, 147890.	3.9	22
3084	Energy auditing and data envelopment analysis (DEA) based optimization for increased energy use efficiency in wheat cultivation (<i>Triticum aestivum</i> L.) in north-western India. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101453.	1.7	15
3085	Extended water-energy nexus contribution to environmentally-related sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111485.	8.2	75
3086	Reflections on China's food security and land use policy under rapid urbanization. <i>Land Use Policy</i> , 2021, 109, 105699.	2.5	129
3087	Quantifying sustainable intensification of agriculture: The contribution of metrics and modelling. <i>Ecological Indicators</i> , 2021, 129, 107870.	2.6	18
3088	Rethinking application of animal manure for wheat production in China. <i>Journal of Cleaner Production</i> , 2021, 318, 128473.	4.6	11
3089	Consumers' knowledge gain through a cross-category environmental label. <i>Journal of Cleaner Production</i> , 2021, 319, 128688.	4.6	14
3090	Improving the sustainability of the wheat supply chain through multi-stakeholder engagement. <i>Journal of Cleaner Production</i> , 2021, 321, 128837.	4.6	11
3091	Economic, environmental, and energy analysis of China's green tea production. <i>Sustainable Production and Consumption</i> , 2021, 28, 269-280.	5.7	31
3092	An environmental-friendly pesticide-fertilizer combination fabricated by in-situ synthesis of ZIF-8. <i>Science of the Total Environment</i> , 2021, 789, 147845.	3.9	20
3093	Projecting food demand in 2030: Can Uganda attain the zero hunger goal?. <i>Sustainable Production and Consumption</i> , 2021, 28, 1140-1163.	5.7	11
3094	Circularity of Brazilian silk: Promoting a circular bioeconomy in the production of silk cocoons. <i>Journal of Environmental Management</i> , 2021, 296, 113373.	3.8	13
3095	Crop yield forecasting and associated optimum lead time analysis based on multi-source environmental data across China. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108558.	1.9	26
3096	Managing food-ecosystem synergies to sustain water resource systems. <i>Science of the Total Environment</i> , 2021, 796, 148945.	3.9	4
3097	The food-energy-water-carbon nexus in a maize-maize-mustard cropping sequence of the Indian Himalayas: An impact of tillage-cum-live mulching. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111602.	8.2	42

#	ARTICLE	IF	CITATIONS
3098	Complexity analysis of production, fertilizer-saving level, and emission reduction efforts decisions in a two-parallel agricultural product supply chain. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111358.	2.5	11
3099	Achieving biogas production and efficient pollutants removal from nitrogenous fertilizer wastewater using combined anaerobic digestion and autotrophic nitrogen removal process. <i>Bioresource Technology</i> , 2021, 339, 125659.	4.8	19
3100	Assessing the contribution of nitrogen fertilizer and soil quality to yield gaps: A study for irrigated and rainfed maize in China. <i>Field Crops Research</i> , 2021, 273, 108304.	2.3	14
3101	Spatiotemporal variation of agroecosystem service trade-offs and its driving factors across different climate zones. <i>Ecological Indicators</i> , 2021, 130, 108154.	2.6	11
3102	Optimizing irrigation amount and fertilization rate of drip-fertigated spring maize in northwest China based on multi-level fuzzy comprehensive evaluation model. <i>Agricultural Water Management</i> , 2021, 257, 107157.	2.4	24
3103	CRISPR/Cas9-mediated genome editing is revolutionizing the improvement of horticultural crops: Recent advances and future prospects. <i>Scientia Horticulturae</i> , 2021, 289, 110476.	1.7	10
3104	Revisiting the critical nitrogen dilution curve for tall fescue: A quantitative synthesis. <i>European Journal of Agronomy</i> , 2021, 131, 126380.	1.9	14
3105	Assessing smallholder sustainable intensification in the Ethiopian highlands. <i>Agricultural Systems</i> , 2021, 194, 103266.	3.2	11
3106	Development of QSAR models for evaluating pesticide toxicity against <i>Skeletonema costatum</i> . <i>Chemosphere</i> , 2021, 285, 131456.	4.2	16
3107	An efficient protein isolation process for use in <i>Limnospira maxima</i> : A biorefinery approach. <i>Journal of Food Composition and Analysis</i> , 2021, 104, 104173.	1.9	3
3108	Application of classification models in screening superior rice grain quality in male sterile and pollen parents. <i>Journal of Food Composition and Analysis</i> , 2021, 104, 104137.	1.9	4
3109	Crop yield-soil quality balance in double cropping in China's upland by organic amendments: A meta-analysis. <i>Geoderma</i> , 2021, 403, 115197.	2.3	34
3110	Policy-oriented versus market-induced: Factors influencing crop diversity across China. <i>Ecological Economics</i> , 2021, 190, 107184.	2.9	20
3111	Side effects of a fungus-based biopesticide on stingless bee guarding behaviour. <i>Chemosphere</i> , 2022, 287, 132147.	4.2	13
3112	Assessing the effects of <i>Salicornia brachiata</i> Roxb. growth on coastal saline soil quality over temporal and spatial scales. <i>Applied Soil Ecology</i> , 2022, 169, 104196.	2.1	9
3113	Exploring the pathways towards the mitigation of the environmental impacts of food consumption. <i>Science of the Total Environment</i> , 2022, 806, 150528.	3.9	7
3114	National-scale distribution of micro(meso)plastics in farmland soils across China: Implications for environmental impacts. <i>Journal of Hazardous Materials</i> , 2022, 424, 127283.	6.5	67
3115	The inhibitory efficacy of procyanidin on soil denitrification varies with N fertilizer type applied. <i>Science of the Total Environment</i> , 2022, 806, 150588.	3.9	6

#	ARTICLE	IF	CITATIONS
3116	Water and nitrogen fertilization management in light of climate change: impacts on food security and product quality. , 2022, , 147-178.		5
3117	How bioregional history could shape the future of agriculture. <i>Advances in Ecological Research</i> , 2021, , 149-189.	1.4	6
3118	Picturing the future of food. <i>The Plant Phenome Journal</i> , 2021, 4, e20014.	1.0	11
3119	Accumulation, Partitioning, and Bioavailability of Micronutrients in Plants and Their Crosstalk with Phytohormones. , 2021, , 39-73.		3
3120	Impacts of Climate Change on Agriculture in South-East Asiaâ€”Drought Conditions and Crop Damage Assessment. <i>Economics, Law, and Institutions in Asia Pacific</i> , 2021, , 3-38.	0.4	1
3121	An Eco-Compensation Policy Increases Shorebird Diversity during the Non-farming Period for Aquaculture. <i>Wetlands</i> , 2021, 41, 1.	0.7	8
3122	Migratory bird community structure in oil palm (<i>Elaies guineensis</i>) plantations and native forest fragments in southern Mexico. <i>Journal of Field Ornithology</i> , 2021, 92, 1-17.	0.3	2
3123	Pervasive cropland in protected areas highlight trade-offs between conservation and food security. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	38
3124	Increasing soil fertility as an important factor in ensuring food security of the state. <i>E3S Web of Conferences</i> , 2021, 273, 05010.	0.2	3
3125	Factor influencing fishery-based farmersâ€™ perception and their response to climate-induced crisis management.. <i>Environment, Development and Sustainability</i> , 2021, 23, 11766-11791.	2.7	5
3126	The photocatalytic antibacterial molecular mechanisms towards <i>Pseudomonas syringae</i> pv. <i>tabaci</i> by gâ€”nanosheets: insights from the cytomembrane, biofilm and motility disruption. <i>Pest Management Science</i> , 2021, 77, 2302-2314.	1.7	9
3127	Improvements in Gene Editing Technology Boost Its Applications in Livestock. <i>Frontiers in Genetics</i> , 2020, 11, 614688.	1.1	34
3128	CRISPR/Cas9 and Cas13a systems: a promising tool for plant breeding and plant defence. , 2021, , 211-231.		1
3129	Synergies and tradeoffs among yield, resource use efficiency, and environmental footprint indicators in rice systems. <i>Current Research in Environmental Sustainability</i> , 2021, 3, 100070.	1.7	5
3130	Pheromone Deployment Strategies for Mating Disruption of a Vineyard Mealybug. <i>Journal of Economic Entomology</i> , 2021, 114, 2439-2451.	0.8	3
3131	Eco-Designing for Sustainability. , 2021, , 565-595.		40
3132	Ecological Intensification: Towards Food and Environmental Security in Sub-Saharan Africa. , 2021, , 597-625.		1
3133	Ecological Intensification for Sustainable Agriculture and Environment in India. , 2021, , 215-254.		2

#	ARTICLE	IF	CITATIONS
3134	Fertilizer Strength Prediction Model Based on Shape Characteristics. IEEE Access, 2021, 9, 87007-87023.	2.6	2
3135	Field Robotic Systems for High-Throughput Plant Phenotyping: A Review and a Case Study. Concepts and Strategies in Plant Sciences, 2021, , 13-38.	0.6	1
3136	Sustainable Supply Chain Management and Life Below Water. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-17.	0.0	0
3137	Key Applications of CRISPR/Cas for Yield and Nutritional Improvement. , 2021, , 213-230.		4
3138	Increased rainfall variability and nitrogen deposition accelerate succession along a common sere. Ecosphere, 2021, 12, e03313.	1.0	0
3139	Role of fungi in the agricultural sector and its prospects in soil restoration. , 2021, , 165-181.		0
3140	Real-time monitoring of rhizosphere nitrate fluctuations under crops following defoliation. Plant Methods, 2021, 17, 11.	1.9	6
3141	New strategy of light quality regulation with leaf-spraying fluorescent coatings for enhancing photosynthesis efficiency. RSC Advances, 2021, 11, 26620-26628.	1.7	5
3142	The SPOTT index: A proof-of-concept measure for tracking public disclosure in the palm oil industry. Current Research in Environmental Sustainability, 2021, 3, 100042.	1.7	3
3143	Mapping rice area and yield in northeastern asia by incorporating a crop model with dense vegetation index profiles from a geostationary satellite. GIScience and Remote Sensing, 2021, 58, 1-27.	2.4	16
3144	Natural disaster shock, risk aversion and corn farmersâ€™ adoption of degradable mulch film: evidence from Zhangye, China. International Journal of Climate Change Strategies and Management, 2021, 13, 60-77.	1.5	12
3145	Climate change and world population. , 2021, , 313-350.		3
3146	The Role of Technology in Greenhouse Agriculture: Towards a Sustainable Intensification in Campo de DalÃ¡as (AlmerÃ¡a, Spain). Agronomy, 2021, 11, 101.	1.3	18
3147	Introduction of Smart Agriculture. , 2021, , 187-190.		0
3148	Abundance, Condition and Size of a Foundation Species Vary with Altered Soil Conditions, Remnant Type and Potential Competitors. Ecosystems, 2021, 24, 1516-1530.	1.6	3
3149	Crop cover is more important than rotational diversity for soil multifunctionality and cereal yields in European cropping systems. Nature Food, 2021, 2, 28-37.	6.2	120
3153	The roles of nonâ€™production vegetation in agroecosystems: A research framework for filling process knowledge gaps in a socialâ€™ecological context. People and Nature, 2020, 2, 292-304.	1.7	14
3154	Phytoremediation Using Aquatic Plants. Concepts and Strategies in Plant Sciences, 2020, , 205-260.	0.6	21

#	ARTICLE	IF	CITATIONS
3155	Aquaponics for the Anthropocene: Towards a "Sustainability First"™ Agenda. , 2019, , 393-432.		4
3156	Sustainable Agriculture and Food Security. , 2019, , 3-24.		8
3157	Alternative Fertilizers and Sustainable Agriculture. , 2019, , 213-245.		6
3158	Does PGPR and Mycorrhizae Enhance Nutrient Use Efficiency and Efficacy in Relation to Crop Productivity?. Sustainable Development and Biodiversity, 2019, , 45-68.	1.4	6
3159	The Food System Grand Challenge: A Climate Smart and Sustainable Food System for a Healthy Europe. Contributions To Management Science, 2020, , 1-25.	0.4	4
3160	Application of Lignocellulosic Biomass (LCB). Green Energy and Technology, 2020, , 3-19.	0.4	6
3161	Nonthermal Plasma Technology. Food Engineering Series, 2020, , 607-628.	0.3	4
3162	Reframing the Competition for Land between Food and Energy Production in Indonesia. Social and Ecological Interactions in the Galapagos Islands, 2020, , 241-260.	0.4	1
3163	Phytohormones Producing Fungal Communities: Metabolic Engineering for Abiotic Stress Tolerance in Crops. Fungal Biology, 2020, , 171-197.	0.3	33
3164	Forest Ecosystem Services and Biodiversity. Environmental Science and Engineering, 2021, , 529-552.	0.1	5
3165	The Nexus Approach to Managing Water, Soil and Waste under Changing Climate and Growing Demands on Natural Resources. , 2015, , 39-60.		18
3166	Socio-economic Impacts" Agricultural Systems. Regional Climate Studies, 2016, , 397-407.	1.2	3
3167	Testing the Links Between Soil Security, Sustainable Land Management Practices and Land Evaluation. Progress in Soil Science, 2017, , 87-97.	0.4	4
3168	International Bioeconomy Innovations in Central America. Economic Complexity and Evolution, 2017, , 83-96.	0.1	2
3169	Group Control of Heterogeneous Robots and Unmanned Aerial Vehicles in Agriculture Tasks. Lecture Notes in Computer Science, 2017, , 260-267.	1.0	7
3170	Arbuscular Mycorrhiza: A Tool for Enhancing Crop Production. , 2017, , 235-250.		16
3171	Genomics-Assisted Breeding of Climate-Smart Inbred and Hybrid Rice Varieties. , 2020, , 1-43.		1
3172	Engineered Nanoparticles for Increasing Micronutrient Use Efficiency. , 2019, , 25-49.		4

#	ARTICLE	IF	CITATIONS
3173	Food Security and Healthy Nutrition in the Context of the Bioeconomy. , 2020, , 67-75.		2
3174	Impacts of Projected Changes in Climate on Hydrology. , 2014, , 211-220.		3
3177	The Big Picture: Prospects for Ecological Engineering to Guide the Delivery of Ecosystem Services in Global Agriculture. , 2015, , 143-160.		3
3178	Polyculture Management: A Crucial System for Sustainable Agriculture Development. , 2020, , 279-319.		4
3179	Stress Management: Sustainable Approach Towards Resilient Agriculture. , 2019, , 231-270.		2
3180	Green Nanoparticles for Biomedical and Bioengineering Applications. , 2020, , 225-262.		4
3181	Strategies to Enhance Photosynthesis for the Improvement of Crop Yields. , 2020, , 143-157.		2
3182	Soil Microbiomes for Healthy Nutrient Recycling. Environmental and Microbial Biotechnology, 2021, , 1-21.	0.4	35
3183	Scientific Interventions to Improve Land and Water Productivity for Climate-Smart Agriculture in South Asia. , 2019, , 499-558.		9
3184	Sustainable food systemsâ€™a health perspective. Sustainability Science, 2018, 13, 1505-1517.	2.5	116
3185	Sustainable Intensification of Rice-Based Systems with Potato in Eastern Indo-Gangetic Plains. American Journal of Potato Research, 2020, 97, 162-174.	0.5	16
3186	Nitrogen-Use Efficiency Under Changing Climatic Conditions. , 2019, , 181-240.		7
3187	The meaning of meat: (Un)sustainable eating practices at home and out of home. Appetite, 2020, 153, 104730.	1.8	48
3188	Grain-filling characteristics and yield differences of maize cultivars with contrasting nitrogen efficiencies. Crop Journal, 2020, 8, 990-1001.	2.3	18
3189	Genome-wide prediction for hybrids between parents with distinguished difference on exotic introgressions in Brassica napus. Crop Journal, 2021, 9, 1169-1178.	2.3	6
3190	Biological nitrification inhibitor for reducing N2O and NH3 emissions simultaneously under root zone fertilization in a Chinese rice field. Environmental Pollution, 2020, 264, 114821.	3.7	26
3191	Performance of elite maize genotypes under selected sustainable intensification options in Kenya. Field Crops Research, 2020, 249, 107738.	2.3	10
3192	Meeting the food security challenge for nine billion people in 2050: What impact on forests?. Global Environmental Change, 2020, 62, 102056.	3.6	86

#	ARTICLE	IF	CITATIONS
3193	Land use and land cover scenarios: An interdisciplinary approach integrating local conditions and the global shared socioeconomic pathways. <i>Land Use Policy</i> , 2020, 97, 104723.	2.5	34
3194	Oxalic acid is more efficient than sulfuric acid for rock phosphate solubilization. <i>Minerals Engineering</i> , 2020, 155, 106458.	1.8	59
3195	How to increase maize production without extra nitrogen input. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104913.	5.3	78
3196	An inverted U-shaped curve relating farmland vulnerability to biological disasters: Implications for sustainable intensification in China. <i>Science of the Total Environment</i> , 2020, 732, 138829.	3.9	10
3197	Data and analysis toolbox for modeling the nexus of food, energy, and water. <i>Sustainable Cities and Society</i> , 2020, 61, 102281.	5.1	19
3198	Fertilization changes soil microbiome functioning, especially phagotrophic protists. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107863.	4.2	78
3199	Effects of degradable film mulching on crop yield and water use efficiency in China: A meta-analysis. <i>Soil and Tillage Research</i> , 2020, 202, 104676.	2.6	29
3201	Model-based yield gap analysis and constraints of rainfed sorghum production in Southwest Ethiopia. <i>Journal of Agricultural Science</i> , 2020, 158, 855-869.	0.6	9
3202	Feeding ten billion people is possible within four terrestrial planetary boundaries. <i>Nature Sustainability</i> , 2020, 3, 200-208.	11.5	306
3203	Crop biotechnology and the future of food. <i>Nature Food</i> , 2020, 1, 273-283.	6.2	71
3204	Soils and Food Security: Challenges and Opportunities. <i>Issues in Environmental Science and Technology</i> , 2012, , 1-30.	0.4	9
3205	Rubisco activation by wheat Rubisco activase isoform 2 ¹ is insensitive to inhibition by ADP. <i>Biochemical Journal</i> , 2019, 476, 2595-2606.	1.7	13
3206	One Biosecurity: a unified concept to integrate human, animal, plant, and environmental health. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 539-549.	1.1	29
3207	Une approche évolutive des «visions du monde» pour penser les transformations de l'agriculture. <i>Cahiers Agricultures</i> , 2017, 26, 36001.	0.4	3
3208	Defining resilience in pasture-based dairy-farm systems in temperate regions. <i>Animal Production Science</i> , 2020, 60, 55.	0.6	15
3209	Managing agroecosystem services.. , 2013, , 124-141.		3
3210	Global perspectives on conservation agriculture for small households.. , 2015, , 22-54.		6
3211	Costs of land degradation and benefits of land restoration: a review of valuation methods and suggested frameworks for inclusion into policy-making.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-12.	0.6	9

#	ARTICLE	IF	CITATIONS
3212	Conservation agriculture systems.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-25.	0.6	22
3213	The dynamics between irrigation frequency and soil nutrient management: transitioning smallholder irrigation towards more profitable and sustainable systems in Zimbabwe. International Journal of Water Resources Development, 2020, 36, S102-S126.	1.2	19
3214	The impact of low-input grass-based and high-input confinement-based dairy systems on food production, environmental protection and resource use. Agroecology and Sustainable Food Systems, 2020, 44, 1089-1110.	1.0	15
3215	How much can sustainable intensification increase yields across South Asia? a systematic review of the evidence. Environmental Research Letters, 2020, 15, 083004.	2.2	21
3216	Global food self-sufficiency in the 21st century under sustainable intensification of agriculture. Environmental Research Letters, 2020, 15, 095004.	2.2	100
3217	Drivers of increasing global crop production: A decomposition analysis. Environmental Research Letters, 2020, 15, 0940b6.	2.2	11
3218	Ever-increasing agricultural land and water productivity: a global multi-crop analysis. Environmental Research Letters, 2020, 15, 0940a2.	2.2	8
3219	Contribution of food loss to greenhouse gas assessment of high-value agricultural produce: California production, U.S. consumption. Environmental Research Letters, 2021, 16, 014024.	2.2	4
3220	Bacteriophage-Mediated Reduction of Bacterial Speck on Tomato Seedlings. Phage, 2020, 1, 205-212.	0.8	4
3221	The Implications of a Changing Climate on Global Nutrition Security. , 2015, , 432-466.		4
3222	Perspectives on improving light distribution and light use efficiency in crop canopies. Plant Physiology, 2021, 185, 34-48.	2.3	50
3223	Accelerating the sustainable development goals through microbiology: some efforts and opportunities. Access Microbiology, 2020, 2, acmi000112.	0.2	16
3234	Chassis Design and Analysis of an Autonomous Ground Vehicle (AGV) using Genetic Algorithm. , 2020, , .		11
3235	A socio-ecological model for predicting impacts of land-use and climate change on regional plant diversity in the Austrian Alps. Global Change Biology, 2020, 26, 2336-2352.	4.2	26
3236	Microcontroller-based Vertical Farming Automation System. International Journal of Electrical and Computer Engineering, 2018, 8, 2046.	0.5	14
3237	1. Forests, Trees and Landscapes for Food Security and Nutrition. , 2015, , 9-26.		33
3238	1: Bioactive Compounds in Agricultural and Food Production Waste. , 2017, , 1-26.		4
3239	Life in Earth: A Truly Epic Production. , 2014, , 414-429.		1

#	ARTICLE	IF	CITATIONS
3240	Soils and the Future of Food. , 2014, , 17-36.		3
3241	Exchange of Carbon Dioxide Between the Atmosphere and the Maize Field Fertilized with Digestate from Agricultural Biogas Plant. Journal of Ecological Engineering, 2019, 20, 145-151.	0.5	2
3242	Effect of Fortification of De-Oiled Bottle Gourd (<i>Lagenaria Siceraria</i>) seed on the Functional and Chemical Characteristics of the Biscuit: A Nutritional Assessment. Current Research in Nutrition and Food Science, 2018, 6, 720-733.	0.3	9
3243	Investigation of Quality and Cooking Traits Diversity in a Global Common Bean Germplasm. Global Journal of Botanical Science, 0, 8, 21-29.	0.4	2
3244	Resolving Conflicts between Agriculture and the Natural Environment. PLoS Biology, 2015, 13, e1002242.	2.6	102
3245	Conserving the Birds of Ugandaâ€™s Banana-Coffee Arc: Land Sparing and Land Sharing Compared. PLoS ONE, 2013, 8, e54597.	1.1	93
3246	Embodied Greenhouse Gas Emissions in Diets. PLoS ONE, 2013, 8, e62228.	1.1	103
3247	Characterisation of Cyanobacterial Bicarbonate Transporters in <i>E. coli</i> Shows that SbtA Homologs Are Functional in This Heterologous Expression System. PLoS ONE, 2014, 9, e115905.	1.1	68
3248	Leaf Lateral Asymmetry in Morphological and Physiological Traits of Rice Plant. PLoS ONE, 2015, 10, e0129832.	1.1	13
3249	Comparison of Hybrid Classifiers for Crop Classification Using Normalized Difference Vegetation Index Time Series: A Case Study for Major Crops in North Xinjiang, China. PLoS ONE, 2015, 10, e0137748.	1.1	26
3250	A World at Risk: Aggregating Development Trends to Forecast Global Habitat Conversion. PLoS ONE, 2015, 10, e0138334.	1.1	50
3251	Global Food Demand Scenarios for the 21st Century. PLoS ONE, 2015, 10, e0139201.	1.1	178
3252	Dynamics of Weeds in the Soil Seed Bank: A Hidden Markov Model to Estimate Life History Traits from Standing Plant Time Series. PLoS ONE, 2015, 10, e0139278.	1.1	21
3253	Potential Implications of Climate Change on <i>Aegilops</i> Species Distribution: Sympatry of These Crop Wild Relatives with the Major European Crop <i>Triticum aestivum</i> and Conservation Issues. PLoS ONE, 2016, 11, e0153974.	1.1	23
3254	Random Forests for Global and Regional Crop Yield Predictions. PLoS ONE, 2016, 11, e0156571.	1.1	377
3255	Patterns of Cereal Yield Growth across China from 1980 to 2010 and Their Implications for Food Production and Food Security. PLoS ONE, 2016, 11, e0159061.	1.1	30
3256	Unmanned Aerial Vehicles for High-Throughput Phenotyping and Agronomic Research. PLoS ONE, 2016, 11, e0159781.	1.1	262
3257	Effects of Elevated Tropospheric Ozone Concentration on the Bacterial Community in the Phyllosphere and Rhizosphere of Rice. PLoS ONE, 2016, 11, e0163178.	1.1	33

#	ARTICLE	IF	CITATIONS
3258	Root Parameters Show How Management Alters Resource Distribution and Soil Quality in Conventional and Low-Input Cropping Systems in Central Iowa. PLoS ONE, 2016, 11, e0164209.	1.1	30
3259	Agricultural Extension Messages Using Video on Portable Devices Increased Knowledge about Seed Selection, Storage and Handling among Smallholder Potato Farmers in Southwestern Uganda. PLoS ONE, 2017, 12, e0169557.	1.1	22
3260	Towards the identification of a gene for prostrate tillers in barley (<i>Hordeum vulgare</i> L.). PLoS ONE, 2018, 13, e0192263.	1.1	7
3261	Long-term use of cover crops and no-till shift soil microbial community life strategies in agricultural soil. PLoS ONE, 2018, 13, e0192953.	1.1	162
3262	Food supply and bioenergy production within the global cropland planetary boundary. PLoS ONE, 2018, 13, e0194695.	1.1	38
3263	Profitability, energetics and GHGs emission estimation from rice-based cropping systems in the coastal saline zone of West Bengal, India. PLoS ONE, 2020, 15, e0233303.	1.1	19
3264	Mechanization in Bangladesh: Way of Modernization in Agriculture. SSRG International Journal of Engineering Trends and Technology, 2019, 67, 69-77.	0.3	7
3265	Current global food production is sufficient to meet human nutritional needs in 2050 provided there is radical societal adaptation. Elementa, 2018, 6, .	1.1	146
3266	Managing nutrient for both food security and environmental sustainability in China: an experiment for the world. Frontiers of Agricultural Science and Engineering, 2014, 1, 53.	0.9	19
3267	Effects of mulching for water conservation on soil carbon, nitrogen and biological properties. Frontiers of Agricultural Science and Engineering, 2017, 4, 146.	0.9	12
3268	An integrated approach to site-specific management zone delineation. Frontiers of Agricultural Science and Engineering, 2018, .	0.9	15
3269	SFSGEC - Meatification and the madness of the doubling narrative. , 2015, 2, 296-303.		4
3270	Effects of foliar fertilization with potassium and micronutrients on potato yield and quality. European Journal of Horticultural Science, 2020, 85, 394-400.	0.3	4
3273	Opportunities for Enhancing Production, Utilization and Marketing of Finger Millet in Africa. African Journal of Food, Agriculture, Nutrition and Development, 2019, 19, 13863-13882.	0.1	14
3274	Food Security, Agriculture and Climate Change Mitigation Strategies: A Scientific Production Panorama. Scholedge International Journal of Multidisciplinary & Allied Studies ISSN 2394-336X, 2016, 3, 34.	0.2	2
3275	Ensuring the genetic diversity of maize and its wild relatives. Burleigh Dodds Series in Agricultural Science, 2017, , 3-50.	0.1	3
3276	On the Use of Agricultural System Models for Exploring Technological Innovations Across Scales in Africa: A Critical Review. SSRN Electronic Journal, 0, , .	0.4	5
3277	A Review of Greenhouse Gas Emission Liabilities as the Value of Renewable Energy for Mitigating Lawsuits for Climate Change Related Damages. SSRN Electronic Journal, 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
3278	Genomic Research Favoring Higher Soybean Production. <i>Current Genomics</i> , 2020, 21, 481-490.	0.7	7
3279	Is it advantageous to reuse fruit waste biomass from processing of grapevine (<i>Vitis vinifera</i> L.) or briquette production?. , 2017, , .		1
3281	Evaluating adaptation and the production development of Finnish agriculture in climate and global change. <i>Agricultural and Food Science</i> , 2015, 24, 219-234.	0.3	14
3282	Increasing of barley productivity and adaptability by using genetic modification technologies. <i>Agricultural Science Euro-North-East</i> , 2019, 20, 5-19.	0.2	4
3283	MANEJO, QUALIDADE E DINÂMICA DA DEGRADAÇÃO DO SOLO DE PASTAGENS NA MATA ATLÂNTICA DE MINAS GERAIS - BRASIL. <i>Nativa</i> , 2018, 6, 370.	0.2	10
3284	Responses of photosynthetic characteristics and growth in rice and winter wheat to different elevated CO ₂ concentrations. <i>Photosynthetica</i> , 2020, 58, 1130-1140.	0.9	9
3285	Improvement of livelihood, food and nutrition security through homestead vegetables production and fruit tree management in Bangladesh. <i>Journal of the Bangladesh Agricultural University</i> , 2016, 12, 377-387.	0.1	4
3286	Estimation of Wheat Area using Sentinel-1 and Sentinel-2 Datasets (A Comparative Analysis). <i>International Journal of Agriculture & Sustainable Development</i> , 2019, , .	0.0	3
3287	Projecting the future ecological state of lakes in Denmark in a 6 degree warming scenario. <i>Climate Research</i> , 2015, 64, 55-72.	0.4	52
3288	HISTORICAL DEVELOPMENTS IN CARBON SOURCES, BIOMASS, FOSSILS, BIOFUELS AND BIOTECHNOLOGY REVIEW ARTICLE. <i>World Journal of Biology and Biotechnology</i> , 2016, 1, 71.	0.2	1
3289	One Health for Food Safety, Food Security, and Sustainable Food Production. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	128
3290	Improving Water Use Efficiency by Optimizing the Root Distribution Patterns under Varying Drip Emitter Density and Drought Stress for Cherry Tomato. <i>Agronomy</i> , 2021, 11, 3.	1.3	8
3291	Effects of Adapted N-Fertilisation Strategies on Nitrate Leaching and Yield Performance of Arable Crops in North-Western Germany. <i>Agronomy</i> , 2021, 11, 64.	1.3	17
3292	Proximal Remote Sensing Buggies and Potential Applications for Field-Based Phenotyping. <i>Agronomy</i> , 2014, 4, 349-379.	1.3	316
3293	Application and Comparison of Multiple Models on Agricultural Sustainability Assessments: A Case Study of the Yangtze River Delta Urban Agglomeration, China. <i>Sustainability</i> , 2021, 13, 121.	1.6	12
3294	The Impact of Agricultural Irrigation on Landslide Triggering: A Review from Chinese, English, and Spanish Literature. <i>Water (Switzerland)</i> , 2021, 13, 10.	1.2	26
3295	Easy MPE: Extraction of Quality Microplot Images for UAV-Based High-Throughput Field Phenotyping. <i>Plant Phenomics</i> , 2019, 2019, 2591849.	2.5	25
3296	Convolutional Neural Networks for Image-Based High-Throughput Plant Phenotyping: A Review. <i>Plant Phenomics</i> , 2020, 2020, 4152816.	2.5	187

#	ARTICLE	IF	CITATIONS
3297	EFFECTS OF NPK FERTILIZATION RATES ON CROP PRODUCTION AND PHOTOSYNTHETIC PERFORMANCE IN POTATO (<i>SOLANUM TUBEROSUM</i> L.). International Journal of Agriculture Environment and Bioresearch, 2019, 04, 202-222.	0.0	1
3299	Assessing food sustainable intensification potential of agroforestry using a carbon balance method. IForest, 2019, 12, 85-91.	0.5	8
3300	Protein and sustainability – the potential of insects. Journal of Insects As Food and Feed, 2019, 5, 3-7.	2.1	11
3301	Perception of entomophagy by residents of Korea and Ethiopia revealed through structured questionnaire. Journal of Insects As Food and Feed, 2020, 6, 59-64.	2.1	24
3302	Functional Analysis of SBPase Gene Promoter in Transgenic Wheat under Abiotic Stresses. Biotechnology, 2018, 18, 15-23.	0.5	4
3303	Plant probiotic bacteria: solutions to feed the world. AIMS Microbiology, 2017, 3, 502-524.	1.0	48
3304	The Future of Antibiotics and Meat. Impact of Meat Consumption on Health and Environmental Sustainability, 2016, , 178-200.	0.4	5
3305	China's Growing Meat Demands. Impact of Meat Consumption on Health and Environmental Sustainability, 2016, , 221-231.	0.4	3
3306	Brevibacillus Spp. in Agroecology: The Beneficial Impacts in Biocontrol of Plant Pathogens and Soil Bioremediation. Fungal Genomics & Biology, 2018, 08, .	0.4	8
3307	Evaluation of Drought Stress-Inducible W<i>si</i>18 Promoter in <i>Brachypodium distachyon</i>. Advances in Bioscience and Biotechnology (Print), 2018, 09, 596-612.	0.3	1
3308	Plant Breeding for Harmony between Modern Agriculture Production and the Environment. Agricultural Sciences, 2015, 06, 87-116.	0.2	7
3309	Novel Investigation on Ammonium Thiosulphate (ATS) as an Inhibitor of Soil Urease and Nitrification. Agricultural Sciences, 2015, 06, 1502-1512.	0.2	4
3310	Impact of Bee Pollination on Yield of Faba Bean (<i>Vicia faba</i> L.) Grown under Semi-Arid Conditions. Agricultural Sciences, 2018, 09, 729-740.	0.2	3
3311	Using Geotechnology to Estimate Annual Soil Loss Rate in the Brazilian Cerrado. Journal of Geographic Information System, 2017, 09, 420-439.	0.3	4
3312	Biochar as a Soil Amendment Tool: Effects on Soil Properties and Yield of Maize and Cabbage in Brong-Ahafo Region, Ghana. Open Journal of Soil Science, 2020, 10, 91-108.	0.3	9
3313	Invited review: Resource inputs and land, water and carbon footprints from the production of edible protein of animal origin. Archives Animal Breeding, 2018, 61, 17-36.	0.5	17
3318	Impacts of future agricultural change on ecosystem service indicators. Earth System Dynamics, 2020, 11, 357-376.	2.7	13
3320	MIROC-INTEG-LAND version 1: a global biogeochemical land surface model with human water management, crop growth, and land-use change. Geoscientific Model Development, 2020, 13, 4713-4747.	1.3	14

#	ARTICLE	IF	CITATIONS
3324	CROP TYPE MAPPING FROM A SEQUENCE OF TERRASAR-X IMAGES WITH DYNAMIC CONDITIONAL RANDOM FIELDS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, III-7, 59-66.	0.0	1
3325	EXPLORING MACHINE LEARNING CLASSIFICATION ALGORITHMS FOR CROP CLASSIFICATION USING SENTINEL 2 DATA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W6, 573-578.	0.2	20
3326	Technology targeting for sustainable intensification of crop production in the Delta region of Bangladesh. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W3, 1475-1481.	0.2	1
3327	A Vision for Transdisciplinarity in Future Earth: Perspectives from Young Researchers. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 0, , 249-260.	2.4	11
3328	Perspectives for the Use of Quantitative Genetics in Breeding of Autogamous Plants. <i>ISRN Genetics</i> , 2013, 2013, 1-6.	0.1	14
3329	Marine Microalgae: Climate, Energy, and Food Security from the Sea. <i>Oceanography</i> , 2016, 29, .	0.5	33
3330	Multifunctional Role of Integrated Farming System in Developing Countries. <i>International Journal of Bio-resource and Stress Management</i> , 2015, 6, 424.	0.1	11
3331	Barriers to using consumer science information in food technology innovations: An exploratory study using Delphi methodology. <i>International Journal of Food Studies</i> , 2016, 5, .	0.5	9
3332	A meta-analysis contrasting active versus passive restoration practices in dryland agricultural ecosystems. <i>PeerJ</i> , 2020, 8, e10428.	0.9	17
3333	Variegated tropical landscapes conserve diverse dung beetle communities. <i>PeerJ</i> , 2017, 5, e3125.	0.9	31
3334	Significance and value of non-traded ecosystem services on farmland. <i>PeerJ</i> , 2015, 3, e762.	0.9	46
3335	Belowground fungal community diversity, composition and ecological functionality associated with winter wheat in conventional and organic agricultural systems. <i>PeerJ</i> , 2020, 8, e9732.	0.9	5
3336	Statistical estimation of crop yields for the Midwestern United States using satellite images, climate datasets, and soil property maps. <i>Korean Journal of Remote Sensing</i> , 2016, 32, 383-401.	0.4	1
3338	Going beyond FADN: The use of additional data to gain insights into extension service use across European Union Member States. <i>Studies in Agricultural Economics</i> , 2016, 118, 145-153.	0.8	7
3339	The Potentials of Agroforestry Systems in East Africa: A Case of the Eastern Arc Mountains of Tanzania. <i>International Journal of Plant & Soil Science</i> , 2017, 14, 1-11.	0.2	14
3340	Gene-Edited Crops: Present Status and their Future. <i>Han'guk Yukchong Hakhoe Chi</i> , 2019, 51, 175-183.	0.2	14
3341	Spring barley (<i>Hordeum vulgare</i> L.) Responses to Soil Injected Liquid Ammonium Nutrition under Different Growth Temperatures. <i>IOSR Journal of Agriculture and Veterinary Science</i> , 2014, 7, 01-10.	0.1	2
3342	Contemporary Investigations of Pakistan Food Insecurity and Trends of Global Food Supply and Demand. <i>IOSR Journal of Business and Management</i> , 2014, 16, 54-61.	0.1	1

#	ARTICLE	IF	CITATIONS
3343	Agroecology Towards Environmental Sustainability. , 2021, , 323-352.		4
3344	AgriLOVE: agriculture, land-use and technical change in an evolutionary, agent-based model. SSRN Electronic Journal, 0, , .	0.4	1
3345	Plant Growth Promoting Endophytic Bacteria for management of stresses in cereal crop productions. Journal of Natural Resource Conservation and Management, 2021, 2, 32.	0.3	0
3346	Factors of Sustainable Intensification in Agriculture of Ukraine: Evidence from the Enterprises of the Kharkivska Oblast. Scientific Bulletin of Mukachevo State University Series "Economics", 2021, 8, 9-17.	0.1	5
3347	Pathogenic Microbes Increase Plant Dependence on Arbuscular Mycorrhizal Fungi: A Meta-Analysis. Frontiers in Plant Science, 2021, 12, 707118.	1.7	4
3348	Projection of future drought and its impact on simulated crop yield over South Asia using ensemble machine learning approach. Science of the Total Environment, 2022, 807, 151029.	3.9	40
3349	Geo-Big Data in Digital Augmentation and Accelerating Sustainable Agroecosystems. Studies in Big Data, 2022, , 221-242.	0.8	2
3350	Role of Modeling in Assessing Climate Change. , 2022, , 269-296.		1
3351	Emerging Wearable Sensors for Plant Health Monitoring. Advanced Functional Materials, 2021, 31, 2106475.	7.8	65
3352	Molybdenum-induced effects on nitrogen uptake efficiency and recovery in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc Plant Nutrition and Soil Science, 2021, 184, 613-621.	1.1	8
3353	Optimal virtual water flows for improved food security in water-scarce countries. Scientific Reports, 2021, 11, 21027.	1.6	16
3354	Structure and Evolution of the International Pesticide Trade Networks. Frontiers in Physics, 2021, 9, .	1.0	7
3355	Plants Saline Environment in Perception with Rhizosphere Bacteria Containing 1-Aminocyclopropane-1-Carboxylate Deaminase. International Journal of Molecular Sciences, 2021, 22, 11461.	1.8	17
3356	Biodiversity alleviates the decrease of grassland multifunctionality under grazing disturbance: A global meta-analysis. Global Ecology and Biogeography, 2022, 31, 155-167.	2.7	32
3357	The food we eat, the air we breathe: a review of the fine particulate matter-induced air quality health impacts of the global food system. Environmental Research Letters, 2021, 16, 103004.	2.2	17
3358	Farming from space: model-data fusion approaches for simulating crop nitrogen and yield estimates. , 2021, , .		0
3359	Layered double hydroxides: Scale production and application in soil remediation as super-stable mineralizer. Chinese Journal of Chemical Engineering, 2022, 41, 42-48.	1.7	15
3360	Evaluation of the effect of smooth muscle cells on the quality of cultured meat in a model for cultured meat. Food Research International, 2021, 150, 110786.	2.9	17

#	ARTICLE	IF	CITATIONS
3361	Spatial heterogeneity of changes in cropland ecosystem water use efficiency and responses to drought in China. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	2
3362	Bottom-Up Forces in Agroecosystems and Their Potential Impact on Arthropod Pest Management. <i>Annual Review of Entomology</i> , 2022, 67, 239-259.	5.7	65
3363	Potential distribution and biosecurity risks from three economically important plantâ€parasitic nematodes. <i>Annals of Applied Biology</i> , 0, , .	1.3	2
3364	Expression Elements Derived From Plant Sequences Provide Effective Gene Expression Regulation and New Opportunities for Plant Biotechnology Traits. <i>Frontiers in Plant Science</i> , 2021, 12, 712179.	1.7	2
3365	Dataâ€Driven Sustainability: Metrics, Digital Technologies, and Governance in Food and Agriculture*. <i>Rural Sociology</i> , 2022, 87, 206-230.	1.1	8
3366	Differentiation of endospheric microbiota in ancient and modern wheat cultivar roots. <i>Plant-Environment Interactions</i> , 2021, 2, 235-248.	0.7	11
3367	Superâ€stable mineralization effect of layered double hydroxides for heavy metals: Application in soil remediation and perspective. <i>Exploration</i> , 2021, 1, 20210052.	5.4	10
3368	Concentrating vs. spreading our footprint: how to meet humanity's needs at least cost to nature. <i>Journal of Zoology</i> , 2021, 315, 79-109.	0.8	40
3369	Biofortification of Staple Crops to Eradicate Hidden Hunger: A Review. , 2021, , .		1
3370	Wheat physiology predictor: predicting physiological traits in wheat from hyperspectral reflectance measurements using deep learning. <i>Plant Methods</i> , 2021, 17, 108.	1.9	27
3371	Genetic Diversity in Almond (<i>Prunus dulcis</i>). , 0, , .		0
3372	GCI30: a global dataset of 30â€%m cropping intensity using multisource remote sensing imagery. <i>Earth System Science Data</i> , 2021, 13, 4799-4817.	3.7	34
3373	Potential Role of Technology Innovation in Transformation of Sustainable Food Systems: A Review. <i>Agriculture (Switzerland)</i> , 2021, 11, 984.	1.4	41
3374	Predicting the Habitat Suitability of <i>Melaleuca cajuputi</i> Based on the MaxEnt Species Distribution Model. <i>Forests</i> , 2021, 12, 1449.	0.9	22
3375	Liming Optimizes Nitrogen Fertilization in a Maize-Upland Rice Rotation under No-Till Conditions. <i>Agronomy</i> , 2021, 11, 2005.	1.3	6
3376	Protecting habitats in low-intensity tropical farmland using carbon-based payments for ecosystem services. <i>Environmental Research Letters</i> , 2021, 16, 114022.	2.2	4
3378	Land use intensification increasingly drives the spatiotemporal patterns of the global human appropriation of net primary production in the last century. <i>Global Change Biology</i> , 2022, 28, 307-322.	4.2	33
3379	Optimality-based modelling of climate impacts on global potential wheat yield. <i>Environmental Research Letters</i> , 2021, 16, 114013.	2.2	5

#	ARTICLE	IF	CITATIONS
3380	Comparative Dynamic Transcriptome Reveals the Delayed Secondary-Cell-Wall Thickening Results in Altered Lint Percentage and Fiber Elongation in a Chromosomal Segment Substitution Line of Cotton (<i>Gossypium hirsutum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 756434.	1.7	2
3381	Cover Crop Effects on Cash Crops in Northern Great Plains No-till Systems Are Annually Variable and Possibly Delayed. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 153-169.	0.6	2
3382	Maize grain yield and water use efficiency in relation to climatic factors and plant population in northern China. <i>Journal of Integrative Agriculture</i> , 2021, 20, 3156-3169.	1.7	15
3383	Is operationalising natural capital risk assessment practicable?. <i>Ecosystem Services</i> , 2021, 52, 101364.	2.3	4
3385	Plant phenome to genome: a mini-review. <i>Functional Plant Biology</i> , 2012, 39, iii.	1.1	2
3387	Quality Comes with a Price Tag: The Deadly Triangle of Economics, Hunger, and Child Development. , 2013, , 131-192.		0
3388	Role of Food and Agricultural Sciences in Society, <i>Ethics.</i> , 2013, , 1-12.		0
3390	Critical Evaluation of Soybean Role in Animal Production Chains Based on the Valorization of Locally Produced Feedstuff. , 0, , .		2
3391	ENERGY IN GLOBAL AGRICULTURE AS THE HUMAN POPULATION PEAKS. , 2013, , .		0
3393	Biodiversity Agriculture Supports Human Populations. , 2014, , 19-25.		0
3394	Sustainability Standards. <i>Biotechnology in Agriculture and Forestry</i> , 2014, , 31-57.	0.2	0
3395	Architecting Change: Building Acceptance of New Solutions in Emerging Markets. , 2014, , .		0
3397	Functions of Nitrogen in Crop Plants. , 2014, , 18-83.		0
3398	Veterinary & Animal Research: Feeding the World in the 21st Century. <i>Journal of Dairy Veterinary & Animal Research</i> , 0, , .	0.3	0
3401	Comparative Analysis of Crop Monitoring System Based on Remotely-Sensed Data. <i>Korean Journal of Remote Sensing</i> , 2014, 30, 641-650.	0.4	2
3402	The International Legal Regime for Sustainable Soil. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
3403	The Myth of Sustainable Food Supply and the Urgent Need for Radical Change from Competitive Corporatism to Sustainable Stewardship. , 2015, , 141-154.		0
3404	Global Trends and Possible Future Land Use. , 2015, , 43-62.		1

#	ARTICLE	IF	CITATIONS
3405	Evaluations on the potential productivity of winter wheat based on agro-ecological zone in the world. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 115-119.	0.2	0
3407	Potential of increasing yield while mitigating climate change in Australian wheat systems: a simulation study. , 0, , .		0
3408	The Extended Classroom Framework for Teaching Systems Analysis of Food Systems. Journal of Natural Resources and Life Sciences Education, 2015, 44, 101-111.	0.8	3
3409	Research Organizations of the World: CGIAR. , 2016, , .		0
3410	Animals in International Development, Ethics, Dilemmas and Possibilities. Studies in Global Justice, 2016, , 113-132.	0.2	0
3411	A Study on the application of Remote Sensing, GIS and GPS Tools in Precision Business. International Journal of Research in Advance Engineering, 2016, 1, 1.	0.1	1
3412	ALLOMETRIC MODELS FOR ESTIMATING ABOVEGROUND BIOMASS AND BIOMASS ALLOCATION OF CAPIXINGUI TREES (Croton floribundus Spreng.) IN AN AGRISILVICULTURAL SYSTEM. Revista Arvore, 2016, 40, 279-288.	0.5	1
3413	Regulation of sodium-dependent bicarbonate transporter, SbtA. ANU Undergraduate Research Journal, 2016, 7, .	0.1	0
3414	Measuring the relative importance of different agricultural inputs to global and regional crop yield growth since 1975. F1000Research, 0, 5, 2930.	0.8	1
3415	Spring Wheat-field Pea Rotation with Tillage Systems and Straw Retention Improves Soil Water Utilization and Reduces Carbon Emission. Journal of Agronomy, 2016, 16, 32-39.	0.4	2
3417	Twenty Years of Life Cycle Assessment in Agriculture: Trends in the International Conferences. Journal of Life Cycle Assessment Japan, 2017, 13, 224-233.	0.0	0
3418	The Ecological and Perpetual Dimensions of European Food Security: The Case for Sustainable Agriculture. Legal Issues in Transdisciplinary Environmental Studies, 2017, , 19-51.	0.1	0
3419	PRICE DISCOVERY IN THE SOUTH AFRICAN WHITE AND YELLOW MAIZE FUTURES MARKET. , 2017, 73, .		2
3420	Refining the Risk Analysis Framework. Natural Resource Management and Policy, 2017, , 171-186.	0.1	0
3421	3D Imaging Systems for Agricultural Applications. , 2017, , 622-651.		0
3423	Consent and Exploitation. , 2017, , 31-48.		0
3424	3D Imaging Systems for Agricultural Applications. Advances in Computational Intelligence and Robotics Book Series, 2017, , 236-272.	0.4	0
3425	The Effects of Environmental Conditions and External Treatments on Virulence of Foodborne Pathogens. , 2017, , 305-332.		0

#	ARTICLE	IF	CITATIONS
3427	Wpływ typów rolnictwa na emisję gazów cieplarnianych. , 2017, , 99-122.	0.1	2
3430	Global role of plant breeding in tackling climate change. International Journal of Agricultural Science and Food Technology, 2021, , 223-229.	0.2	4
3431	Environmental Impact of Livestock Production. Agricultural Research & Technology: Open Access Journal, 2017, 8, .	0.1	1
3432	Estimating Future Global Needs for Nitrogen Based on Regional Changes of Food Demand. Agricultural Research & Technology: Open Access Journal, 2017, 8, .	0.1	1
3433	Precision Management Practices - A Much Needed Set of Agro-Techniques to Improve Rice Productivity and Cutback the Resources in Aerobic Condition under Drip Irrigation. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 2800-2810.	0.0	0
3435	Cropping Systems: Shaping Nature. , 2018, , 1-25.		0
3436	Helga – Be Part of the Re-Generation. , 2018, , 405-438.		0
3437	Decarbonizing the Boardroom? Aligning Electric Utility Executive Compensation With Climate Change Incentives. SSRN Electronic Journal, 0, , .	0.4	0
3439	Review of the Impacts on Nonrenewable Resources of Land-Use Changes Induced by Non-food Biomass Production. Sustainable Agriculture Reviews, 2018, , 213-226.	0.6	0
3440	Gospodarowanie odpadami a rozwój norodności biologiczna. Polish Journal for Sustainable Development, 2018, 22, 47-54.	0.0	0
3441	CHANGES IN MACRONUTRIENT CONCENTRATIONS IN SOIL SOLUTION FOLLOWING REGENERATION FELLING IN PINE AND SPRUCE STANDS: WHOLE-TREE HARVESTING VERSUS STEM-ONLY HARVESTING. , 0, , .		1
3442	Productivity and adaptability of myronivka spring barley varieties of different breeding periods. Plant Varieties Studying and Protection, 2018, 14, 190-202.	0.1	3
3443	27. Questioning long-term global food futures studies: a systematic, empirical, and normative approach. , 2018, , .		0
3444	Climate – smart agriculture vs. agroecology to mitigate GHG emissions in Argentinean Agriculture: a false dichotomy. MOJ Ecology & Environmental Sciences, 2018, 3, .	0.1	0
3445	Yield and stability of myronivka winter barley varieties. Plant Breeding and Seed Production, 2018, .	0.2	0
3447	Climate Smart Agriculture Practices in Semi-arid Northern Ghana: Implications for Sustainable Livelihoods. Journal of Sustainable Development, 2018, 11, 57.	0.1	2
3450	Recommended nitrogen fertilization enhances soil carbon sequestration in China’s monsoonal temperate zone. PeerJ, 2018, 6, e5983.	0.9	4
3451	Global Drivers and Megatrends in Agri-Food Systems. World Scientific Series in Grand Public Policy Challenges of the 21st Century, 2018, , 47-83.	0.3	5

#	ARTICLE	IF	CITATIONS
3453	Alternative Farming Systems for Diversification and Conservation of Agro-biodiversity. , 2019, , 319-361.		0
3455	An Empirical Study of Green Finance Research Through Bibliometrics. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 84-106.	0.3	1
3457	Advantages and Cost of Participatory Plant Breeding. , 2019, , 87-107.		2
3458	Genetic characterisation and agronomic and nutritional value of bitter vetch (<i>Vicia ervilia</i>), an under-utilised species suitable for low-input farming systems. Crop and Pasture Science, 2019, 70, 606.	0.7	2
3459	The Shift of Traditional Agroecosystems in the in Eastern Arc Catchments of Tanzania. Agricultural Sciences, 2019, 10, 1343-1358.	0.2	2
3460	Omics Data Integration in Microbial Research for Agricultural and Environmental Applications. , 2019, , 461-491.		2
3461	Carbon Sequestration: Pathway to Increased Agricultural Productivity and Zero Hunger for Developing Countries. Encyclopedia of the UN Sustainable Development Goals, 2019, , 1-13.	0.0	0
3462	Eating To Save The Planet: Evidence from a Randomized Controlled Trial Using Individual-Level Food Purchase Data. SSRN Electronic Journal, 0, , .	0.4	1
3463	Ecohydrology of Agroecosystems: Interactions Between Local and Global Processes. , 2019, , 511-532.		1
3464	Land Cover Change in a Freshwater Swamp Forest Landscape: Implications for Biodiversity Conservation. Journal of Environmental Protection, 2019, 10, 1578-1590.	0.3	0
3465	Ethics in Food and Agricultural Sciences. , 2019, , 784-794.		0
3466	A LARGER ROOT SYSTEM IN OAT (<i>AVENA NUDA</i> L.) IS COUPLED WITH ENHANCED BIOMASS ACCUMULATION AND HORMONAL ALTERATIONS UNDER LOW NITROGEN. Applied Ecology and Environmental Research, 2019, 17, 4631-4653.	0.2	1
3467	Post-Malthusian Dilemmas in Agriculture 4.0. , 2019, , 1-16.		1
3468	Water, Sanitation, and Irrigation. , 2019, , 47-70.		0
3471	Establishing Sustainable Food Production Communities of Practice: Nutrition Gardening and Pond Fish Farming in the Kolli Hills, India. Journal of Agriculture, Food Systems, and Community Development, 0, , 1-15.	2.4	0
3473	Opportunities to improve the future of South Australia's terrestrial biodiversity. Rethinking Ecology, 0, 4, 45-77.	0.0	1
3478	Precision nitrogen and water management for maize production in the western great plains of the US. , 2019, , .		0
3480	Multidimensional Framework for Achieving Sustainable and Resilient Food Systems in Nigeria. , 2020, , 1137-1159.		0

#	ARTICLE	IF	CITATIONS
3484	Ar-Ge HarcamalarÄ± ve BÄ±yÄ±me: TÄ±rkiye TarÄ±m SektÄ±rÄ±nÄ±n Ä°zerine Ampirik Bir Ä±alÄ±Åma. TÄ±rkiye TarÄ±msal AraÅtÄ±rmalar Dergisi, 0, , .	0.5	0
3485	Nitrogen Regulation in Chinaâ€™s Agricultural Systems. , 2020, , 297-309.		2
3487	Innovation for Future Proofing the Food Ecosystem: Emerging Approaches. Contributions To Management Science, 2020, , 105-134.	0.4	2
3488	Design and Development of Fertilizer Metering System for Tractor drawn Liquid Fertilizer Applicator. Journal of AgriSearch, 2019, 6, .	0.1	0
3489	Haploid Production Technology: Fasten Wheat Breeding to Meet Future Food Security. , 2020, , 139-165.		3
3490	Role of Molecular Tools and Biotechnology in Climate-Resilient Agriculture. , 2020, , 491-529.		1
3491	Resilient and Dynamic Soil Biology. , 2020, , 251-266.		1
3493	Ecological Effects and Countermeasures of Low Carbon Agriculture Development in Hunan Province. World Economic Research, 2020, 09, 98-105.	0.1	0
3494	Characterization of Novel Torrefied Biomass and Biochar Amendments. Agricultural Sciences, 2020, 11, 157-177.	0.2	1
3495	Assessment of ecological stability in yield for breeding of spring barley cultivars with increased adaptive potential. Regulatory Mechanisms in Biosystems, 2020, 11, 425-430.	0.5	0
3496	INTEGRATED PLANT PROTECTION SYSTEM IN FORMATION OF BALANCED AGROECOSYSTEMS. Balanced Nature Using, 2020, .	0.1	3
3499	Applying deep neural networks to predict incidence and phenology of plant pests and diseases. Ecosphere, 2021, 12, e03791.	1.0	11
3500	Accelerated shifts in terrestrial life zones under rapid climate change. Global Change Biology, 2022, 28, 918-935.	4.2	24
3501	Longâ€term changes in paddy soil fertility in tropical Asia after 50 years of the Green Revolution. European Journal of Soil Science, 2022, 73, .	1.8	8
3502	Development of an Integrated Model to Assess the Impact of Agricultural Practices and Land Use on Agricultural Production in Morocco under Climate Stress over the Next Twenty Years. Sustainability, 2021, 13, 11943.	1.6	7
3503	Smart System for Automated Irrigation Using Internet of Things Devices. HortTechnology, 2021, 31, 642-649.	0.5	4
3504	Control of crop diseases through Integrated Crop Management to deliver climateâ€smart farming systems for lowâ€and highâ€input crop production. Plant Pathology, 2022, 71, 187-206.	1.2	32
3505	Technologies and perspectives for achieving carbon neutrality. Innovation(China), 2021, 2, 100180.	5.2	306

#	ARTICLE	IF	CITATIONS
3506	Evaluating and Adapting Climate Change Impacts on Rice Production in Indonesia: A Case Study of the Keduang Subwatershed, Central Java. <i>Environments - MDPI</i> , 2021, 8, 117.	1.5	19
3507	Genome and systems biology of <i>Melilotus albus</i> provides insights into coumarins biosynthesis. <i>Plant Biotechnology Journal</i> , 2022, 20, 592-609.	4.1	24
3508	Future roots for future soils. <i>Plant, Cell and Environment</i> , 2022, 45, 620-636.	2.8	39
3510	Sustaining Water Resources. , 2020, , 149-163.		1
3511	Restoring soil health to reduce irrigation demand and buffer the impacts of drought. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 339.	0.9	3
3512	Using manure for improving nitrogen fertilization and maize yield. <i>Experimental Agriculture</i> , 2020, 56, 901-914.	0.4	4
3513	A combined microphysiological-computational omics approach in dietary protein evaluation. <i>Npj Science of Food</i> , 2020, 4, 22.	2.5	2
3514	Applying Machine Learning Techniques to Extract dosages of Fertilizers for Precision Agriculture. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 614, 012136.	0.2	3
3515	Natural Resources Intensification and Footprints Management for Sustainable Food System. , 2021, , 25-68.		3
3517	Carbon and Nitrogen Footprints Management for Environmental and Food Security. , 2021, , 115-153.		0
3520	Estimation of Leaf Water Use Efficiency Threshold Values for Water Stress in Winter Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	1
3521	Trends in Plant-Based Substitutes for Animal Proteins. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2020, 67, 459-473.	0.1	3
3522	Land Footprint Management and Policies. , 2021, , 221-246.		25
3523	Economic Impact of Climate Change on Agriculture: Case of Africa. , 2021, , 1913-1937.		1
3524	Crop-livestock integration provides opportunities to mitigate environmental trade-offs in transitioning smallholder agricultural systems of the Greater Mekong Subregion. <i>Agricultural Systems</i> , 2022, 195, 103285.	3.2	15
3525	Long-term excessive phosphorus fertilization alters soil phosphorus fractions in the acidic soil of pomelo orchards. <i>Soil and Tillage Research</i> , 2022, 215, 105214.	2.6	50
3526	Factors influencing farmer and resident willingness to adopt an agri-environmental scheme in Israel. <i>Journal of Environmental Management</i> , 2022, 302, 114066.	3.8	12
3527	Productivity and water use in forage-winter wheat cropping systems across variable precipitation gradients on the Loess Plateau of China. <i>Agricultural Water Management</i> , 2022, 259, 107250.	2.4	11

#	ARTICLE	IF	CITATIONS
3528	Ensuring future agricultural sustainability in China utilizing an observationally validated nutrient recommendation approach. <i>European Journal of Agronomy</i> , 2022, 132, 126409.	1.9	21
3529	Back to the past: Improving photosynthesis with cyanobacterial genes. , 2022, , 61-98.		0
3530	Agricultural land systems importance for supporting food security and sustainable development goals: A systematic review. <i>Science of the Total Environment</i> , 2022, 806, 150718.	3.9	135
3531	Effects of irrigation and fertilization on grain yield, water and nitrogen dynamics and their use efficiency of spring wheat farmland in an arid agricultural watershed of Northwest China. <i>Agricultural Water Management</i> , 2022, 260, 107277.	2.4	33
3532	Designing Multifunctional and Resilient Agricultural Landscapes: Lessons from Long-Term Monitoring of Biodiversity and Land Use. , 2020, , 203-224.		1
3533	Labile soil carbon and nitrogen fractions under short and long-term integrated crop-livestock agroecosystems. <i>Soil Research</i> , 2021, , .	0.6	1
3535	PLANT DENSITY, IRRIGATION AND NITROGEN MANAGEMENT: THREE MAJOR PRACTICES IN CLOSING YIELD GAPS FOR AGRICULTURAL SUSTAINABILITY IN NORTH-WEST CHINA. <i>Frontiers of Agricultural Science and Engineering</i> , 2021, 8, 525.	0.9	1
3536	Plant Biotechnology for Agricultural Sustainability. , 2020, , 389-425.		1
3537	Use of Biotechnology for Crop Improvement in Sri Lanka: Current Status and Future Prospects. , 2020, , 89-106.		1
3538	Sustainable intensification of agriculture is key to feeding Africa in the 21st century. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 366.	0.9	3
3539	Assessing the Impact of Pumpkins Plantation, Harvest and Storage Decisions on a Collaborative Supply Chain with Data Analysis Tools. <i>IFIP Advances in Information and Communication Technology</i> , 2020, , 511-523.	0.5	0
3540	Plant-Based Biostimulants and Plant Stress Responses. , 2020, , 625-661.		8
3541	SIGNIFICANCE OF PARTIAL ROOT ZONE DRYING AND MULCHES FOR WATER SAVING AND WEED SUPPRESSION IN WHEAT. <i>Journal of Animal and Plant Sciences</i> , 2020, 30, .	0.7	8
3542	Coupling Analysis of Farmland and Rural Housing Land Transitions in China. , 2020, , 235-288.		1
3543	Agricultural Runoff and Treatment Methods. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 550-575.	0.3	1
3544	Potential of Extensification of European and Dutch Agriculture for a More Sustainable Food System Focusing on Nitrogen and Livestock. , 2020, , 83-98.		1
3545	Carbon Sequestration: Pathway to Increased Agricultural Productivity and Zero Hunger for Developing Countries. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 147-159.	0.0	0
3547	Assessing Synergies and Trade-Offs from Nitrogen Use in Africa. , 2020, , 65-82.		2

#	ARTICLE	IF	CITATIONS
3549	Impact of GM Crops on Farmland Biodiversity. <i>Topics in Biodiversity and Conservation</i> , 2020, , 21-34.	0.3	0
3550	Quantification of agricultural land balance sheet of Purworejo District in 2009 and 2018. <i>E3S Web of Conferences</i> , 2020, 200, 03010.	0.2	1
3551	Nutrients in a Changing Environment: Implications on the Sustainability of the Okavango Delta. , 2020, , 33-48.		0
3552	Enhancing Abiotic Stress Tolerance in Plants Through Genome Editing. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , 91-117.	0.6	0
3553	Food Security Through Rational Land Management. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 129-146.	0.3	0
3555	Has breeding altered the light environment, photosynthetic apparatus, and photosynthetic capacity of wheat leaves?. <i>Journal of Experimental Botany</i> , 2022, 73, 3205-3220.	2.4	7
3558	An Internet of Things (IoT) Solution to Optimise the Livestock Feed Supply Chain. , 2020, , .		2
3559	Environmental Impact Assessment of Agricultural Production Using LCA: A Review. <i>Climate</i> , 2021, 9, 164.	1.2	23
3560	Effects of Agricultural Use on Endangered Plant Taxa in Spain. <i>Agriculture (Switzerland)</i> , 2021, 11, 1097.	1.4	2
3561	Natural alleles of a uridine 5'â€¢diphosphoâ€¢glucosyltransferase gene responsible for differential endosperm development between upland rice and paddy rice. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 135-148.	4.1	2
3563	Improving the Scientific Understanding of the Paradox of Irrigation Efficiency: An Integrated Modeling Approach to Assessing Basinâ€¢Scale Irrigation Efficiency. <i>Water Resources Research</i> , 2021, 57, e2020WR029397.	1.7	8
3564	Farmersâ€¢ knowledge, attitudes and practices towards management of cassava pests and diseases in forest transition and Guinea savannah agro-ecological zones of Ghana. <i>Gates Open Research</i> , 2020, 4, 101.	2.0	3
3566	Intercropping of small millets for agricultural sustainability in drylands : A review. <i>Crop Research</i> , 2020, 55, .	0.1	4
3567	The Future of Antibiotics and Meat. , 0, , 1335-1357.		1
3568	The Global Competitiveness and Comparative Advantages of Agri-Food Sectors. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , 0, , 1-36.	0.2	0
3569	Patterns recognition methods to study genotypic similarity in flood-irrigated rice. <i>Bragantia</i> , 2020, 79, 356-363.	1.3	4
3574	Mapping of Agriculture Productivity Variability for the SAARC Nations in Response to Climate Change Scenario for the Year 2050. , 2021, , 249-262.		1
3575	Productivity and Quality of Diverse Ripe Pasture Grass Fodder Depends on the Method of Soil Cultivation. <i>Acta Agrobotanica</i> , 2020, 73, .	1.0	9

#	ARTICLE	IF	CITATIONS
3578	Historical trends of the ecotoxicological pesticide risk from the main grain crops in Rolling Pampa (Argentina). PLoS ONE, 2020, 15, e0238676.	1.1	3
3579	Fitopatogenlere Karşıtı Dayanıklı İhtiyaçta CRISPR/Cas Teknolojisi. European Journal of Science and Technology, 2020, 11, 1-10.	0.5	1
3580	Achieving Food and Nutrition Security and Climate Change: Clash of the Titans or Alignment of the Stars?. , 2021, , 1-36.		0
3581	Inheritance in F1 and transgressive variability in F2 of the main ear length by crossing wheat varieties with different maturity. Agrobio-ology, 2020, , 70-78.	0.2	4
3583	La milpa como modelo para el estudio de la biodiversidad e interacciones planta-bacteria. TIP Revista Especializada En Ciencias Químico-Biológicas, 2023, , 1-10.	0.3	3
3584	Agriculture futurist: Don Ort. Plant Physiology, 2021, 185, 16-20.	2.3	1
3586	The environmental costs and benefits of high-yield farming. Nature Sustainability, 2018, 1, 477-485.	11.5	36
3587	The World's Agricultural Resources Is It Possible to Improve It Due to Heat and Drought Cases?. Journal of Agricultural Chemistry and Environment, 2021, 10, 447-457.	0.2	0
3588	Evaluating environmental and economic trade-offs in cattle feed strategies using multiobjective optimization. Agricultural Systems, 2022, 195, 103308.	3.2	5
3589	Growers' adoption intention of innovations is crucial to establish a sustainable greenhouse horticultural industry. Journal of Cleaner Production, 2022, 330, 129752.	4.6	7
3590	Temporal and spatial variations in nitrogen use efficiency of crop production in China. Environmental Pollution, 2022, 293, 118496.	3.7	23
3591	Reducing agriculture irrigation water consumption through reshaping cropping systems across China. Agricultural and Forest Meteorology, 2022, 312, 108707.	1.9	24
3592	Cyberespionage: Socioeconomic implications on sustainable food security. , 2022, , 477-486.		5
3593	Sustainable livestock production and biodiversity. , 2022, , 91-108.		1
3594	Novel target sites for soybean yield enhancement by photosynthesis. Journal of Plant Physiology, 2022, 268, 153580.	1.6	12
3595	Conflicts between agriculture and biodiversity conservation in Europe: Looking to the future by learning from the past. Advances in Ecological Research, 2021, 65, 3-56.	1.4	9
3596	The external dependence of ecological products: Spatial-temporal features and future predictions. Journal of Environmental Management, 2022, 304, 114190.	3.8	4
3597	Spatial patterns of county-level arable land productive-capacity and its coordination with land-use intensity in mainland China. Agriculture, Ecosystems and Environment, 2022, 326, 107757.	2.5	46

#	ARTICLE	IF	CITATIONS
3598	The spatial-temporal coupling pattern of grain yield and fertilization in the North China plain. <i>Agricultural Systems</i> , 2022, 196, 103330.	3.2	15
3599	Naturalizing the state and symbolizing power in Russian agricultural land use. <i>Political Geography</i> , 2022, 93, 102545.	1.3	4
3600	Basics of Sensor-Based Phenotyping in Wheat. <i>Springer Protocols</i> , 2022, , 305-331.	0.1	0
3601	Healthy values and <i>de novo</i> domestication of sand rice (<i>Agriophyllum squarrosum</i>), a comparative view against <i>Chenopodium quinoa</i> . <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 4188-4209.	5.4	7
3602	The end of hunger: fertilizers, microbes and plant productivity. <i>Microbial Biotechnology</i> , 2022, 15, 1050-1054.	2.0	22
3603	Integrated Physiological, Transcriptomic, and Metabolomic Analyses Revealed Molecular Mechanism for Salt Resistance in Soybean Roots. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12848.	1.8	12
3604	Impact of urbanization trends on production of key staple crops. <i>Ambio</i> , 2022, 51, 1158-1167.	2.8	18
3605	Positive forest cover effects on coffee yields are consistent across regions. <i>Journal of Applied Ecology</i> , 2022, 59, 330-341.	1.9	12
3606	Prepare developed democracies for long-run economic slowdowns. <i>Nature Human Behaviour</i> , 2021, 5, 1608-1621.	6.2	9
3607	A meta-analysis of potential ecological risk evaluation of heavy metals in sediments and soils. <i>Gondwana Research</i> , 2022, 103, 487-501.	3.0	44
3608	Evolutionary bet-hedging in arbuscular mycorrhiza-associated angiosperms. <i>New Phytologist</i> , 2022, 233, 1984-1987.	3.5	14
3609	Alternative pathway to photorespiration protects growth and productivity at elevated temperatures in a model crop. <i>Plant Biotechnology Journal</i> , 2022, 20, 711-721.	4.1	33
3610	Deep placement of nitrogen fertilizer increases rice yield and energy production efficiency under different mechanical rice production systems. <i>Field Crops Research</i> , 2022, 276, 108359.	2.3	12
3611	Initiative use of climate change hotspots for targeting adaptation sites in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 893, 012035.	0.2	0
3612	Cardoon Meal as Alternative Protein Source to Soybean Meal for Limousine Bulls Fattening Period: Effects on Growth Performances and Meat Quality Traits. <i>Animals</i> , 2021, 11, 3383.	1.0	1
3613	<i>Pseudomonas fluorescens</i> Showing Antifungal Activity against <i>Macrophomina phaseolina</i> , a Severe Pathogenic Fungus of Soybean, Produces Phenazine as the Main Active Metabolite. <i>Biomolecules</i> , 2021, 11, 1728.	1.8	14
3614	Connectivity in rural areas: a case study on internet connection in the Italian agricultural areas. , 2021, , .		1
3615	Low power Wireless Sensor Network for precision agriculture: a battery-less operation scenario. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
3616	Suitable chemical fertilizer reduction mitigates the water footprint of maize production: evidence from Northeast China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22589-22601.	2.7	12
3617	Homecoming: rewinding the reductive evolution of the chloroplast genome for increasing crop yields. <i>Nature Communications</i> , 2021, 12, 6734.	5.8	7
3618	Selection and breeding of pollution-safe cultivars (PSCs) – An eco-friendly technology for safe utilization of heavy metal(loid) contaminated soils. <i>Environmental Technology and Innovation</i> , 2022, 25, 102142.	3.0	16
3619	Dynamically Controlled Environment Agriculture: Integrating Machine Learning and Mechanistic and Physiological Models for Sustainable Food Cultivation. <i>ACS ES&T Engineering</i> , 2022, 2, 3-19.	3.7	21
3621	Mapping global inputs and impacts from of human sewage in coastal ecosystems. <i>PLoS ONE</i> , 2021, 16, e0258898.	1.1	52
3622	Efficiency of Rice Husk Biochar with Poultry Litter Co-Composts in Oxisols for Improving Soil Physico-Chemical Properties and Enhancing Maize Performance. <i>Agronomy</i> , 2021, 11, 2409.	1.3	2
3623	Optimizing organic amendment applications to enhance carbon sequestration and economic benefits in an infertile sandy soil. <i>Journal of Environmental Management</i> , 2022, 303, 114129.	3.8	10
3624	Urea Application Rate for Crop Straw Decomposition in Temperate China. <i>Applied and Environmental Soil Science</i> , 2021, 2021, 1-12.	0.8	2
3625	The Role of Foschami Bio-Fertilizer in Increasing the Yield of Green Mass of Vetch-Wheat Grass Mixture. <i>Lecture Notes in Networks and Systems</i> , 2022, , 55-65.	0.5	1
3626	Time for Science-Based National Targets for Environmental Sustainability: An Assessment of Existing Metrics and the ESGAP Framework. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	4
3627	Machine Learning in Food Security and Sustainability. , 2022, , 1-17.		0
3628	The sustainable agriculture imperative: A perspective on the need for an agrosystem approach to meet the United Nations Sustainable Development Goals by 2030. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1199-1205.	1.6	15
3629	Evaluation of saline water irrigation on cotton growth and yield using the AquaCrop crop simulation model. <i>Agricultural Water Management</i> , 2022, 261, 107355.	2.4	12
3630	Structural equation model of young farmers' intention to adopt sustainable agriculture: a case study in Bangladesh. <i>Renewable Agriculture and Food Systems</i> , 2022, 37, 142-154.	0.8	9
3631	UAV Remote Sensing Assessment of Crop Growth. <i>Photogrammetric Engineering and Remote Sensing</i> , 2021, 87, 891-899.	0.3	3
3632	Bridge over troubled water: managing compatibility and conflict among thought collectives in sustainability science. <i>Sustainability Science</i> , 2022, 17, 27-44.	2.5	4
3633	Necessary Parameters of Vertically Mounted Textile Substrates for Successful Cultivation of Cress for Low-Budget Vertical Farming. <i>Tekstilec</i> , 2021, 64, 276-285.	0.3	1
3634	Determination of the Conditions for Image Analysis of Rice Based on a Crop Phenomic Platform. <i>Han'guk Yukchong Hakhoe Chi</i> , 2021, 53, 450-457.	0.2	2

#	ARTICLE	IF	CITATIONS
3635	The agglomeration and dispersion dichotomy of human settlements on Earth. <i>Scientific Reports</i> , 2021, 11, 23289.	1.6	9
3636	Impacts of supply-side climate change mitigation practices and trade policy regimes under dietary transition: the case of European agriculture. <i>Environmental Research Letters</i> , 2021, 16, 124048.	2.2	15
3638	Managing runoff in rainfed agriculture under no-till system: potential for improving crop production. <i>Revista Brasileira De Ciencia Do Solo</i> , 2021, 45, .	0.5	1
3640	The Importance of Adopting and Mainstreaming Climate-Smart Diets for Sustained Resilience. , 2021, , 719-731.		0
3641	Long-term effects of tillage systems on liming efficiency, soil chemical properties and wheat yield in Southern Brazil. <i>Soil Research</i> , 2022, 60, 497-510.	0.6	6
3643	Identifying causes of crop yield variability with interpretive machine learning. <i>Computers and Electronics in Agriculture</i> , 2022, 192, 106632.	3.7	21
3644	How does rural labor migration affect crop diversification for adapting to climate change in the Hehuang Valley, Tibetan Plateau?. <i>Land Use Policy</i> , 2022, 113, 105928.	2.5	19
3645	Role of OsCZMT1 in Na ⁺ and Mg ²⁺ transport and salinity insensitivity. <i>Environmental and Experimental Botany</i> , 2022, 194, 104754.	2.0	5
3646	Biofertilization with photosynthetic bacteria as a new strategy for mitigating photosynthetic acclimation to elevated CO ₂ on cherry tomato. <i>Environmental and Experimental Botany</i> , 2022, 194, 104758.	2.0	4
3647	On farm plant reintroduction: A decision framework for plant conservation translocation in EU agro-ecosystems. <i>Journal for Nature Conservation</i> , 2022, 65, 126113.	0.8	1
3648	Life cycle assessment of plant cell cultures. <i>Science of the Total Environment</i> , 2022, 808, 151990.	3.9	12
3649	Electrochemical nutrient removal from natural wastewater sources and its impact on water quality. <i>Water Research</i> , 2022, 210, 118001.	5.3	11
3650	Electrochemical separation of organic acids and proteins for food and biomanufacturing. <i>Chemical Engineering Research and Design</i> , 2022, 178, 267-288.	2.7	25
3651	Hyperspectral estimation of canopy chlorophyll of winter wheat by using the optimized vegetation indices. <i>Computers and Electronics in Agriculture</i> , 2022, 193, 106654.	3.7	18
3652	Spatial-temporal changes and driving factors of the coordinated relationship among multiple land use efficiencies integrating stakeholders' vision in eastern China. <i>Journal of Cleaner Production</i> , 2022, 336, 130406.	4.6	10
3653	Using knowledge-based management for sustainable phosphorus use in China. <i>Science of the Total Environment</i> , 2022, 814, 152739.	3.9	10
3654	Organic fertilizers in greenhouse production systems – a review. <i>Scientia Horticulturae</i> , 2022, 295, 110855.	1.7	38
3655	Optimizing the ridge–furrow ratio and nitrogen application rate can increase the grain yield and water use efficiency of rain-fed spring maize in the Loess Plateau region of China. <i>Agricultural Water Management</i> , 2022, 262, 107430.	2.4	14

#	ARTICLE	IF	CITATIONS
3656	Soil-root interaction in the rhizosphere regulates the water uptake of wheat. <i>Rhizosphere</i> , 2022, 21, 100462.	1.4	12
3657	Tomato productivity and soil greenhouse gas emissions under reduced water and N fertilizers in a Mediterranean environment. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107819.	2.5	7
3658	Wheat yield losses from pests and pathogens in China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107821.	2.5	21
3659	Implication of imposing fertilizer limitations on energy, agriculture, and land systems. <i>Journal of Environmental Management</i> , 2022, 305, 114391.	3.8	13
3660	Short-term legacy effects of rice season irrigation and fertilization on the soil bacterial community of the subsequent wheat season in a rice-wheat rotation system. <i>Agricultural Water Management</i> , 2022, 263, 107446.	2.4	7
3661	Immediate and long-term effects of tillage practices with crop residue on soil water and organic carbon storage changes under a wheat-maize cropping system. <i>Soil and Tillage Research</i> , 2022, 218, 105309.	2.6	19
3662	Size/shape-dependent migration of microplastics in agricultural soil under simulative and natural rainfall. <i>Science of the Total Environment</i> , 2022, 815, 152507.	3.9	41
3663	THE RELATIONSHIP BETWEEN ECONOMIC GROWTH AND AGRICULTURAL LAND-USE INTENSITY. <i>Russian Journal of Agricultural and Socio-Economic Sciences</i> , 2020, 107, 160-168.	0.1	1
3664	Methodology for Plant Specific Cultivation through a Plant Identification pipeline. , 2020, , .		2
3666	Research Progress of Intelligent Monitoring and Control in Aquaponics. , 2021, , .		2
3667	Wheat Spike Counting Using Regression and Localization Approaches. , 2021, , .		2
3668	Research on optimization methods for solving food crisis based on factor analysis and time prediction. , 2021, , .		0
3669	Carbon Materials Advancing Microorganisms in Driving Soil Organic Carbon Regulation. <i>Research</i> , 2022, 2022, 9857374.	2.8	14
3670	Engineering CRISPR immune systems conferring GLRaV-3 resistance in grapevine. <i>Horticulture Research</i> , 2022, 9, .	2.9	7
3671	Nano metal-carbon-based materials. , 2022, , 341-354.		2
3672	Deep Tillage Improves the Grain Yield and Nitrogen Use Efficiency of Maize (<i>Zea mays</i> L.) Under a Wide-Narrow Row Alternative System in Northeast China. <i>International Journal of Plant Production</i> , 2022, 16, 63-76.	1.0	5
3673	Leaf angle: a target of genetic improvement in cereal crops tailored for high-density planting. <i>Plant Biotechnology Journal</i> , 2022, 20, 426-436.	4.1	37
3674	Multi-Environmental Genetic Analysis of Grain Size Traits Based on Chromosome Segment Substitution Line in Rice (<i>Oryza sativa</i> L.). <i>Phyton</i> , 2022, 91, 943-958.	0.4	1

#	ARTICLE	IF	CITATIONS
3675	Antimicrobials in Livestock Production and Its Cross-Domain Dynamics. , 2022, , 3-21.		1
3676	An Integrated Yield-Based Methodology for Improving Soil Nutrient Management at a Regional Scale. Agronomy, 2022, 12, 298.	1.3	2
3677	Analysis on the Present Situation of China's Agricultural Development and the Sustainable Development of the Agricultural Economy. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 38-64.	0.4	1
3678	Ecosystem Services from Ecological Agroforestry in Brazil: A Systematic Map of Scientific Evidence. Land, 2022, 11, 83.	1.2	10
3679	A modular agricultural robotic system (MARS) for precision farming: Concept and implementation. Journal of Field Robotics, 2022, 39, 387-409.	3.2	10
3680	The Conservation Challenge of Traditional Agroecosystems in Morocco: The Case Study of Six Oases Agroecosystems. Climate Change Management, 2022, , 201-224.	0.6	0
3681	Applications of copper nanoparticles in plant protection and pollution sensing: Toward promoting sustainable agriculture. , 2022, , 393-413.		1
3682	Efficient Irrigation Methods and Optimal Nitrogen Dose to Enhance Wheat Yield, Inputs Efficiency and Economic Benefits in the North China Plain. Agronomy, 2022, 12, 273.	1.3	11
3683	Climate and agronomy, not genetics, underpin recent maize yield gains in favorable environments. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	62
3684	Fruit fly phylogeny imprints bacterial gut microbiota. Evolutionary Applications, 2022, 15, 1621-1638.	1.5	5
3685	The Native Arbuscular Mycorrhizal Fungi and Vermicompost-Based Organic Amendments Enhance Soil Fertility, Growth Performance, and the Drought Stress Tolerance of Quinoa. Plants, 2022, 11, 393.	1.6	52
3687	Approaches and determinants to sustainably improve crop production. Food and Energy Security, 2023, 12, .	2.0	12
3688	Effect of long-term fertilization on greenhouse gas emissions and carbon footprints in northwest China: A field scale investigation using wheat-maize-fallow rotation cycles. Journal of Cleaner Production, 2022, 332, 130075.	4.6	25
3689	Modeling land use and land cover change: using a hindcast to estimate economic parameters in gcamland v2.0. Geoscientific Model Development, 2022, 15, 429-447.	1.3	3
3690	Evaluation of the Saline-alkaline Tolerance of Rice (Oryza sativa L.) Mutants Induced by Heavy-Ion Beam Mutagenesis. Biology, 2022, 11, 126.	1.3	8
3691	Modeling the Contribution of Milk to Global Nutrition. Frontiers in Nutrition, 2021, 8, 716100.	1.6	24
3692	Climate change and future of agri-food production. , 2022, , 49-79.		19
3693	Biofertilizers: An ecofriendly technology for nutrient recycling and environmental sustainability. Current Research in Microbial Sciences, 2022, 3, 100094.	1.4	105

#	ARTICLE	IF	CITATIONS
3694	Exploiting High-Throughput Indoor Phenotyping to Characterize the Founders of a Structured B. napus Breeding Population. <i>Frontiers in Plant Science</i> , 2021, 12, 780250.	1.7	3
3695	An assessment of irrigated rice cultivation with different crop establishment practices in Vietnam. <i>Scientific Reports</i> , 2022, 12, 401.	1.6	8
3697	Increased reliance on insecticide applications in Canada linked to simplified agricultural landscapes. <i>Ecological Applications</i> , 2022, 32, e2533.	1.8	11
3698	Initial social network analysis of producers working towards sustainability suggests weak ties and potential fragmentation. <i>Advancements in Agricultural Development</i> , 2022, 3, 4-18.	0.2	0
3699	Osmotic Adjustment in Wheat (<i>Triticum aestivum</i> L.) During Pre- and Post-anthesis Drought. <i>Frontiers in Plant Science</i> , 2022, 13, 775652.	1.7	8
3700	Photosynthetic traits of Australian wild rice (<i>Oryza australiensis</i>) confer tolerance to extreme daytime temperatures. <i>Plant Molecular Biology</i> , 2022, 110, 347-363.	2.0	7
3701	Windows into the past: lake sediment phosphorus trajectories act as integrated archives of watershed disturbance legacies over centennial scales. <i>Environmental Research Letters</i> , 2022, 17, 034005.	2.2	5
3702	Effect of soil mulching on agricultural greenhouse gas emissions in China: A meta-analysis. <i>PLoS ONE</i> , 2022, 17, e0262120.	1.1	5
3703	A Major Quantitative Trait Loci Cluster Controlling Three Components of Yield and Plant Height Identified on Chromosome 4B of Common Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 799520.	1.7	9
3704	Estimating short-run (SR) and long-run (LR) demand elasticities of phosphate. <i>Mineral Economics</i> , 2023, 36, 239-253.	1.3	6
3705	Changing Food Consumption and Nutrition Intake in Kazakhstan. <i>Nutrients</i> , 2022, 14, 326.	1.7	5
3706	Extinction, climate change and the ecology of <i>Homo sapiens</i> . <i>Journal of Ecology</i> , 2022, 110, 744-750.	1.9	5
3708	Beneficial Microorganisms in Sustainable Agriculture: Harnessing Microbes'™ Potential to Help Feed the World. <i>Plants</i> , 2022, 11, 372.	1.6	11
3709	Harnessing plant microbiome for mitigating arsenic toxicity in sustainable agriculture. <i>Environmental Pollution</i> , 2022, 300, 118940.	3.7	18
3710	Analysis of the threshold effect of agricultural industrial agglomeration and industrial structure upgrading on sustainable agricultural development in China. <i>Journal of Cleaner Production</i> , 2022, 341, 130818.	4.6	66
3711	Modeling the Contribution of Meat to Global Nutrient Availability. <i>Frontiers in Nutrition</i> , 2022, 9, 766796.	1.6	19
3712	Evaluating tomato production in open-field and high-tech greenhouse systems. <i>Journal of Cleaner Production</i> , 2022, 337, 130459.	4.6	29
3713	Recent Patterns in Maize Yield and Harvest Area across Africa. <i>Agronomy</i> , 2022, 12, 374.	1.3	10

#	ARTICLE	IF	CITATIONS
3714	Abundance changes of neophytes and native species indicate a thermophilisation and eutrophisation of the Swiss flora during the 20th century. <i>Ecological Indicators</i> , 2022, 135, 108558.	2.6	10
3715	Competitiveness of Early Vigour Wheat (<i>Triticum aestivum</i> L.) Genotypes Is Established at Early Growth Stages. <i>Agronomy</i> , 2022, 12, 377.	1.3	9
3716	Future agricultures: The promise and pitfalls of a (re)turn to nature. <i>Outlook on Agriculture</i> , 2022, 51, 3-10.	1.8	5
3717	“Food waste-wastewater-energy/resource” nexus: Integrating food waste management with wastewater treatment towards urban sustainability. <i>Water Research</i> , 2022, 211, 118089.	5.3	48
3718	Predicting crop rotations using process mining techniques and Markov principals. <i>Computers and Electronics in Agriculture</i> , 2022, 194, 106686.	3.7	12
3719	The source-sink balance during the grain filling period facilitates rice production under organic fertilizer substitution. <i>European Journal of Agronomy</i> , 2022, 134, 126468.	1.9	17
3720	Assessing the sustainability of ecosystems over fourteen years of cultivation in Longnan City of China based on emergy analysis method. <i>Journal of Environmental Management</i> , 2022, 307, 114513.	3.8	13
3721	Harnessing root-foraging capacity to improve nutrient-use efficiency for sustainable maize production. <i>Field Crops Research</i> , 2022, 279, 108462.	2.3	15
3722	Interactive effects of plant density and nitrogen rate on grain yield, economic benefit, water productivity and nitrogen use efficiency of drip-fertigated maize in northwest China. <i>Agricultural Water Management</i> , 2022, 263, 107453.	2.4	16
3723	A fuzzy knowledge-based model for assessing risk of pesticides into the air in cropping systems. <i>Science of the Total Environment</i> , 2022, 820, 153158.	3.9	4
3724	The role of single cell protein in cellular agriculture. <i>Current Opinion in Biotechnology</i> , 2022, 75, 102686.	3.3	47
3726	Proteomics Analysis of Soybean Seedlings under Short-Term Water Deficit. <i>Phyton</i> , 2022, 91, 1-21.	0.4	0
3727	Mineral biofortification of vegetables through soil-applied poultry mortality compost. <i>PLoS ONE</i> , 2022, 17, e0262812.	1.1	2
3729	A Review of Crop Husbandry and Soil Management Practices Using Meta-Analysis Studies: Towards Soil-Improving Cropping Systems. <i>Land</i> , 2022, 11, 255.	1.2	9
3730	Grain Yield, Nitrogen Use Efficiency and Antioxidant Enzymes of Rice under Different Fertilizer N Inputs and Planting Density. <i>Agronomy</i> , 2022, 12, 430.	1.3	9
3731	Recent biotechnological avenues in crop improvement and stress management. <i>Journal of Biotechnology</i> , 2022, 349, 21-24.	1.9	1
3732	Haplotype mapping uncovers unexplored variation in wild and domesticated soybean at the major protein locus cqProt-003. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1443-1455.	1.8	13
3733	Suppression of rice seedling rot caused by <i>Burkholderia glumae</i> in nursery soils using culturable bacterial communities from organic farming systems. <i>Journal of Plant Pathology</i> , 2022, 104, 605-618.	0.6	3

#	ARTICLE	IF	CITATIONS
3734	The costs and benefits of primary prevention of zoonotic pandemics. <i>Science Advances</i> , 2022, 8, eabl4183.	4.7	99
3735	MICROCONTROLLER-BASED VERTICAL FARMING AUTOMATION SYSTEM. <i>Journal of Manufacturing Engineering</i> , 2022, 16, 135-140.	0.0	0
3736	Role of Organic and Conservation Agriculture in Ammonia Emissions and Crop Productivity in China. <i>Environmental Science & Technology</i> , 2022, 56, 2977-2989.	4.6	23
3737	Adapting to climate change precisely through cultivars renewal for rice production across China: When, where, and what cultivars will be required?. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108856.	1.9	19
3738	Will fungi solve the carbon dilemma?. <i>Geoderma</i> , 2022, 413, 115767.	2.3	28
3739	Tipping point dynamics in global land use. <i>Environmental Research Letters</i> , 2021, 16, 125012.	2.2	23
3741	Recognition competes with hydration in anion-triggered monolayer formation of cyanostar supra-amphiphiles at aqueous interfaces. <i>Chemical Science</i> , 2022, 13, 4283-4294.	3.7	7
3743	Combine Harvester: Small Machine Solves Big Rice Harvesting Problem of Bangladesh. <i>Agricultural Sciences</i> , 2022, 13, 201-220.	0.2	3
3744	A System Dynamics Perspective of Food Systems, Environmental Change and Global Catastrophic Risks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3747	Environmental and Energy Efficiency as a Criterion for Sustainable Agriculture. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2022, , 55-64.	0.7	0
3750	Orphan Crops: A Best Fit for Dietary Enrichment and Diversification in Highly Deteriorated Marginal Environments. <i>Frontiers in Plant Science</i> , 2022, 13, 839704.	1.7	26
3751	Organic and Inorganic Amendments Shape Bacterial Indicator Communities That Can, In Turn, Promote Rice Yield. <i>Microorganisms</i> , 2022, 10, 482.	1.6	7
3752	Emerging Issues and Potential Opportunities in the Rice-Wheat Cropping System of North-Western India. <i>Frontiers in Plant Science</i> , 2022, 13, 832683.	1.7	17
3753	Biofertilization containing <i>Paenibacillus triticisoli</i> alters the composition and interaction of the protistan community in the wheat rhizosphere under field conditions. <i>Journal of Applied Microbiology</i> , 2022, , .	1.4	0
3754	The State of US Farm Operator Livelihoods. <i>Frontiers in Sustainable Food Systems</i> , 2022, 5, .	1.8	11
3755	Thermodynamic Constraints on Electromicrobial Protein Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 820384.	2.0	11
3756	Grain Quality Affected by Introducing Photorespiratory Bypasses into Rice. <i>Agronomy</i> , 2022, 12, 566.	1.3	6
3757	The Role of FAIR Data towards Sustainable Agricultural Performance: A Systematic Literature Review. <i>Agriculture (Switzerland)</i> , 2022, 12, 309.	1.4	19

#	ARTICLE	IF	CITATIONS
3758	Production of evaporation suppression floating covers using ultra-lightweight alkali-activated slag concrete. <i>Magazine of Concrete Research</i> , 2022, 74, 919-930.	0.9	2
3759	Advantage of Species Diversification to Facilitate Sustainable Development of Aquaculture Sector. <i>Biology</i> , 2022, 11, 368.	1.3	8
3760	Evaluating the Capability of Satellite Hyperspectral Imager, the ZY1â€œ02D, for Topsoil Nitrogen Content Estimation and Mapping of Farmlands in Black Soil Area, China. <i>Remote Sensing</i> , 2022, 14, 1008.	1.8	6
3761	Trends and status in resources security, ecological stability, and sustainable development research: a systematic analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50192-50207.	2.7	11
3762	Power law scaling and country-level centralization of global agricultural production and trade. <i>Environmental Research Letters</i> , 2022, 17, 034022.	2.2	9
3763	Global cropland could be almost halved: Assessment of land saving potentials under different strategies and implications for agricultural markets. <i>PLoS ONE</i> , 2022, 17, e0263063.	1.1	10
3764	Impact of Single and Combined Salinity and High-Temperature Stresses on Agro-Physiological, Biochemical, and Transcriptional Responses in Rice and Stress-Release. <i>Plants</i> , 2022, 11, 501.	1.6	20
3765	Principles of Nanoparticle Design for Genome Editing in Plants. <i>Frontiers in Genome Editing</i> , 2022, 4, 846624.	2.7	7
3766	Development of a versatile resource for post-genomic research through consolidating and characterizing 1500 diverse wild and cultivated soybean genomes. <i>BMC Genomics</i> , 2022, 23, 250.	1.2	11
3767	Field screening of diverse wheat germplasm for determining their adaptability to semi-arid climatic conditions. <i>PLoS ONE</i> , 2022, 17, e0265344.	1.1	6
3768	Nanoparticles as potential hallmarks of drought stress tolerance in plants. <i>Physiologia Plantarum</i> , 2022, 174, e13665.	2.6	40
3769	Nitrogen, Phosphorus and Land Use Efficiency in Finger millet and Common Bean Cropping Systems. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1196-1215.	0.6	0
3770	Rapid change in soil properties after converting grasslands to crop production. <i>Agronomy Journal</i> , 2022, 114, 1642-1654.	0.9	6
3771	Why winâ€œwins are rare in complex environmental management. <i>Nature Sustainability</i> , 2022, 5, 674-680.	11.5	15
3772	Exact Bayesian inference of epidemiological parameters from mortality data: application to African swine fever virus. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220013.	1.5	1
3773	Role of <i>Kappaphycus alvarezii</i> seaweed extract and its active constituents, glycine betaine, choline chloride, and zeatin in the alleviation of drought stress at critical growth stages of maize crop. <i>Journal of Applied Phycology</i> , 2022, 34, 1791-1804.	1.5	14
3774	Precision Oliviculture: Research Topics, Challenges, and Opportunitiesâ€œA Review. <i>Remote Sensing</i> , 2022, 14, 1668.	1.8	15
3775	Ranking the direct threats to biodiversity in sub-Saharan Africa. <i>Biodiversity and Conservation</i> , 2022, 31, 1329-1343.	1.2	4

#	ARTICLE	IF	CITATIONS
3776	Relocating croplands could drastically reduce the environmental impacts of global food production. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	39
3777	A Review of the Effects of Climate Extremes on Agriculture Production. , 2022, , 198-219.		0
3779	A bibliometric analysis of sustainable agriculture: based on the Web of Science (WOS) platform. <i>Environmental Science and Pollution Research</i> , 2022, 29, 38928-38949.	2.7	18
3780	Developing machine learning models with multi-source environmental data to predict wheat yield in China. <i>Computers and Electronics in Agriculture</i> , 2022, 194, 106790.	3.7	26
3781	Why Urban Ecology Matters in Ethiopia. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	5
3782	WHIRLY protein functions in plants. <i>Food and Energy Security</i> , 2023, 12, .	2.0	6
3783	Organic agriculture and field edges uphold endospheric wheat microbiota at field and landscape scale. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	6
3784	Water-Food-Carbon Nexus Related to the Producerâ€œConsumer Link: A Review. <i>Advances in Nutrition</i> , 2022, 13, 938-952.	2.9	6
3786	Global Warming and Toxicity Impacts: Peanuts in Georgia, USA Using Life Cycle Assessment. <i>Sustainability</i> , 2022, 14, 3671.	1.6	4
3787	Evaluating the impact of the environment on depleting groundwater resources: a case study from a semi-arid and arid climatic region. <i>Hydrological Sciences Journal</i> , 2022, 67, 791-805.	1.2	2
3788	Carbon sequestration potential, challenges, and strategies towards climate action in smallholder agricultural systems of South Asia. , 2022, 1, 86-101.		18
3789	Physiology and metabonomics reveal differences in drought resistance among soybean varieties. , 2022, 63, 8.		19
3791	Novel wheat varieties facilitate deep sowing to beat the heat of changing climates. <i>Nature Climate Change</i> , 2022, 12, 291-296.	8.1	27
3792	Advancing Food System Transformation and Addressing Conflicts Through Transdisciplinary Methodologies: Strengths and Limitations of the Community Voice Method, T-Labs, Film-Making and the Miracle Question. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	3
3793	Preliminary Studies on Suppression of Important Plant Pathogens by Using Pomegranate and Avocado Residual Peel and Seed Extracts. <i>Horticulturae</i> , 2022, 8, 283.	1.2	2
3794	Long-term moderate carbon input benefited arbuscular mycorrhizal fungal community diversity and vitality in a sandy loam soil. <i>Ecological Indicators</i> , 2022, 136, 108679.	2.6	4
3795	Life cycle assessment of liquid digestate application strategies for rice agri-food chain in â€œZero-waste Cityâ€œ. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4389-4401.	2.9	4
3796	The Evolution of Food Security: Where Are We Now, Where Should We Go Next?. <i>Sustainability</i> , 2022, 14, 3634.	1.6	29

#	ARTICLE	IF	CITATIONS
3797	Improved Water Savings and Reduction in Moist Heat Stress Caused by Efficient Irrigation. <i>Earth's Future</i> , 2022, 10, .	2.4	8
3798	Wearable Crop Sensor Based on Nano-Graphene Oxide for Noninvasive Real-Time Monitoring of Plant Water. <i>Membranes</i> , 2022, 12, 358.	1.4	10
3799	A polygalacturonase gene PG031 regulates seed coat permeability with a pleiotropic effect on seed weight in soybean. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1603-1618.	1.8	9
3800	How can urea-N one-time management achieve high yield and high NUE for rainfed and irrigated maize?. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 122, 241-254.	1.1	2
3801	Assessment of BMPs by Estimating Hydrologic and Water Quality Outputs Using SWAT in Yazoo River Watershed. <i>Agriculture (Switzerland)</i> , 2022, 12, 477.	1.4	15
3802	An overview of microalgae biomass as a sustainable aquaculture feed ingredient: food security and circular economy. <i>Bioengineered</i> , 2022, 13, 9521-9547.	1.4	42
3803	Improving the Forecasting of Winter Wheat Yields in Northern China with Machine Learningâ€“Dynamical Hybrid Subseasonal-to-Seasonal Ensemble Prediction. <i>Remote Sensing</i> , 2022, 14, 1707.	1.8	15
3804	Effects of climate change on paddy expansion and potential adaption strategies for sustainable agriculture development across Northeast China. <i>Applied Geography</i> , 2022, 141, 102667.	1.7	29
3805	Satellite-Based Evidences to Improve Cropland Productivity on the High-Standard Farmland Project Regions in Henan Province, China. <i>Remote Sensing</i> , 2022, 14, 1724.	1.8	8
3806	An Overview of Sustainability Assessment Frameworks in Agriculture. <i>Land</i> , 2022, 11, 537.	1.2	14
3807	The Significance of Pollination for Global Food Production and the Guarantee of Nutritional Security: A Literature Review. , 2022, 15, .		1
3809	Multi-Season Phenology Mapping of Nile Delta Croplands Using Time Series of Sentinel-2 and Landsat 8 Green LAI. <i>Remote Sensing</i> , 2022, 14, 1812.	1.8	8
3810	A multi-product landscape life-cycle assessment approach for evaluating local climate mitigation potential. <i>Journal of Cleaner Production</i> , 2022, 354, 131691.	4.6	7
3811	Assessing benefits of land use intensification on extensive grain cropping systems of the Pampas. <i>European Journal of Agronomy</i> , 2022, 135, 126484.	1.9	4
3812	An Integrated Nitrogen Management Strategy Promotes Open-Field Pepper Yield, Crop Nitrogen Uptake, and Nitrogen Use Efficiency in Southwest China. <i>Agriculture (Switzerland)</i> , 2022, 12, 524.	1.4	6
3813	A Macroeconomic Approach to Global Land Use Policy. <i>Resources and Energy Economics</i> , 2022, , 101302.	1.1	0
3814	Global adaptation readiness and income mitigate sectoral climate change vulnerabilities. <i>Humanities and Social Sciences Communications</i> , 2022, 9, .	1.3	11
3815	Spatio-temporal analysis of dynamics and future scenarios of anthropic pressure on biomes in Brazil. <i>Ecological Indicators</i> , 2022, 137, 108749.	2.6	5

#	ARTICLE	IF	CITATIONS
3816	Modeling the impacts of various managerial scenarios on groundwater level raising in a coastal aquifer. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	0
3817	Smart Glass Film Reduced Ascorbic Acid in Red and Orange Capsicum Fruit Cultivars without Impacting Shelf Life. <i>Plants</i> , 2022, 11, 985.	1.6	8
3818	Bacterial Lipodepsipeptides and Some of Their Derivatives and Cyclic Dipeptides as Potential Agents for Biocontrol of Pathogenic Bacteria and Fungi of Agrarian Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2022, , .	2.4	9
3819	The causes and consequences of pest population variability in agricultural landscapes. <i>Ecological Applications</i> , 2022, 32, e2607.	1.8	8
3820	Behavioral intentions of rural farmers to recycle human excreta in agriculture. <i>Scientific Reports</i> , 2022, 12, 5890.	1.6	14
3822	Climate and genetic data enhancement using deep learning analytics to improve maize yield predictability. <i>Journal of Experimental Botany</i> , 2022, 73, 5336-5354.	2.4	5
3823	Wheat grain proteomic and proteinâ€“metabolite interactions analyses provide insights into plant growth promoting bacteriaâ€“arbuscular mycorrhizal fungiâ€“wheat interactions. <i>Plant Cell Reports</i> , 2022, 41, 1417-1437.	2.8	9
3824	Revisiting yield gaps and the scope for sustainable intensification for irrigated lowland rice in Southeast Asia. <i>Agricultural Systems</i> , 2022, 198, 103383.	3.2	11
3825	Climate, Environment and Socio-Economic Drivers of Global Agricultural Productivity Growth. <i>Land</i> , 2022, 11, 512.	1.2	9
3826	Introgression of chromosome 1P from <i>Agropyron cristatum</i> reduces leaf size and plant height to improve the plant architecture of common wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1951-1963.	1.8	11
3827	Maize genetic progress in the central Pampas of Argentina: effects of contrasting sowing dates. <i>Field Crops Research</i> , 2022, 281, 108492.	2.3	7
3828	Root characteristics and yield of rice as affected by the cultivation pattern of strong seedlings with increased planting density and reduced nitrogen application. <i>Journal of Integrative Agriculture</i> , 2022, 21, 1278-1289.	1.7	9
3829	Climate change impacts on crop water productivity and net groundwater use under a double-cropping system with intensive irrigation in the Haihe River Basin, China. <i>Agricultural Water Management</i> , 2022, 266, 107560.	2.4	19
3830	Landscapes, management practices and their interactions shape soil fungal diversity in arable fields â€“ Evidence from a nationwide farmers' network. <i>Soil Biology and Biochemistry</i> , 2022, 168, 108652.	4.2	7
3831	Assessing aging impact on growth potential of Vitamin E primed soybean seeds via biochemical profiling. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3717-3726.	1.8	2
3832	Identifying opportunities to close yield gaps in China by use of certificated cultivars to estimate potential productivity. <i>Land Use Policy</i> , 2022, 117, 106080.	2.5	8
3833	Sustainable optimization of global aquatic omega-3 supply chain could substantially narrow the nutrient gap. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106260.	5.3	11
3834	Sorghum: A prospective crop for climatic vulnerability, food and nutritional security. <i>Journal of Agriculture and Food Research</i> , 2022, 8, 100300.	1.2	29

#	ARTICLE	IF	CITATIONS
3835	Significant differences in agro-hydrological processes and water productivity between canal- and well-irrigated areas in an arid region. <i>Agricultural Water Management</i> , 2022, 267, 107637.	2.4	7
3836	Nutrients in the rhizosphere: A meta-analysis of content, availability, and influencing factors. <i>Science of the Total Environment</i> , 2022, 826, 153908.	3.9	60
3837	Overgrazing, not haying, decreases grassland topsoil organic carbon by decreasing plant species richness along an aridity gradient in Northern China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 332, 107935.	2.5	14
3838	Intercropping of insect-pollinated crops supports a characteristic pollinator assemblage. <i>Agriculture, Ecosystems and Environment</i> , 2022, 332, 107930.	2.5	6
3839	Understanding impacts of cropland pattern dynamics on grain production in China: An integrated analysis by fusing statistical data and satellite-observed data. <i>Journal of Environmental Management</i> , 2022, 313, 114988.	3.8	31
3840	Occurrence of crop pests and diseases has largely increased in China since 1970. <i>Nature Food</i> , 2022, 3, 57-65.	6.2	39
3841	Reducing disease and producing food: Effects of 13 agrochemicals on snail biomass and human schistosomes. <i>Journal of Applied Ecology</i> , 2022, 59, 729-741.	1.9	5
3842	Carbon flux through photosynthesis and central carbon metabolism show distinct patterns between algae, C3 and C4 plants. <i>Nature Plants</i> , 2022, 8, 78-91.	4.7	49
3843	LATE SOWING AND NITROGEN APPLICATION TO OPTIMIZE CANOPY STRUCTURE AND GRAIN YIELD OF BREAD WHEAT IN A FLUCTUATING CLIMATE. <i>Turkish Journal of Field Crops</i> , 2021, 26, 170-179.	0.2	5
3844	The Analysis of Wheat Yield Variability Based on Experimental Data from 2008â€“2018 to Understand the Yield Gap. <i>Agriculture (Switzerland)</i> , 2022, 12, 32.	1.4	5
3845	TÃ¼rk Bakla Genetik KaynaklarÄ±nÄ±n Tohum Mineral Ä°Serisi iÅin Fenotipik Ä±tilliliÅin AraÅtırÄ±lmasÄ±. <i>Uluslararası TarÄ±m Ve Yaban HayatÄ± Bilimleri Dergisi</i> , 2021, 7, 540-550.	0.1	2
3846	Fuelling the future of sustainable sugar fermentation across generations. <i>Engineering Biology</i> , 2022, 6, 3-16.	0.8	2
3847	Decoupling and Decomposition Analysis of Agricultural Carbon Emissions: Evidence from Heilongjiang Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 198.	1.2	12
3848	Differential responses of amphibians and reptiles to landâ€“use change in the biodiversity hotspot of northâ€“eastern Madagascar. <i>Animal Conservation</i> , 2022, 25, 492-507.	1.5	7
3849	Why can China maintain a high crop diversity? A spatial-temporal dynamic analysis. <i>Progress in Physical Geography</i> , 2022, 46, 217-231.	1.4	3
3850	Global maps of cropland extent and change show accelerated cropland expansion in the twenty-first century. <i>Nature Food</i> , 2022, 3, 19-28.	6.2	238
3851	Environmental regulation and location dynamics of the livestock industry: evidence from 279 Chinese prefecture-level cities. <i>China Agricultural Economic Review</i> , 2022, 14, 367-394.	1.8	2
3853	Photosynthesis, yield, energy balance, and waterâ€“use of intercropped maize and soybean. <i>Plant Direct</i> , 2021, 5, e365.	0.8	3

#	ARTICLE	IF	CITATIONS
3854	Performance of Urochloa and Megathyrsus Forage Grasses in Smallholder Farms in Western Kenya. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	0
3855	Crop yields and soil organic matter pools in zero-till direct-seeded rice-based cropping systems as influenced by fertigation levels in the Indo-Gangetic plains in India. <i>Carbon Management</i> , 2022, 13, 78-89.	1.2	8
3856	RECYCLING BIOSOLIDS TO IMPROVE MARGINAL LANDS FOR BIOENERGY FEEDSTOCK PRODUCTION IN UKRAINE. , 2021, , 79-86.	0.3	0
3858	Microalgae as Sources of High-Quality Protein for Human Food and Protein Supplements. <i>Foods</i> , 2021, 10, 3002.	1.9	97
3859	Physiological and Molecular Investigation of Urea Uptake Dynamics in <i>Cucumis sativus</i> L. Plants Fertilized With Urea-Doped Amorphous Calcium Phosphate Nanoparticles. <i>Frontiers in Plant Science</i> , 2021, 12, 745581.	1.7	4
3860	Genetic resources for enhancing drought tolerance from a mini-core collection of spring bread wheat (<i>Triticum aestivum</i> L.). <i>Acta Scientiarum - Agronomy</i> , 0, 44, e56129.	0.6	3
3861	Challenges in Assessing the Level of Plant-Based Food Self-Sufficiency Using Publicly Available Data in the Regional Context of Slovenia. <i>European Countryside</i> , 2022, 14, 104-120.	0.5	2
3862	Heavy Metal Pollution and Its Prior Pollution Source Identification in Agricultural Soil: A Case Study in the Qianguo Irrigation District, Northeast China. <i>Sustainability</i> , 2022, 14, 4494.	1.6	6
3863	Prospects and potentials of underutilized leafy Amaranths as vegetable use for health-promotion. <i>Plant Physiology and Biochemistry</i> , 2022, 182, 104-123.	2.8	38
3864	Increasing Fruit Weight by Editing a Cis-Regulatory Element in Tomato KLUH Promoter Using CRISPR/Cas9. <i>Frontiers in Plant Science</i> , 2022, 13, 879642.	1.7	13
3865	Natural and anthropogenic factors and their interactions drive stream community integrity in a North American river basin at a large spatial scale. <i>Science of the Total Environment</i> , 2022, 835, 155344.	3.9	7
3866	Projecting future nitrogen inputs: are we making the right assumptions?. <i>Environmental Research Letters</i> , 2022, 17, 054035.	2.2	9
3867	Impact of Different Methods of Root-Zone Application of Biochar-Based Fertilizers on Young Cocoa Plants: Insights from a Pot-Trial. <i>Horticulturae</i> , 2022, 8, 328.	1.2	2
3868	Frequent Spindle Assembly Errors Require Structural Rearrangement to Complete Meiosis in <i>Zea mays</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 4293.	1.8	1
3869	CCTNet: Coupled CNN and Transformer Network for Crop Segmentation of Remote Sensing Images. <i>Remote Sensing</i> , 2022, 14, 1956.	1.8	48
3871	Significant Global Yield-Gap Closing Is Possible Without Increasing the Intensity of Environmentally Harmful Nitrogen Losses. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	3
3872	The Policy Implications of the Dasgupta Review: Land Use Change and Biodiversity. <i>Environmental and Resource Economics</i> , 2022, 83, 911-935.	1.5	9
3873	Improving nitrogen use efficiency in irrigated cotton production. <i>Nutrient Cycling in Agroecosystems</i> , 2023, 125, 95-106.	1.1	10

#	ARTICLE	IF	CITATIONS
3874	Compounding precipitation effect in modulating maize yield response to global warming. <i>International Journal of Climatology</i> , 0, , .	1.5	1
3875	Reduced Chemical Fertilizer Combined With Bio-Organic Fertilizer Affects the Soil Microbial Community and Yield and Quality of Lettuce. <i>Frontiers in Microbiology</i> , 2022, 13, 863325.	1.5	28
3876	CRISPR-Based Genome Editing: Advancements and Opportunities for Rice Improvement. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4454.	1.8	14
3877	Evaluation of sustainable intensification of cultivated land use according to farming households'™ livelihood types. <i>Ecological Indicators</i> , 2022, 138, 108848.	2.6	31
3878	Averting wildlife-borne infectious disease epidemics requires a focus on socio-ecological drivers and a redesign of the global food system. <i>EClinicalMedicine</i> , 2022, 47, 101386.	3.2	22
3879	Quantifying the accuracies of six 30-m cropland datasets over China: A comparison and evaluation analysis. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106946.	3.7	24
3880	A comprehensive perspective for exploring the trade-offs and synergies between carbon sequestration and grain supply in China based on the production possibility frontier. <i>Journal of Cleaner Production</i> , 2022, 354, 131725.	4.6	2
3881	Biomass yield, yield stability and soil carbon and nitrogen content under cropping systems destined for biorefineries. <i>Soil and Tillage Research</i> , 2022, 221, 105397.	2.6	24
3882	Future Maize Hybrid Development. , 0, , 280-293.		0
3948	Rhythmic Leaf and Cotyledon Movement Analysis. <i>Methods in Molecular Biology</i> , 2022, 2494, 125-134.	0.4	0
3949	Zinc oxide nanoparticles and polyethylene microplastics affect the growth, physiological and biochemical attributes, and Zn accumulation of rice seedlings. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61534-61546.	2.7	9
3950	Silica nanoparticles protect rice against biotic and abiotic stresses. <i>Journal of Nanobiotechnology</i> , 2022, 20, 197.	4.2	31
3955	Barley Breeding. , 2022, , 259-308.		4
3956	Hybrid Machine Learning Approach for Evapotranspiration Estimation of Fruit Tree in Agricultural Cyber-Physical Systems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 5677-5691.	6.2	4
3957	Food and water security and safety for an ever-expanding human population. , 2022, , 155-204.		3
3958	Identifying Drivers for Maize Response to Fertilizer in Ghana. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3960	CRISPR/Cas-Mediated Genome Editing Technologies in Plants for Stress Resilience. , 2022, , 285-303.		5
3961	A simple and inexpensive procedure to more quickly obtain new varieties in soybean. <i>Crop Breeding and Applied Biotechnology</i> , 2022, 22, .	0.1	0

#	ARTICLE	IF	CITATIONS
3962	Grain Yield and Nitrogen Use Efficiency Vary with Cereal Crop Type and Nitrogen Fertilizer Rate in Ethiopia: A Meta-Analysis. <i>Agricultural Sciences</i> , 2022, 13, 612-631.	0.2	3
3963	A Facile Liquid Alloy Wetting Enhancing Strategy on Superhydrophobic Lotus Leaves for Plant-Hybrid System Implementation. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	6
3964	IOT Automation with Segmentation Techniques for Detection of Plant Seedlings in Agriculture. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-10.	0.8	0
3965	Annual and perennial crop composition impacts on soil carbon and nitrogen dynamics at two different depths. <i>Renewable Agriculture and Food Systems</i> , 2022, 37, 437-444.	0.8	6
3966	Identify Lao farmers' goals and their ranking using <scp>best</scp> "worst</scp> scaling experiment and scale-adjusted latent class models. <i>Journal of Multi-Criteria Decision Analysis</i> , 2022, 29, 402-415.	1.0	0
3967	Nitrogen Use Efficiency in Wheat: Genome to Field. , 0, , .		1
3968	Root matters: Lying seeds flat with the crease down improves grain yield in winter wheat under drought stress. <i>Plant and Soil</i> , 0, , 1.	1.8	1
3969	Development of ANN and ANFIS Classifier for Betel Leaf Pathogen Detection. <i>Journal of the Institution of Engineers (India): Series B</i> , 2022, 103, 1555-1562.	1.3	2
3970	Effects of Increasing Salinity by Drip Irrigation on Total Grain Weight Show High Yield Potential of Putative Salt-Tolerant Mutagenized Wheat Lines. <i>Sustainability</i> , 2022, 14, 5061.	1.6	2
3971	The Response to Inoculation with PGPR Plus Orange Peel Amendment on Soybean Is Cultivar and Environment Dependent. <i>Plants</i> , 2022, 11, 1138.	1.6	10
3972	Nutrient Inputs for Rehabilitation of Non-responsive Soils in the Guinea and Sudan Savannah Agroecological Zones of Ghana: Impact on Grain Yield and Soil Quality. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	0
3973	Residual Effects of 50-Year-Term Different Rotations and Continued Bare Fallow on Soil CO2 Emission, Earthworms, and Fertility for Wheat Crops. <i>Plants</i> , 2022, 11, 1279.	1.6	3
3974	Crop harvests for direct food use insufficient to meet the UN's food security goal. <i>Nature Food</i> , 2022, 3, 367-374.	6.2	31
3975	Shifting cultivation geographies in the Central and Eastern US. <i>Environmental Research Letters</i> , 2022, 17, 054049.	2.2	9
3976	Agricultural trade and its impacts on cropland use and the global loss of species habitat. <i>Sustainability Science</i> , 2022, 17, 2363-2377.	2.5	9
3977	Constrained Sustainability and Resilience of Agricultural Practices from Multiple Lock-In Factors and Possible Pathways to Tackle Them. , 2022, , 88-111.		0
3978	Shift in beneficial interactions during crop evolution. <i>Evolutionary Applications</i> , 2022, 15, 905-918.	1.5	10
3979	Glycine max Homologs of DOESN'T MAKE INFECTIONS 1, 2, and 3 Function to Impair Heterodera glycines Parasitism While Also Regulating Mitogen Activated Protein Kinase Expression. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	0

#	ARTICLE	IF	CITATIONS
3980	Genome-Wide Association Analysis Reveals Genetic Architecture and Candidate Genes Associated with Grain Yield and Other Traits under Low Soil Nitrogen in Early-Maturing White Quality Protein Maize Inbred Lines. <i>Genes</i> , 2022, 13, 826.	1.0	3
3981	Cropping systems intensification and diversification: risk, vulnerability and adaptation in southwest coastal Bangladesh. <i>International Journal of Sustainable Development and World Ecology</i> , 2022, 29, 677-694.	3.2	4
3982	Land-use emissions embodied in international trade. <i>Science</i> , 2022, 376, 597-603.	6.0	61
3983	Coupling optimization of irrigation and fertilizer for synergic development of economy-resource-environment: A generalized inexact quadratic multi-objective programming. <i>Journal of Cleaner Production</i> , 2022, 361, 132115.	4.6	5
3984	Beyond the snapshot: identification of the timeless, enduring indicator microbiome informing soil fertility and crop production in alkaline soils. <i>Environmental Microbiomes</i> , 2022, 17, 25.	2.2	3
3986	Dissection of the Genetic Basis of Yield Traits in Line per se and Testcross Populations and Identification of Candidate Genes for Hybrid Performance in Maize. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5074.	1.8	4
3987	Biodiversity and yield trade-offs for organic farming. <i>Ecology Letters</i> , 2022, 25, 1699-1710.	3.0	25
3988	Genome Editing for Sustainable Agriculture in Africa. <i>Frontiers in Genome Editing</i> , 2022, 4, .	2.7	24
3989	Comparative Transcriptional Analysis of Two Contrasting Rice Genotypes in Response to Salt Stress. <i>Agronomy</i> , 2022, 12, 1163.	1.3	2
3990	Climate change-induced reduction in agricultural land suitability of West-Africa's inland valley landscapes. <i>Agricultural Systems</i> , 2022, 200, 103429.	3.2	9
3991	The characterization of wheat genotypes for salinity tolerance using morpho-physiological indices under hydroponic conditions. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103299.	1.8	17
3992	Annual productivity of cropping sequences: Responses to increased intensification levels. <i>European Journal of Agronomy</i> , 2022, 137, 126506.	1.9	6
3993	Advances in the estimations and applications of critical nitrogen dilution curve and nitrogen nutrition index of major cereal crops. A review. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106998.	3.7	20
3994	Phenotypic plasticity and nutritional quality of three kale cultivars (<i>Brassica oleracea</i> L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj S Experimental Botany, 2022, 199, 104895.	2.0	8
3995	Analysis of climate change impact on resource intensity and carbon emissions in protected farming systems using Water-Energy-Food-Carbon Nexus. <i>Resources, Conservation and Recycling</i> , 2022, 184, 106394.	5.3	16
3996	Evaluating area-specific adaptation strategies for rainfed maize under future climates of India. <i>Science of the Total Environment</i> , 2022, 836, 155511.	3.9	8
3997	Long-term land-use change from cropland to kiwifruit orchard increases nitrogen load to the environment: A substance flow analysis. <i>Agriculture, Ecosystems and Environment</i> , 2022, 335, 108013.	2.5	4
3998	AGRI-ENVIRONMENTAL PRACTICES FOR LAND USE AS A PREREQUISITE FOR BUILDING A SUSTAINABLE AGRI-FOOD SYSTEM. <i>Trakia Journal of Sciences</i> , 2021, 19, 207-215.	0.0	1

#	ARTICLE	IF	CITATIONS
3999	Long-Term Green Manure Fertilization Maintains Agricultural Sustainability by Regulating Soil Microbial Community and Improving Soil Properties. SSRN Electronic Journal, 0, , .	0.4	1
4000	Bioactivity of <i>Deverra tortuosa</i> essential oil, its nanoemulsion, and phenylpropanoids against the cowpea weevil, a stored grain pest with eco-toxicological evaluations. Environmental Science and Pollution Research, 2022, , 1.	2.7	6
4001	Using of Molecular Markers in Prediction of Wheat (<i>Triticum aestivum</i> L.) Hybrid Grain Yield Based on Artificial Intelligence Methods and Multivariate Statistics. Russian Journal of Genetics, 2022, 58, 603-611.	0.2	7
4002	Field-grown <i>Nicotiana glauca</i> tobacco transformants show no difference in photosynthetic efficiency for biomass relative to the wild type. Journal of Experimental Botany, 2022, 73, 4897-4907.	2.4	5
4003	Analysis of the genes controlling cotton fiber length reveals the molecular basis of plant breeding and the genetic potential of current cultivars for continued improvement. Plant Science, 2022, 321, 111318.	1.7	4
4004	æ,—å...¥æ;ä°ä,žå°é° æ;çšå¼~åšž. Chinese Science Bulletin, 2022, , .	0.4	1
4005	Effects of Plant Growth Promoting Rhizobacteria (PGPR) Strain <i>Bacillus licheniformis</i> with Biochar Amendment on Potato Growth and Water Use Efficiency under Reduced Irrigation Regime. Agronomy, 2022, 12, 1031.	1.3	16
4006	Facile coating of micronutrient zinc for slow release urea and its agronomic effects on field grown wheat (<i>Triticum aestivum</i> L.). Science of the Total Environment, 2022, 838, 155965.	3.9	14
4007	Potential Use of Microbial Community Genomes in Various Dimensions of Agriculture Productivity and Its Management: A Review. Frontiers in Microbiology, 2022, 13, .	1.5	12
4008	Identification of shoot and root genomic regions in response to nitrogen deficiency tolerance in rice through the use of rice back cross recombinant inbred lines (BRILs). Journal of Plant Biochemistry and Biotechnology, 0, , .	0.9	0
4009	Accelerated Domestication of New Crops: Yield is Key. Plant and Cell Physiology, 2022, 63, 1624-1640.	1.5	16
4010	Phase-change-mediated transport and agglomeration of fungal spores on wheat awns. Journal of the Royal Society Interface, 2022, 19, 20210872.	1.5	3
4011	Role of microbial biotechnology for strain improvement for agricultural sustainability. , 2022, , 285-317.		3
4012	Sustainable Supply Chain Management and Life Below Water. Encyclopedia of the UN Sustainable Development Goals, 2022, , 988-1004.	0.0	0
4014	Agricultural systems. , 2022, , 375-402.		0
4015	Sustainability Assessment of Family Agricultural Properties: The Importance of Homeopathy. Sustainability, 2022, 14, 6334.	1.6	1
4016	Multi-faceted approaches for breeding nutrient-dense, disease-resistant, and climate-resilient crop varieties for food and nutritional security. Heredity, 2022, 128, 387-390.	1.2	5
4017	Simulation modeling for effective management of irrigation water for winter wheat. Agricultural Water Management, 2022, 269, 107720.	2.4	6

#	ARTICLE	IF	CITATIONS
4018	Functional transition of cultivated ecosystems: Underlying mechanisms and policy implications in China. <i>Land Use Policy</i> , 2022, 119, 106195.	2.5	12
4019	Plastic film mulch combined with adding biochar improved soil carbon budget, carbon footprint, and maize yield in a rainfed region. <i>Field Crops Research</i> , 2022, 284, 108574.	2.3	20
4020	Toward the economic-environmental sustainability of smallholder farming systems through judicious management strategies and optimized planting structures. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112619.	8.2	10
4021	A Methodological Framework for Assessing Environmental Impact of Grain Losses Along the Supply Chain. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4022	A New Multi-Dimensional Framework to Assess Green Development Level of Cultivated Land Considering Environmental Impacts During 1990 to 2018 in China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4023	Expanding the gene pool for soybean improvement with its wild relatives. <i>ABIOTECH</i> , 2022, 3, 115-125.	1.8	9
4024	A CRISPR/Cas9-Based System with Controllable Auto-Excision Feature Serving Cisgenic Plant Breeding and Beyond. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5597.	1.8	2
4025	Genetic Improvement of Wheat for Drought Tolerance: Progress, Challenges and Opportunities. <i>Plants</i> , 2022, 11, 1331.	1.6	34
4027	Comparative Analyses of Antibiotic Resistance Genes in Jejunal Microbiota of Pigs in Different Areas. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	1
4028	Mini Containers to Improve the Cold Chain Energy Efficiency and Carbon Footprint. <i>Climate</i> , 2022, 10, 76.	1.2	7
4029	Maize production constraints at household levels: The case of Hawassa Zuria district in Sidama Region, Ethiopia. <i>African Journal of Agricultural Research Vol Pp</i> , 2022, 18, 295-307.	0.2	1
4030	Impacts of Climate Smart Agriculture Practices on Soil Water Conservation and Maize Productivity in Rainfed Cropping Systems of Uganda. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	2
4031	Evaluating the regional risks to food availability and access from land-based climate policies in an integrated assessment model. <i>Environment Systems and Decisions</i> , 2022, 42, 547-555.	1.9	1
4032	Potential of water quality wetlands to mitigate habitat losses from agricultural drainage modernization. <i>Science of the Total Environment</i> , 2022, 838, 156358.	3.9	7
4033	The central circadian regulator CCA1 functions in Glycine max during defense to a root pathogen, regulating the expression of genes acting in effector triggered immunity (ETI) and cell wall metabolism. <i>Plant Physiology and Biochemistry</i> , 2022, 185, 198-220.	2.8	0
4034	Adapting agriculture to climate change via sustainable irrigation: biophysical potentials and feedbacks. <i>Environmental Research Letters</i> , 2022, 17, 063008.	2.2	51
4035	POWR1 is a domestication gene pleiotropically regulating seed quality and yield in soybean. <i>Nature Communications</i> , 2022, 13, .	5.8	39
4036	A review of evidence on gender equality, women's empowerment, and food systems. <i>Global Food Security</i> , 2022, 33, 100622.	4.0	27

#	ARTICLE	IF	CITATIONS
4037	The benefits and trade-offs of agricultural diversity for food security in low- and middle-income countries: A review of existing knowledge and evidence. <i>Global Food Security</i> , 2022, 33, 100645.	4.0	14
4038	Proposed diets for sustainable agriculture and food security in Iran. <i>Sustainable Production and Consumption</i> , 2022, 32, 755-764.	5.7	2
4039	Individual Beef Cattle Identification Using Muzzle Images and Deep Learning Techniques. <i>Animals</i> , 2022, 12, 1453.	1.0	15
4040	Adapting the cultivation of industrial hemp (<i>Cannabis sativa</i> L.) to marginal lands: A review. <i>GCB Bioenergy</i> , 2022, 14, 1004-1022.	2.5	6
4041	Foxtail millet [<i>Setaria italica</i> (L.) Beauv.] over-accumulates ammonium under low nitrogen supply. <i>Plant Physiology and Biochemistry</i> , 2022, 185, 35-44.	2.8	6
4042	Sharing land with giants: Habitat preferences of Galapagos tortoises on farms. <i>Global Ecology and Conservation</i> , 2022, 37, e02171.	1.0	3
4043	Systematic Engineering approach for optimization of multi-component alternative protein-fortified 3D printing food Ink. <i>Food Hydrocolloids</i> , 2022, 131, 107803.	5.6	17
4046	Genome Editing Crops in Food and Futuristic Crops. , 2022, , 401-445.		1
4050	DNA Methylation and RNA-Sequencing Analysis to Identify Genes Related to Spontaneous Leaf Spots in a Wheat Variety "Zhongkenuomai No.1"™. <i>Agronomy</i> , 2022, 12, 1519.	1.3	0
4051	Spatial and Temporal Pattern Assessment of Meteorological Drought in Tumakuru District of Karnataka during 1951"2019 using Standardized Precipitation Index. <i>Journal of the Geological Society of India</i> , 2022, 98, 822-830.	0.5	4
4052	The Organ Size and Morphological Change During the Domestication Process of Soybean. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
4053	The effect of shade tree species on bird communities in central Kenyan coffee farms. <i>Bird Conservation International</i> , 2022, 32, 655-673.	0.7	3
4054	Soil quality both increases crop production and improves resilience to climate change. <i>Nature Climate Change</i> , 2022, 12, 574-580.	8.1	56
4055	Conceptualizing Multiple Stressors and Their Consequences in Agroforestry Systems. <i>Stresses</i> , 2022, 2, 242-255.	1.8	4
4056	Thermo-economical sensitivity analysis of a linear compressor. <i>International Journal of Refrigeration</i> , 2022, 142, 82-91.	1.8	2
4057	Optimizing Wheat Yield, Water, and Nitrogen Use Efficiency With Water and Nitrogen Inputs in China: A Synthesis and Life Cycle Assessment. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
4058	From environmental governance to governance for sustainability. <i>One Earth</i> , 2022, 5, 615-621.	3.6	20
4059	Preface: Arable Land Quality: Observation, Estimation, Optimization, and Application. <i>Land</i> , 2022, 11, 947.	1.2	8

#	ARTICLE	IF	CITATIONS
4060	Proposing a Pedagogical Framework for Integrating Urban Agriculture as a Tool to Achieve Social Sustainability within the Interior Design Studio. <i>Sustainability</i> , 2022, 14, 7392.	1.6	2
4061	The emerging frontier of plant immunity's core hubs. <i>FEBS Journal</i> , 2023, 290, 3311-3335.	2.2	7
4062	Nitrate removal and environmental side-effects controlled by hydraulic residence time in woodchip bioreactors treating cold agricultural drainage water. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 4324-4333.	1.2	2
4063	Production of cultured meat by culturing porcine smooth muscle cells in vitro with food grade peanut wire-drawing protein scaffold. <i>Food Research International</i> , 2022, 159, 111561.	2.9	19
4064	How Could the Use of Crop Wild Relatives in Breeding Increase the Adaptation of Crops to Marginal Environments?. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	22
4066	Understanding the relative risks of zoonosis emergence under contrasting approaches to meeting livestock product demand. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	9
4067	Novel Biopesticides Based on Nanoencapsulation of Azadirachtin with Whey Protein to Control Fall Armyworm. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7900-7910.	2.4	12
4068	Breeding of Vegetable Cowpea for Nutrition and Climate Resilience in Sub-Saharan Africa: Progress, Opportunities, and Challenges. <i>Plants</i> , 2022, 11, 1583.	1.6	20
4069	Seeing Our Planet Anew: Fifty Years of Landsat. <i>Photogrammetric Engineering and Remote Sensing</i> , 2022, 88, 429-436.	0.3	3
4070	Carbon nanoparticles improve corn (<i>Zea mays</i> L.) growth and soil quality: Comparison of foliar spray and soil drench application. <i>Journal of Cleaner Production</i> , 2022, 363, 132630.	4.6	18
4071	Nitrogen agronomic efficiency under nitrogen fertilization does not change over time in the long term: Evidence from 477 global studies. <i>Soil and Tillage Research</i> , 2022, 223, 105468.	2.6	7
4072	Molecular Approaches in Restoration of Agro-Biodiversity. , 2022, , 257-271.		1
4073	Algorithm for Selecting Alternative Strategies for Sustainable Intensification of Agricultural Enterprises. <i>Scientific Bulletin of Mukachevo State University Series "Economics"</i> , 2022, 9, 9-17.	0.1	1
4074	The Mechanisms of Genome Editing Technologies in Crop Plants. , 2022, , 295-313.		2
4075	Coupling On-Farms Experiments, Simulation Models, and Machine Learning for Assessing Soybean Yield Improvement Through Rhizobium Inoculation and Phosphorus Supplementation in Sub-Sahara Africa. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4076	Molecular Manipulation of Mir398 Increases Rice Grain Yield Under Different Conditions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4077	Agricultural water pollution. , 2022, , 365-382.		0
4079	Sustainable intensification in cropping systems through inclusion of legumes. , 2022, , 27-50.		0

#	ARTICLE	IF	CITATIONS
4080	Pesticide Residues in Fresh Fruit and Vegetables from Farm to Fork in the Kampala Metropolitan Area, Uganda. <i>Environmental Health Insights</i> , 2022, 16, 117863022211118.	0.6	6
4081	Sustainable management of land degradation through legume-based cropping system. , 2022, , 267-280.		1
4082	Legumes for energy efficiency in agricultural systems. , 2022, , 441-460.		0
4083	Hydrological implications of large-scale afforestation in tropical biomes for climate change mitigation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	12
4084	Study of relationship between morpho-physiological traits and grain yield under terminal drought stress conditions in barley genotypes. <i>Cereal Research Communications</i> , 0, , .	0.8	0
4085	Predicting Dynamic Riverine Nitrogen Export in Unmonitored Watersheds: Leveraging Insights of AI from Data-Rich Regions. <i>Environmental Science & Technology</i> , 2022, 56, 10530-10542.	4.6	13
4086	The heterologous expression of conserved Glycine max (soybean) mitogen activated protein kinase 3 (MAPK3) paralogs suppresses <i>Meloidogyne incognita</i> parasitism in <i>Gossypium hirsutum</i> (upland) Tj ETQq0 0 0 rgBTi/Ovlock10 Tf 50 4		0
4087	Application of artificial neural network for wheat yield forecasting. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 3, 31-39.	0.3	2
4088	Global protected areas seem insufficient to safeguard half of the world's mammals from human-induced extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
4089	Estimation of Maize Yield and Flowering Time Using Multi-Temporal UAV-Based Hyperspectral Data. <i>Remote Sensing</i> , 2022, 14, 3052.	1.8	13
4090	Psychometric analysis of the ecological dispositions of rural farming communities in South Africa: Implications for human excreta reuse in agriculture. , 2022, 1, e0000019.		2
4091	Analysis of Physiological Variations and Genetic Architecture for Photosynthetic Capacity of Japanese Soybean Germplasm. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
4092	Applying the Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM) to characterize the societyâ€“agricultureâ€“forest system: the case of Huayopata, Cuzco (Peru). <i>Environment, Development and Sustainability</i> , 0, , .	2.7	2
4093	New biofertilizer based on sapropel as a growth regulator in the germination of winter vetch seeds. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1045, 012026.	0.2	0
4094	How Does Different Cropland Expansion Trajectories Affect Cropland Fragmentation? Insights From Three Urban Agglomerations in Yangtze River Economic Belt, China. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	2
4095	Genotypic and Environmental Effects on Morpho-Physiological and Agronomic Performances of a Tomato Diversity Panel in Relation to Nitrogen and Water Stress Under Organic Farming. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
4096	An inventory of crop wild relatives and wildâ€“utilized plants in Canada. <i>Crop Science</i> , 0, , .	0.8	2
4097	Mapping 20 years of irrigated croplands in China using MODIS and statistics and existing irrigation products. <i>Scientific Data</i> , 2022, 9, .	2.4	20

#	ARTICLE	IF	CITATIONS
4098	Determinant Indicators for Assessing the Adaptive Capacity of Agricultural Producers to Climate Change. <i>Atmosphere</i> , 2022, 13, 1114.	1.0	2
4099	Associational resistance through intercropping reduces yield losses to soil-borne pests and diseases. <i>New Phytologist</i> , 2022, 235, 2393-2405.	3.5	13
4100	CRISPR/Cas9 knock-out of <i>SIPHD_MS1</i> (Solyc04g008420) gene results in complete male sterility in tomato. <i>Plant Growth Regulation</i> , 0, , .	1.8	5
4101	A meta-analysis of the adoption of agricultural technology in Sub-Saharan Africa. , 2022, 1, e0000018.		15
4102	Impacts of large-scale land acquisitions on smallholder agriculture and livelihoods in Tanzania. <i>Environmental Research Letters</i> , 2022, 17, 084019.	2.2	5
4103	Dietary changes could compensate for potential yield reductions upon global river flow protection. <i>Global Sustainability</i> , 0, , 1-27.	1.6	0
4104	Multi-tier archetypes to characterise British landscapes, farmland and farming practices. <i>Environmental Research Letters</i> , 0, , .	2.2	6
4105	Agricultural management and pesticide use reduce the functioning of beneficial plant symbionts. <i>Nature Ecology and Evolution</i> , 2022, 6, 1145-1154.	3.4	54
4106	Practical and thermodynamic constraints on electromicrobially accelerated CO2 mineralization. <i>IScience</i> , 2022, 25, 104769.	1.9	6
4107	Microbiome Research as an Effective Driver of Success Stories in Agrifood Systems – A Selection of Case Studies. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10
4108	Genome-Wide Association Study Reveals a Genetic Mechanism of Salt Tolerance Germinability in Rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
4109	No tillage outperforms conventional tillage under arid conditions and following fertilization. <i>Soil Ecology Letters</i> , 2023, 5, 137-141.	2.4	3
4110	Reuniting the Three Sisters: collaborative science with Native growers to improve soil and community health. <i>Agriculture and Human Values</i> , 2023, 40, 65-82.	1.7	6
4111	Dairy Slurry Application to Stubble-Covered Soil: A Study on Sustainable Alternatives to Minimize Gaseous Emissions. <i>Agriculture (Switzerland)</i> , 2022, 12, 1021.	1.4	1
4112	Response of Bread Wheat Cultivars Inoculated with <i>Azotobacter</i> Species under Different Nitrogen Application Rates. <i>Sustainability</i> , 2022, 14, 8394.	1.6	13
4113	Uncovering the Research Gaps to Alleviate the Negative Impacts of Climate Change on Food Security: A Review. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	65
4114	Predicting soybean evapotranspiration and crop water productivity for a tropical environment using the CSM-CROPGRO-Soybean model. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109075.	1.9	3
4115	Climate risk perceptions and perceived yield loss increases agricultural technology adoption in the polder areas of Bangladesh. <i>Journal of Rural Studies</i> , 2022, 94, 274-286.	2.1	13

#	ARTICLE	IF	CITATIONS
4116	Plant-based meat substitutes by high-moisture extrusion: Visualizing the whole process in data systematically from raw material to the products. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2435-2444.	1.7	5
4117	Study of zeolite anti-caking effects for fertilisers by 1H low-field NMR. <i>Journal of Magnetic Resonance</i> , 2022, 342, 107264.	1.2	3
4118	Spatial and temporal sensitivity of water footprint assessment in crop production to modelling inputs and parameters. <i>Agricultural Water Management</i> , 2022, 271, 107805.	2.4	5
4119	Soil health and its relationship with food security and human health to meet the sustainable development goals in India. <i>Soil Security</i> , 2022, 8, 100071.	1.2	9
4120	Mixed planting reduces the shaping ability of legume cover crop on soil microbial community structure. <i>Applied Soil Ecology</i> , 2022, 178, 104581.	2.1	4
4121	Rationale for field-specific on-farm precision experimentation. <i>Agriculture, Ecosystems and Environment</i> , 2022, 338, 108088.	2.5	5
4122	Establishing a critical nitrogen dilution curve for estimating nitrogen nutrition index of potato crop in tropical environments. <i>Field Crops Research</i> , 2022, 286, 108605.	2.3	11
4123	Salinity elevates Cd bioaccumulation of sea rice cultured under co-exposure of cadmium and salt. <i>Journal of Environmental Sciences</i> , 2023, 126, 602-611.	3.2	10
4124	Ridge and furrow configuration improved grain yield by optimizing the soil hydrothermal environment and maize canopy traits in Northwest China. <i>Plant and Soil</i> , 0, , .	1.8	2
4125	Insect pollinators of eggplant (<i>Solanum melongena</i> L.) in the Indian Himalayas and their role in enhancement of fruit quality and yield. <i>Arthropod-Plant Interactions</i> , 0, , .	0.5	0
4126	Mechanisms of nitrogen transfer in a model clover-ryegrass pasture: a 15N-tracer approach. <i>Plant and Soil</i> , 2022, 480, 369-389.	1.8	2
4127	Assessment and Prediction of Grain Production Considering Climate Change and Air Pollution in China. <i>Sustainability</i> , 2022, 14, 9088.	1.6	1
4128	Soil properties, rhizosphere bacterial community, and plant performance respond differently to fumigation and bioagent treatment in continuous cropping fields. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
4129	A transcriptional regulator that boosts grain yields and shortens the growth duration of rice. <i>Science</i> , 2022, 377, .	6.0	111
4130	Antibiotic Resistance of Bacterial Isolates from Smallholder Poultry Droppings in the Guinea Savanna Zone of Nigeria. <i>Antibiotics</i> , 2022, 11, 973.	1.5	5
4131	Toward a smart skin: Harnessing cuticle biosynthesis for crop adaptation to drought, salinity, temperature, and ultraviolet stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
4132	Multi-objective planning for food production in a mountainous region: Strategic land utilization for meeting food demand and economic revitalization. , 2022, 3, 100023.		0
4134	Sulfate affects the anaerobic digestion process treating nitrogenous fertilizer wastewater. <i>Biochemical Engineering Journal</i> , 2022, 186, 108550.	1.8	9

#	ARTICLE	IF	CITATIONS
4135	Chemical and spectroscopic evaluations supporting superior P availability after biochar-P fertilizer application. <i>Soil and Tillage Research</i> , 2022, 223, 105487.	2.6	4
4136	PAGAMENTO POR SERVIÇOS AMBIENTAIS COMO ESTRATÉGIA PARA FORTALECIMENTO DA AGRICULTURA FAMILIAR EM UM MUNICÍPIO PAULISTA. , 2022, 18, .		0
4137	Mapping agricultural superior commodities area in North Sumatra Province. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 977, 012054.	0.2	0
4138	Smallholder Farmers Contribution to Food Production in Nigeria. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	5
4139	Drivers of Global Methane Emissions Embodied in International Beef Trade. <i>Environmental Science & Technology</i> , 2022, 56, 11256-11265.	4.6	9
4140	Optimized Ridge-Furrow Ratio to Decrease Greenhouse Gas Emissions and Increase Winter Wheat Yield in Dry Semi-Humid Areas. <i>Agronomy</i> , 2022, 12, 1815.	1.3	0
4141	Density-Dependent Fertilization of Nitrogen for Optimal Yield of Perennial Rice. <i>Agronomy</i> , 2022, 12, 1698.	1.3	2
4142	New Hope for Genome Editing in Cultivated Grasses: CRISPR Variants and Application. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	7
4143	Biomass Carbon and Tree Cover Dynamics Assessment (2000-2010) on Agriculture Landscape in India: Geospatial Interpretation. <i>Biophysical Economics and Sustainability</i> , 2022, 7, .	0.7	0
4144	HLNet Model and Application in Crop Leaf Diseases Identification. <i>Sustainability</i> , 2022, 14, 8915.	1.6	5
4145	The future of CRISPR gene editing according to plant scientists. <i>IScience</i> , 2022, 25, 105012.	1.9	6
4146	Evaluation of Drought Vulnerability of Maize and Influencing Factors in Songliao Plain Based on the SE-DEA-Tobit Model. <i>Remote Sensing</i> , 2022, 14, 3711.	1.8	6
4147	Simple Phenotypic Sensor for Visibly Tracking H ₂ O ₂ Fluctuation to Detect Plant Health Status. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 10058-10064.	2.4	4
4148	Agricultural Insurance, Climate Change, and Food Security: Evidence from Chinese Farmers. <i>Sustainability</i> , 2022, 14, 9493.	1.6	7
4149	High bacterial diversity and siderophore-producing bacteria collectively suppress <i>Fusarium oxysporum</i> in maize/faba bean intercropping. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
4150	Impact of cropping system diversification on productivity and resource use efficiencies of smallholder farmers in south-central Bangladesh: a multi-criteria analysis. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	6
4151	Modelling cropland expansion and its drivers in Trans Nzoia County, Kenya. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 5761-5778.	1.9	4
4153	Application of Blended Controlled-Release and Normal Urea with Suitable Maize Varieties to Achieve Integrated Agronomic and Environmental Impact in a High-Yielding Summer Maize System. <i>Agriculture (Switzerland)</i> , 2022, 12, 1247.	1.4	4

#	ARTICLE	IF	CITATIONS
4154	Agriculture and downstream ecosystems in Florida: an analysis of media discourse. <i>Environmental Science and Pollution Research</i> , 2023, 30, 3804-3816.	2.7	1
4155	Nine actions to successfully restore tropical agroecosystems. <i>Trends in Ecology and Evolution</i> , 2022, , .	4.2	4
4156	Towards the Optimal Mineral N Fertilization for Improving Peeled Tomato Quality Grown in Southern Italy. <i>Horticulturae</i> , 2022, 8, 697.	1.2	5
4157	Transcriptional gene silencing in bread wheat (<i>Triticum aestivum</i> L.) and its application to regulate male fertility for hybrid seed production. <i>Plant Biotechnology Journal</i> , 2022, 20, 2149-2158.	4.1	1
4158	Genetics of the Inverse Relationship between Grain Yield and Grain Protein Content in Common Wheat. <i>Plants</i> , 2022, 11, 2146.	1.6	12
4159	Rethinking Global Food Demand for 2050. <i>Population and Development Review</i> , 2022, 48, 921-957.	1.2	34
4160	Targeted formulation of plant-based protein-foods: Supporting the food system's transformation in the context of human health, environmental sustainability and consumer trends. <i>Trends in Food Science and Technology</i> , 2022, 128, 238-252.	7.8	22
4162	Closing county-level yield gaps through better phosphorus fertilizer management in Northeast China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
4163	Effects of Straw Mulching and Reduced Tillage on Crop Production and Environment: A Review. <i>Water (Switzerland)</i> , 2022, 14, 2471.	1.2	12
4164	Insights Into Chemosensory Proteins From Non-Model Insects: Advances and Perspectives in the Context of Pest Management. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	6
4165	At Which Spatial Scale Does Crop Diversity Enhance Natural Enemy Populations and Pest Control? An Experiment in a Mosaic Cropping System. <i>Agronomy</i> , 2022, 12, 1973.	1.3	2
4166	Global impacts of nitrogen and phosphorus fertiliser use for major crops on aquatic biodiversity. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 1058-1080.	2.2	17
4167	Carbon to nitrogen ratio and quantity of organic amendment interactively affect crop growth and soil mineral N retention. , 2022, 1, 161-167.		11
4168	Analysis of Food Consumption and Its Characteristics in Uzbekistan Based on the Emery Method. <i>Journal of Resources and Ecology</i> , 2022, 13, .	0.2	1
4169	Coupling the environmental impacts of reactive nitrogen losses and yield responses of staple crops in China. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
4170	Production technology, efficiency, and productivity of cereal farms: Prospects for enhancing farm performance in Ghana. <i>Agricultural and Resource Economics Review</i> , 2022, 51, 579-609.	0.6	5
4171	A comparative study on the dietary ecological footprint in contemporary China. <i>Science of the Total Environment</i> , 2022, 851, 158289.	3.9	5
4172	Cytokinin and abiotic stress tolerance -What has been accomplished and the way forward?. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	17

#	ARTICLE	IF	CITATIONS
4174	Spatiotemporal Patterns and Key Driving Factors of Soil Salinity in Dry and Wet Years in an Arid Agricultural Area with Shallow Groundwater Table. <i>Agriculture (Switzerland)</i> , 2022, 12, 1243.	1.4	6
4175	Greenhouse gas emissions and financial analysis of rice paddy production scenarios in northern Iran. <i>Agricultural Water Management</i> , 2022, 272, 107863.	2.4	4
4176	“You can’t be green if you’re in the red”: Local discourses on the production-biodiversity intersection in a mixed farming area in south-eastern Australia. <i>Land Use Policy</i> , 2022, 121, 106306.	2.5	2
4177	Assessing genetic and agronomic gains in rice yield in sub-Saharan Africa: A meta-analysis. <i>Field Crops Research</i> , 2022, 287, 108652.	2.3	4
4178	Understanding the social enablers and disablers of pesticide reduction and agricultural transformation. <i>Journal of Rural Studies</i> , 2022, 95, 67-76.	2.1	12
4179	Advances of Computational Fluid Dynamics (CFD) applications in agricultural building modelling: Research, applications and challenges. <i>Computers and Electronics in Agriculture</i> , 2022, 201, 107277.	3.7	17
4180	Altering microbial community for improving soil properties and agricultural sustainability during a 10-year maize-green manure intercropping in Northwest China. <i>Journal of Environmental Management</i> , 2022, 321, 115859.	3.8	29
4181	Remediation techniques for elimination of heavy metal pollutants from soil: A review. <i>Environmental Research</i> , 2022, 214, 113918.	3.7	56
4182	Integrated environment-smart agricultural practices: A strategy towards climate-resilient agriculture. <i>Economic Analysis and Policy</i> , 2022, 76, 59-72.	3.2	7
4183	Environmental and socio-economic performance of intensive farming systems with varying agricultural resource for maize production. <i>Science of the Total Environment</i> , 2022, 850, 158030.	3.9	7
4184	Engineered nanomaterials in crop plants temperature and or heat stress management. , 2023, , 227-239.		0
4185	Critical Role of Irrigation Efficiency for Cropland Expansion in Western China Arid Agroecosystems. <i>Earth's Future</i> , 2022, 10, .	2.4	14
4186	Effects of the twin-row planter with subsoiling on soybean growth and yield in northern China. <i>Journal of Agricultural Engineering</i> , 2022, 53, .	0.7	0
4187	Margins matter: the importance of field margins as avian brood-rearing habitat in an intensive agricultural landscape. <i>Journal of Ornithology</i> , 0, , .	0.5	0
4188	Adoption and Impact of Integrated Soil Fertility Management Technology on Food Production. <i>Agronomy</i> , 2022, 12, 2261.	1.3	2
4189	How 30 years of land-use changes have affected habitat suitability and connectivity for Atlantic Forest species. <i>Biological Conservation</i> , 2022, 274, 109737.	1.9	7
4190	Does large-scale ecological restoration threaten food security in China? A moderated mediation model. <i>Ecological Indicators</i> , 2022, 143, 109372.	2.6	9
4191	Root-zone fertilization of controlled-release urea reduces nitrous oxide emissions and ammonia volatilization under two irrigation practices in a ratoon rice field. <i>Field Crops Research</i> , 2022, 287, 108673.	2.3	9

#	ARTICLE	IF	CITATIONS
4192	Optimization of tensegral roofs for innovative greenhouses. <i>Mechanics Research Communications</i> , 2022, 125, 103975.	1.0	1
4193	Metal doped nitrogenous hydroxyapatite nanohybrids slowly release nitrogen to crops and mitigate ammonia volatilization: An impact assessment. <i>NanoImpact</i> , 2022, 28, 100424.	2.4	7
4194	Use of ultrasound anemometers to study the influence of air currents generated by a sprayer with an electronic control airflow system on foliar coverage. Effect of droplet size. <i>Computers and Electronics in Agriculture</i> , 2022, 202, 107381.	3.7	6
4195	Spatial patterns and driving factor analysis of recommended nitrogen application rate for the trade-off between economy and environment for maize in China. <i>Journal of Environmental Management</i> , 2022, 322, 116099.	3.8	2
4196	Fine resolution remote sensing spectra improves estimates of gross primary production of croplands. <i>Agricultural and Forest Meteorology</i> , 2022, 326, 109175.	1.9	4
4197	Using synthetic biology to improve photosynthesis for sustainable food production. <i>Journal of Biotechnology</i> , 2022, 359, 1-14.	1.9	9
4198	Exploration of feasible rice-based crop rotation systems to coordinate productivity, resource use efficiency and carbon footprint in central China. <i>European Journal of Agronomy</i> , 2022, 141, 126633.	1.9	11
4199	An integrated straw-tillage management increases maize crop productivity, soil organic carbon, and net ecosystem carbon budget. <i>Agriculture, Ecosystems and Environment</i> , 2022, 340, 108175.	2.5	10
4200	Biodegradable film mulching combined with straw incorporation can significantly reduce global warming potential with higher spring maize yield. <i>Agriculture, Ecosystems and Environment</i> , 2022, 340, 108181.	2.5	16
4201	Monoculture, crop rotation policy, and fire. <i>Ecological Economics</i> , 2023, 203, 107611.	2.9	4
4202	A Global Meta-Analysis of Ecological Functions and Economic Benefits of Co-Culture Models in Paddy Fields. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4203	Are nanomaterials leading to more efficient agriculture? Outputs from 2009 to 2022 research metadata analysis. <i>Environmental Science: Nano</i> , 2022, 9, 3711-3724.	2.2	3
4205	Impact of Climate Change and Planting Date Shifts on Growth and Yields of Double Cropping Rice in Southeastern China in Future. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4206	Accelerating Cereal Breeding for Disease Resistance Through Genome Editing. , 2022, , 323-347.		1
4207	Genome Editing Tools for Food Security. , 2022, , 45-65.		1
4208	Gibberellinsâ€™ Cross Talk and Signal Transduction in Plant Stress Response. <i>Signaling and Communication in Plants</i> , 2022, , 235-247.	0.5	0
4209	Discussion on the Problem of Nutrient Loss of Water-Soluble Fertilizers and the Prospects of Research and Development of New Synergists. <i>Hans Journal of Agricultural Sciences</i> , 2022, 12, 579-584.	0.0	0
4210	Photorespiration and Improving Photosynthesis. <i>Progress in Botany Fortschritte Der Botanik</i> , 2022, , 171-219.	0.1	1

#	ARTICLE	IF	CITATIONS
4211	Combined effects of urbanization and longitudinal disruptions in riparian and in-stream habitat on water quality of a prairie stream. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2022, , 15.	0.5	7
4212	Sustainable Land Use, Landscape Management and Governance. <i>Environmental Science and Engineering</i> , 2022, , 423-436.	0.1	1
4213	Impact of soil-water contaminants on tropical agriculture, animal and societal environment. <i>Advances in Agronomy</i> , 2022, , 209-274.	2.4	4
4214	Emerging Biotechnologies in Agriculture for Efficient Farming and Global Food Production. , 2022, , 353-369.		1
4215	Challenges for a Massive Implementation of Phenomics in Plant Breeding Programs. <i>Methods in Molecular Biology</i> , 2022, , 135-157.	0.4	2
4216	A meta-analysis of ecological functions and economic benefits of co-culture models in paddy fields. <i>Agriculture, Ecosystems and Environment</i> , 2023, 341, 108195.	2.5	11
4217	Exploring Biblioshiny for Historical Assessment of Global Research on Sustainable Use of Water in Agriculture. <i>Sustainability</i> , 2022, 14, 10651.	1.6	16
4219	O54 Comparison of ileal digestibility and indicator amino acid oxidation as methodological assessments of protein quality in growing swine. <i>Animal Science Proceedings</i> , 2022, 13, 309-311.	0.0	1
4220	Modeling the effects of alternative cropâ€œlivestock management scenarios on important ecosystem services for smallholder farming from a landscape perspective. <i>Biogeosciences</i> , 2022, 19, 3935-3958.	1.3	6
4221	Optimizing Planting Density to Increase Maize Yield and Water Use Efficiency and Economic Return in the Arid Region of Northwest China. <i>Agriculture (Switzerland)</i> , 2022, 12, 1322.	1.4	4
4222	Effects of Climate Change on Milk and Honey Production in Ardahan Province. <i>Erciyes Akademi</i> ; 0, , .	0.1	0
4223	Resilience of UK crop yields to compound climate change. <i>Earth System Dynamics</i> , 2022, 13, 1377-1396.	2.7	2
4224	Genome-wide analysis of the JAZ subfamily of transcription factors and functional verification of BnC08.JAZ1-1 in <i>Brassica napus</i> . , 2022, 15, .		2
4225	Research Trends on Greenhouse Engineering Using a Science Mapping Approach. <i>Horticulturae</i> , 2022, 8, 833.	1.2	6
4226	Fluorescent carbon dot as an optical amplifier in modern agriculture. <i>Sustainable Materials and Technologies</i> , 2022, 34, e00493.	1.7	2
4227	Field evaluation of the effect of <i>Aspergillus niger</i> on lettuce growth using conventional measurements and a high-throughput phenotyping method based on aerial images. <i>PLoS ONE</i> , 2022, 17, e0274731.	1.1	1
4228	Elucidating the Effect of Endophytic Entomopathogenic Fungi on Bread Wheat Growth through Signaling of Immune Response-Related Hormones. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	13
4229	Core Microbiota in the Rhizosphere of Heavy Metal Accumulators and Its Contribution to Plant Performance. <i>Environmental Science & Technology</i> , 2022, 56, 12975-12987.	4.6	23

#	ARTICLE	IF	CITATIONS
4230	Antimicrobial resistance dissemination associated with intensive animal production practices in Argentina: A systematic review and meta-analysis. <i>Revista Argentina De Microbiologia</i> , 2023, 55, 25-42.	0.4	2
4231	Matches and mismatches between the global distribution of major food crops and climate suitability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	3
4232	The role of CAM ecophysiology in the Anthropocene. <i>Acta Horticulturae</i> , 2022, , 267-282.	0.1	0
4233	Integration of genetic engineering into conventional rice breeding programs for the next generation. <i>Euphytica</i> , 2022, 218, .	0.6	1
4234	Insights into breeding history, hotspot regions of selection, and untapped allelic diversity for bread wheat breeding. <i>Plant Journal</i> , 2022, 112, 897-918.	2.8	3
4235	Combined transcriptome and metabolome reveal glutathione metabolism plays a critical role in resistance to salinity in rice landraces HD961. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
4236	Biostimulants as Regulators of Stress Metabolites to Enhance Drought and Salinity Stress Tolerance in Plants. , 2022, , 265-294.		1
4238	Rye-soybean double-crop: planting method and N fertilization effects in the North Central US. <i>Renewable Agriculture and Food Systems</i> , 2022, 37, 445-456.	0.8	6
4239	Evaluating climate-driven following for ecological connectivity of species at risk. <i>Landscape Ecology</i> , 2022, 37, 3059-3077.	1.9	2
4240	The impacts of tropical agriculture on biodiversity: A meta-analysis. <i>Journal of Applied Ecology</i> , 2022, 59, 3072-3082.	1.9	11
4241	Multi-target scenario discovery to plan for sustainable food and land systems in Australia. <i>Sustainability Science</i> , 2023, 18, 371-388.	2.5	5
4242	Phenotypic and transcriptomic responses of cultivated sunflower seedlings (<i>Helianthus annuus</i> L.) to four abiotic stresses. <i>PLoS ONE</i> , 2022, 17, e0275462.	1.1	6
4243	A Reconstruction of Irrigated Cropland Extent in China from 2000 to 2019 Using the Synergy of Statistics and Satellite-Based Datasets. <i>Land</i> , 2022, 11, 1686.	1.2	3
4244	Impact of liquid microbial inoculants of <i>Azotobacter</i> sp. and <i>Stenotrophomonas maltophilia</i> on soil fertility and productivity-cum-economics of cluster beans. <i>Journal of Crop Improvement</i> , 2023, 37, 523-542.	0.9	1
4245	Future Food Security in Africa Under Climate Change. <i>Earth's Future</i> , 2022, 10, .	2.4	7
4246	Comparative Assessment of Agro-Morphological and Quality Traits of Ancient Wheat Cultivars Grown under Organic Farming. <i>Agriculture (Switzerland)</i> , 2022, 12, 1476.	1.4	2
4247	Sustainable evaluation of agroecosystem in the Yangtze River Economic Belt, China based on the Energy Theory. <i>Environment, Development and Sustainability</i> , 2023, 25, 13471-13494.	2.7	1
4248	Improving Winter Wheat Photosynthesis, Nitrogen Use Efficiency, and Yield by Optimizing Nitrogen Fertilization. <i>Life</i> , 2022, 12, 1478.	1.1	8

#	ARTICLE	IF	CITATIONS
4249	Unlocking environmental accounting for healthy future landscapes. <i>People and Nature</i> , 2022, 4, 1113-1125.	1.7	0
4250	Crop Yield Loss Risk Is Modulated by Anthropogenic Factors. <i>Earth's Future</i> , 2022, 10, .	2.4	1
4251	Evaluation of Nitrogen Fertilizer Fates and Related Environmental Risks for Main Cereals in China's Croplands from 2004 to 2018. <i>Plants</i> , 2022, 11, 2507.	1.6	1
4252	Recent developments in multi-omics and breeding strategies for abiotic stress tolerance in maize (<i>Zea mays</i>) Tj ETQq1 1 0.784314 18 BT /Over	1.7	18
4253	A survey of viruses and viroids in astringent persimmon (<i>Diospyros kaki</i> Thunb.) and the development of a one-step multiplex reverse transcription-polymerase chain reaction assay for the identification of pathogens. <i>Journal of Plant Biotechnology</i> , 2022, 49, 193-206.	0.1	0
4254	Conserving diversity in Irish plant-pollinator networks. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	5
4256	Environmental response of arbuscular mycorrhizal fungi under soybean cultivation at a regional scale. <i>Mycorrhiza</i> , 0, , .	1.3	6
4257	Apposite macronutrient fertilization (AMNF) – an effective modus operandi for potato crop. , 2021, 91, .		0
4258	Enhancing Soil Organic Carbon Sequestration in Agriculture: Plans and Policies. , 2022, , 95-121.		1
4259	Economic and Eco-friendly Alternatives for the Efficient and Safe Management of Wheat Diseases. , 2022, , 183-202.		2
4260	Food independence and efficient exploitation of natural resources. <i>International Journal of Technology Management and Sustainable Development</i> , 2022, 21, 161-180.	0.4	1
4261	Optimized Architectural Adaption using a Generic Workflow for Telematics on Harvesters in Asia. , 2022, , .		0
4262	Rotational Tillage: A Sustainable Management Technique for Wheat Production in the Semiarid Loess Plateau. <i>Agriculture (Switzerland)</i> , 2022, 12, 1582.	1.4	4
4263	Global insect decline is the result of wilful political failure: A battle plan for entomology. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	13
4264	Convolutional Neural Networks in Computer Vision for Grain Crop Phenotyping: A Review. <i>Agronomy</i> , 2022, 12, 2659.	1.3	26
4265	Greenhouse gas emissions in irrigated paddy rice as influenced by crop management practices and nitrogen fertilization rates in eastern Tanzania. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	8
4266	Future-Proofing Plants Against Climate Change: A Path to Ensure Sustainable Food Systems. , 2023, , 73-116.		3
4267	Winter Wheat Yield Prediction Using an LSTM Model from MODIS LAI Products. <i>Agriculture (Switzerland)</i> , 2022, 12, 1707.	1.4	19

#	ARTICLE	IF	CITATIONS
4268	Farm Advisory Services and total factor productivity growth in the Irish dairy sector. <i>European Review of Agricultural Economics</i> , 2023, 50, 655-682.	1.5	0
4269	Editing the genome of common cereals (Rice and Wheat): techniques, applications, and industrial aspects. <i>Molecular Biology Reports</i> , 2023, 50, 739-747.	1.0	6
4270	Sustainable agricultural practices for food security and ecosystem services. <i>Environmental Science and Pollution Research</i> , 2022, 29, 84076-84095.	2.7	17
4271	The marketâ€“societyâ€“policy nexus in sustainable agriculture. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	2
4272	Productivity and Profitability of Irrigated Bread Wheat (<i>Triticum aestivum</i> ÂŁ) are Influenced by Irrigation Scheduling and Weed Management Approaches. <i>Gesunde Pflanzen</i> , 0, , .	1.7	0
4274	Biotechnological Advances to Improve Abiotic Stress Tolerance in Crops. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12053.	1.8	20
4275	Mechanistic modeling reveals the importance of turgorâ€“driven apoplastic water transport in wheat stem parenchyma during carbohydrate mobilization. <i>New Phytologist</i> , 2023, 237, 423-440.	3.5	2
4276	Spatial patterns of nutrients balance of major crops in Argentina. <i>Science of the Total Environment</i> , 2023, 858, 159863.	3.9	7
4277	Intercropping of wheat alleviates the adverse effects of phenolic acids on faba bean. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
4278	Yield-SpikeSegNet: An Extension of SpikeSegNet Deep-Learning Approach for the Yield Estimation in the Wheat Using Visual Images. <i>Applied Artificial Intelligence</i> , 2022, 36, .	2.0	1
4279	A Systematic Study of Estimating Potato N Concentrations Using UAV-Based Hyper- and Multi-Spectral Imagery. <i>Agronomy</i> , 2022, 12, 2533.	1.3	5
4280	Impacts of Climatic Variability on Agricultural Total Factor Productivity Growth in the Southern United States. <i>Environments - MDPI</i> , 2022, 9, 129.	1.5	0
4281	Nigeria Root Vegetables: Production, Utilization, Breeding, Biotechnology and Constraints. , 0, , .		0
4282	Warming reduces global agricultural production by decreasing cropping frequency and yields. <i>Nature Climate Change</i> , 2022, 12, 1016-1023.	8.1	42
4283	A survey on deep learning applications in wheat phenotyping. <i>Applied Soft Computing Journal</i> , 2022, 131, 109761.	4.1	3
4284	Developing Genetic Engineering Techniques for Control of Seed Size and Yield. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13256.	1.8	8
4285	Evaluation of the effects of elevated CO ₂ concentrations on the growth of cassava storage roots by destructive harvests and ground penetrating radar scanning approaches. <i>Plant, Cell and Environment</i> , 0, , .	2.8	1
4286	Combining organic and conservation agriculture to restore biodiversity? Insights from innovative farms in Belgium and their impacts on carabids and spiders. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	0

#	ARTICLE	IF	CITATIONS
4287	Probiotics beyond the farm: Benefits, costs, and considerations of using antibiotic alternatives in livestock. , 0, 1, .		3
4288	Proposal of Resilient Housing Features for the Disaster Affected Community of Bangladesh. Sustainability, 2022, 14, 14061.	1.6	3
4289	Challenges of sustainable agricultural development with special regard to Internet of Things: Survey. Progress in Agricultural Engineering Sciences, 2022, 18, 95-114.	0.5	1
4290	Ecosystem services of "Trees Outside Forests (TOF)"™ and their contribution to the contemporary sustainability agenda: a systematic review. Environmental Research Communications, 2022, 4, 112002.	0.9	3
4291	Biocontrol impacts on wheat physiology and Fusarium head blight outcomes are bacterial endophyte strain- and cultivar specific. Phytobiomes Journal, 0, , .	1.4	0
4292	Nitrogen and Phosphorus Replacement Value of Three Representative Livestock Manures Applied to Summer Maize in the North China Plain. Agronomy, 2022, 12, 2716.	1.3	0
4293	Impacts of monoculture cropland to alley cropping agroforestry conversion on soil <sc>N</sc> emissions. GCB Bioenergy, 2023, 15, 58-71.	2.5	4
4294	Wheat trade tends to happen between countries with contrasting extreme weather stress and synchronous yield variation. Communications Earth & Environment, 2022, 3, .	2.6	6
4295	Application of ecosystem-specific reference databases for increased taxonomic resolution in soil microbial profiling. Frontiers in Microbiology, 0, 13, .	1.5	1
4296	The infectious disease trap of animal agriculture. Science Advances, 2022, 8, .	4.7	16
4297	Reference genes expression stability in Avena sativa L. during compatible and incompatible interactions with Puccinia graminis. Scientific Reports, 2022, 12, .	1.6	1
4298	Identifying the determinants of crop yields in China since 1952 and its policy implications. Agricultural and Forest Meteorology, 2022, 327, 109216.	1.9	11
4299	Biotransformation in leaves of foliar applied ENMs. , 2023, , 261-276.		0
4300	A new multi-dimensional framework considering environmental impacts to assess green development level of cultivated land during 1990 to 2018 in China. Environmental Impact Assessment Review, 2023, 98, 106927.	4.4	15
4301	A set of preliminary indicators for holistic sustainability assessment of household food consumption in rural and urban China. Resources, Conservation and Recycling, 2023, 188, 106727.	5.3	5
4302	A six-year record of greenhouse gas emissions in different growth stages of summer maize influenced by irrigation and nitrogen management. Field Crops Research, 2023, 290, 108744.	2.3	7
4303	Humic acid nature and compound structure together determine the capacity of soil to sorb Avermectin B1a and its derivatives. Chemical Engineering Journal, 2023, 453, 139914.	6.6	5
4304	Phosphorus use efficiency has crossed the turning point of the environmental kuznets curve: Opportunities and challenges for crop production in China. Journal of Environmental Management, 2023, 326, 116754.	3.8	7

#	ARTICLE	IF	CITATIONS
4305	Concepts of agricultural marginal lands and their utilisation: A review. <i>Agricultural Systems</i> , 2023, 204, 103560.	3.2	17
4306	Cover crop by irrigation and fertilization improves soil health and maize yield: Establishing a soil health index. <i>Applied Soil Ecology</i> , 2023, 182, 104727.	2.1	6
4307	Defining Composition and Function of the Rhizosphere Microbiota of Barley Genotypes Exposed to Growth-Limiting Nitrogen Supplies. <i>MSystems</i> , 2022, 7, .	1.7	12
4308	Terrestrial carbon sequestration under future climate, nutrient and land use change and management scenarios: a national-scale UK case study. <i>Environmental Research Letters</i> , 2022, 17, 114054.	2.2	3
4309	Treatment with atypical rhizobia, <i>Pararhizobium giardinii</i> and <i>Ochrobactrum</i> sp. modulate the rhizospheric bacterial community, and enhances <i>Lens culinaris</i> growth in fallow-soil. <i>Microbiological Research</i> , 2023, 267, 127255.	2.5	5
4310	Molecular manipulations of miR398 increase rice grain yield under different conditions. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
4311	Excessive Delay in Nutrient Release by Controlled-Release Fertilizers Can Reduce Chestnut Yield. <i>Horticulturae</i> , 2022, 8, 1067.	1.2	2
4312	Embodied greenhouse gas emissions in the international agricultural trade. <i>Sustainable Production and Consumption</i> , 2023, 35, 250-259.	5.7	4
4313	Hydrogen Oxidizing Bacteria as Novel Protein Source for Human Consumption: An Overview. <i>Open Microbiology Journal</i> , 2022, 16, .	0.2	1
4314	International demand for food and services drives environmental footprints of pesticide use. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	9
4315	Food Consumption Characteristics and Influencing Factors in a Grassland Transect of Inner Mongolia Based on the Emergy Method. <i>Foods</i> , 2022, 11, 3637.	1.9	0
4316	Effect of the Rate of Nitrogen Application on Dry Matter Accumulation and Yield Formation of Densely Planted Maize. <i>Sustainability</i> , 2022, 14, 14940.	1.6	12
4317	Robustness and efficiency of international pesticide trade networks subject to link removal strategies. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
4318	Leaf, plant, to canopy: A mechanistic study on aboveground plasticity and plant density within a maize–soybean intercrop system for the Midwest, USA. <i>Plant, Cell and Environment</i> , 2023, 46, 405-421.	2.8	5
4319	The COVID-19 Restrictions and Biological Invasion: A Global Terrestrial Ecosystem Perspective on Propagule Pressure and Invasion Trajectory. <i>Sustainability</i> , 2022, 14, 14783.	1.6	0
4320	Improvement of Rice Agronomic Traits by Editing Type-B Response Regulators. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14165.	1.8	3
4321	Genome-Wide Association Study Reveals Novel QTLs and Candidate Genes for Grain Number in Rice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13617.	1.8	0
4322	Root-derived C distribution drives N transport and transformation after ¹³ C and ¹⁵ N labelling on paddy and upland soils. <i>Biology and Fertility of Soils</i> , 2023, 59, 513-525.	2.3	2

#	ARTICLE	IF	CITATIONS
4323	Agriculture and food security under a changing climate: An underestimated challenge. <i>IScience</i> , 2022, 25, 105551.	1.9	15
4324	Precision Agriculture in Brazil: The Trajectory of 25 Years of Scientific Research. <i>Agriculture (Switzerland)</i> , 2022, 12, 1882.	1.4	2
4325	The effect of semi-natural habitat types on epigeic arthropods: Isolate habitats make critical contribution to biodiversity in agricultural landscape. <i>Ecological Indicators</i> , 2022, 145, 109642.	2.6	3
4326	Genome-wide dissection of changes in maize root system architecture during modern breeding. <i>Nature Plants</i> , 2022, 8, 1408-1422.	4.7	32
4327	Effect of the Release of Gravel Elements on Soil Nutrients and Jujube Fruit Yield under Wet-and-Dry Cycles. <i>Agronomy</i> , 2022, 12, 2881.	1.3	1
4328	Roles of auxin response factors in rice development and stress responses. <i>Plant, Cell and Environment</i> , 2023, 46, 1075-1086.	2.8	12
4329	Environmental impact of diets for dogs and cats. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
4330	Formation Techniques Used in Shape-Forming Microrobotic Systems with Multiple Microrobots: A Review. <i>Micromachines</i> , 2022, 13, 1987.	1.4	2
4331	A State-of-the-Art Survey on Analytical Hierarchy Process Applications in Sustainable Development. <i>International Journal of Mathematical, Engineering and Management Sciences</i> , 2022, 7, 883-917.	0.4	4
4333	Analytical hierarchy process for sustainable agriculture: An overview. <i>MethodsX</i> , 2023, 10, 101954.	0.7	28
4334	Agriculture intensity and landscape configuration influence the spatial use of wildcats across Europe. <i>Biological Conservation</i> , 2023, 277, 109854.	1.9	2
4335	Rice straw application improves yield marginally and increases carbon footprint of double cropping paddy rice (<i>Oryza sativa</i> L.). <i>Field Crops Research</i> , 2023, 291, 108796.	2.3	5
4336	Supplementary irrigation and varying nitrogen fertilizer rate mediate grain yield, soil-maize nitrogen accumulation and metabolism. <i>Agricultural Water Management</i> , 2023, 276, 108066.	2.4	8
4337	Can the advisory system Nutrient Expert [®] balance productivity, profitability and sustainability for rice production systems in China?. <i>Agricultural Systems</i> , 2023, 205, 103575.	3.2	4
4338	The fate of N released from the fixed NH ₄ ⁺ pool in response to different straw application doses. <i>Geoderma</i> , 2023, 430, 116312.	2.3	1
4339	Impact of climate change and planting date shifts on growth and yields of double cropping rice in southeastern China in future. <i>Agricultural Systems</i> , 2023, 205, 103581.	3.2	14
4340	Soil bacterial and fungal communities show within field heterogeneity that varies by land management and distance metric. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108920.	4.2	2
4341	Diversified crop rotations reduce groundwater use and enhance system resilience. <i>Agricultural Water Management</i> , 2023, 276, 108067.	2.4	13

#	ARTICLE	IF	CITATIONS
4342	Studying beef production evolution to plan for ecological intensification of grazing ecosystems. <i>Agricultural Systems</i> , 2023, 205, 103582.	3.2	4
4343	County level calibration strategy to evaluate peanut irrigation water use under different climate change scenarios. <i>European Journal of Agronomy</i> , 2023, 143, 126693.	1.9	2
4344	Suspended sediment response to Nordic bioeconomy and climate change scenarios in a first-order agricultural catchment. <i>Catena</i> , 2023, 222, 106794.	2.2	5
4345	Indicators of water use efficiency across diverse agroecosystems and spatiotemporal scales. <i>Science of the Total Environment</i> , 2023, 864, 160992.	3.9	14
4346	Diverse agricultural landscapes increase bat activity and diversity: Implications for biological pest control. <i>Agriculture, Ecosystems and Environment</i> , 2023, 345, 108318.	2.5	4
4347	Methodology for multi-temporal prediction of crop rotations using recurrent neural networks. <i>Smart Agricultural Technology</i> , 2023, 4, 100152.	3.1	3
4348	Phenomics for Komatsuna plant growth tracking using deep learning approach. <i>Expert Systems With Applications</i> , 2023, 215, 119368.	4.4	4
4349	Fertilizer nitrogen and global warming – A review. , 2019, 89, .		2
4350	Genome Editing and miRNA-Based Approaches in Cereals under Abiotic Stress. , 2022, , 647-673.		1
4351	Hava Bazı Proteinin Alternatif Bir Protein Kaynağı Olarak Kullanılabilir Olanakların İncelenmesi. <i>International Journal of Life Sciences and Biotechnology</i> , 2022, 5, 643-668.	0.2	1
4352	Application of microalgae <i>Chlamydomonas applanata</i> M9V and <i>Chlorella vulgaris</i> S3 for wheat growth promotion and as urea alternatives. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
4353	Mapping and Managing Livelihoods Vulnerability to Drought: A Case Study of Chivi District in Zimbabwe. <i>Climate</i> , 2022, 10, 189.	1.2	3
4354	The food-energy-water-carbon nexus of the rice-wheat production system in the western Indo-Gangetic Plain of India: An impact of irrigation system, conservational tillage and residue management. <i>Science of the Total Environment</i> , 2023, 860, 160428.	3.9	9
4355	Plant nitrogen availability and crosstalk with phytohormones signalings and their biotechnology breeding application in crops. <i>Plant Biotechnology Journal</i> , 2023, 21, 1320-1342.	4.1	15
4356	Genome editing for vegetable crop improvement: Challenges and future prospects. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
4357	Türkiye'de Buğdayın Kendi Kendine Yeterlilik ve Thalata Bazımlı İlaçların Kullanımından Değerlendirilmesi. <i>European Journal of Science and Technology</i> , 0, , .	0.5	1
4359	Sustainable Agriculture: Relationship between Knowledge and Attitude among University Students. <i>Sustainability</i> , 2022, 14, 15523.	1.6	1
4360	SNP-based bulk segregant analysis revealed disease resistance QTLs associated with northern corn leaf blight in maize. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	0

#	ARTICLE	IF	CITATIONS
4361	Fabrication of polydopamine reduced <scp>CuO</scp> nanoparticle-â€alginate composite nanogels for management of <i>Pseudomonas syringae</i> pv. <i>tabaci</i> in tobacco. Pest Management Science, 2023, 79, 1213-1224.	1.7	2
4362	Effects of Sowing Date and Nitrogen (N) Application Rate on Grain Yield, Nitrogen Use Efficiency and 2-Acetyl-1-Pyrroline Formation in Fragrant Rice. Agronomy, 2022, 12, 3035.	1.3	2
4363	Allocative efficiency or misallocation of resources? The emergence of forestland rental markets and the forest devolution reform in China. European Review of Agricultural Economics, 2023, 50, 395-420.	1.5	4
4364	Drought stress affects interactions between potato plants, psyllid vectors, and a bacterial pathogen. FEMS Microbiology Ecology, 2022, 99, .	1.3	0
4365	Soil structure and microbiome functions in agroecosystems. Nature Reviews Earth & Environment, 2023, 4, 4-18.	12.2	151
4366	Cherry Tomato Crop Management Under Irrigation Levels: Morphometric Characteristics and Their Relationship with Fruit Production and Quality. Gesunde Pflanzen, 2023, 75, 1277-1288.	1.7	1
4368	Introduction to food, feed, and health wealth in African yam bean, a locked-in African indigenous tuberous legume. Frontiers in Sustainable Food Systems, 0, 6, .	1.8	4
4369	Evidence for increasing global wheat yield potential. Environmental Research Letters, 2022, 17, 124045.	2.2	12
4371	Can Soybean Cultivars with Larger Seed Size Produce More Protein, Lipids, and Seed Yield? A Meta-Analysis. Foods, 2022, 11, 4059.	1.9	4
4372	Pros and Cons of Biochar to Soil Potentially Toxic Element Mobilization and Phytoavailability: Environmental Implications. Earth Systems and Environment, 2023, 7, 321-345.	3.0	23
4373	Genetic diversity and risk factor analysis of drug-resistant Escherichia coli recovered from broiler chicken farms. Comparative Immunology, Microbiology and Infectious Diseases, 2023, 93, 101929.	0.7	1
4374	Microplastics have rice cultivar-dependent impacts on grain yield and quality, and nitrogenous gas losses from paddy, but not on soil properties. Journal of Hazardous Materials, 2023, 446, 130672.	6.5	11
4375	Evaluating Climate Change Impacts on Cotton Phenology and Yield Under Full and Deficit Irrigation Conditions in an Extremely Arid Oasis. International Journal of Plant Production, 2023, 17, 49-63.	1.0	1
4376	A Multi-Year, Multi-Cultivar Approach to Differential Expression Analysis of High- and Low-Protein Soybean (Glycine max). International Journal of Molecular Sciences, 2023, 24, 222.	1.8	2
4377	Producing fast and active Rubisco in tobacco to enhance photosynthesis. Plant Cell, 2023, 35, 795-807.	3.1	16
4378	Changes in Yield and Antioxidant Enzyme Content of Tomato Plant Depending on the Application of Microorganism Injected Tuff Material. Communications in Soil Science and Plant Analysis, 0, , 1-12.	0.6	0
4379	Fermentation as a Promising Tool to Valorize Rice-Milling Waste into Bio-Products Active against Root-Rot-Associated Pathogens for Improved Horticultural Plant Growth. Fermentation, 2022, 8, 716.	1.4	0
4380	Native endophytes from maize as potential biocontrol agents against bacterial top rot caused by cross-kingdom pathogen Klebsiella pneumoniae. Biological Control, 2023, 178, 105131.	1.4	2

#	ARTICLE	IF	CITATIONS
4381	Long non-coding RNAs as the regulatory hubs in rice response to salt stress. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
4382	A New Framework for Winter Wheat Yield Prediction Integrating Deep Learning and Bayesian Optimization. <i>Agronomy</i> , 2022, 12, 3194.	1.3	9
4383	Bibliometric analysis of publications discussing the use of the artificial intelligence technique agent-based models in sustainable agriculture. <i>Heliyon</i> , 2022, 8, e12005.	1.4	5
4384	Coupling Microbial Fuel Cell and Hydroponic System for Electricity Generation, Organic Removal, and Nutrient Recovery via Plant Production from Wastewater. <i>Energies</i> , 2022, 15, 9211.	1.6	5
4385	Impacts of Transboundary Crop Diseases on Sustainable Crop Production: The Case of Maize Lethal Necrosis (MLN) in Africa. <i>Emerging-economy State and International Policy Studies</i> , 2023, , 163-179.	0.0	0
4386	Integrated metabolomic and transcriptomic analysis reveals the role of phenylpropanoid biosynthesis pathway in tomato roots during salt stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	7
4387	Banned Pesticides with High Persistence: The Impact of Their Use in Agriculture and Their Removal by Microbial Biodegradation. , 2023, , 33-75.		1
4388	In Silico and In Vivo Evaluation of Synthesized SCP-2 Inhibiting Compounds on Life Table Parameters of <i>Helicoverpa armigera</i> (HAW4bner). <i>Insects</i> , 2022, 13, 1169.	1.0	0
4389	An In-Depth Assessment of the Drivers Changing China's Crop Production Using an LMDI Decomposition Approach. <i>Remote Sensing</i> , 2022, 14, 6399.	1.8	2
4390	Estimation of wheat tiller density using remote sensing data and machine learning methods. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
4392	Microbial and Plant Derived Low Risk Pesticides Having Nematocidal Activity. <i>Toxins</i> , 2022, 14, 849.	1.5	1
4394	CRISPR/Cas9-Mediated Multiple Knockouts in Abscisic Acid Receptor Genes Reduced the Sensitivity to ABA during Soybean Seed Germination. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16173.	1.8	4
4395	Strategies for manipulating Rubisco and creating photorespiratory bypass to boost C ₃ photosynthesis: Prospects on modern crop improvement. <i>Plant, Cell and Environment</i> , 2023, 46, 363-378.	2.8	9
4396	UAV-Based Estimation of Grain Yield for Plant Breeding: Applied Strategies for Optimizing the Use of Sensors, Vegetation Indices, Growth Stages, and Machine Learning Algorithms. <i>Remote Sensing</i> , 2022, 14, 6345.	1.8	8
4397	Sharing land via keystone structure: Retaining naturally regenerated trees may efficiently benefit birds in plantations. <i>Ecological Applications</i> , 2023, 33, .	1.8	5
4399	Transforming Africa's food systems: a smallholder farmers' perspective. , 2023, 2, 51-63.		0
4400	Characterization of Sub-Catchment Stream and Shallow Groundwater Nutrients and Suspended Sediment in a Mixed Land Use, Agro-Forested Watershed. <i>Water (Switzerland)</i> , 2023, 15, 233.	1.2	2
4401	Large Chestnut Trees Did Not Respond to Annual Fertiliser Applications, Requiring a Long-Term Approach to Establishing Effective Fertilisation Plans. <i>Soil Systems</i> , 2023, 7, 2.	1.0	0

#	ARTICLE	IF	CITATIONS
4402	Genetic gain in grain yield and main agronomic traits of winter wheat during the past 90 years in Pannonian plain. <i>Selekcija I Semestarstvo</i> , 2022, 28, 22-29.	0.6	0
4403	Databases Relevant to Phytochemicals and Genes That Govern Biosynthesis of the Phytochemicals. , 2022, , 361-377.		0
4404	Effect of planting and mowing cover crops as livestock feed on soil quality and pear production. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
4405	Preliminary Results Detailing the Effect of the Cultivation System of Mulched Ridge with Double Row on Solanaceous Vegetables Obtained by Using the 2ZBX-2A Vegetable Transplanter. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1092.	1.3	2
4406	Interaction Between Nanoparticles and Phytopathogens. , 2023, , 169-220.		1
4407	Overexpression of a C3HC4-type RING E3 ligase gene, OsRFPHC-13, improves salinity resistance in rice, <i>Oryza sativa</i> , by altering the expression of Na ⁺ /K ⁺ transporter genes. <i>Environmental and Experimental Botany</i> , 2023, 207, 105224.	2.0	2
4408	Shortening generation times for winter cereals by vernalizing seedlings from young embryos at 10 degree Celsius. <i>Plant Breeding</i> , 2023, 142, 202-210.	1.0	2
4409	A Perspective Review on Microbial Fuel Cells in Treatment and Product Recovery from Wastewater. <i>Water (Switzerland)</i> , 2023, 15, 316.	1.2	24
4410	Smallholder farmers' knowledge on the use of bioslurry as a soil fertility amendment input for potato production in Kenya. <i>Land Degradation and Development</i> , 2023, 34, 2214-2227.	1.8	4
4411	Climate Change, Food and Nutrition Security, and Human Capital. , 2023, , 1-37.		0
4412	Impact of urban expansion on grain production in the Japan Sea Rim region. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
4413	Applications of agricultural residue biochars to removal of toxic gases emitted from chemical plants: A review. <i>Science of the Total Environment</i> , 2023, 868, 161655.	3.9	15
4414	Fuzzy logic indicators for the assessment of farming sustainability strategies in a tropical agricultural frontier. <i>Agronomy for Sustainable Development</i> , 2023, 43, .	2.2	5
4415	A Review of Evidence on Gender Equality, Womenâ€™s Empowerment, and Food Systems. , 2023, , 165-189.		2
4416	Overexpression of Rice C3HC4-Type RING Finger Protein Gene, OsSIRHC-2, Improves Salinity Tolerance Through Low Na ⁺ Accumulation. <i>Journal of Plant Biology</i> , 2023, 66, 147-162.	0.9	3
4417	Changing Food Consumption Pattern and Influencing Factors in Bangladesh. <i>Foods</i> , 2023, 12, 401.	1.9	4
4418	Evolution and implementation of One Health to control the dissemination of antibiotic-resistant bacteria and resistance genes: A review. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	8
4419	The Pyramiding of Elite Allelic Genes Related to Grain Number Increases Grain Number per Panicle Using the Recombinant Lines Derived from Indicaâ€™japonica Cross in Rice. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1653.	1.8	0

#	ARTICLE	IF	CITATIONS
4420	Risk of Crop Yield Reduction in China under 1.5 Å°C and 2 Å°C Global Warming from CMIP6 Models. <i>Foods</i> , 2023, 12, 413.	1.9	3
4421	Landscape structure is a key driver of soil protist diversity in meadows in the Swiss Alps. <i>Landscape Ecology</i> , 2023, 38, 949-965.	1.9	2
4422	How Does Agricultural Mechanization Service Affect Agricultural Green Transformation in China?. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 1655.	1.2	3
4423	The productive performance of intercropping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	22
4424	Advanced biotechnological strategies towards the development of crops with enhanced micronutrient content. <i>Plant Growth Regulation</i> , 2023, 100, 355-371.	1.8	4
4425	A perspective on greenhouse gas emission studies integrating arbuscular mycorrhiza. <i>Pedosphere</i> , 2023, , .	2.1	0
4426	Performances of a Seq2Seq-LSTM methodology to predict crop rotations in Québec. <i>Smart Agricultural Technology</i> , 2023, 4, 100180.	3.1	3
4427	Complete ammonia oxidization in agricultural soils: High ammonia fertilizer loss but low N_2O production. <i>Global Change Biology</i> , 2023, 29, 1984-1997.	4.2	3
4428	On the relation between monocultures and ecosystem services in the Global South: A review. <i>Biological Conservation</i> , 2023, 278, 109870.	1.9	4
4429	Pyrethroid insecticides pose greater risk than organophosphate insecticides to biocontrol agents for human schistosomiasis. <i>Environmental Pollution</i> , 2023, 319, 120952.	3.7	2
4430	A process simulation-based framework for resource, food, and ecology trade-off by optimizing irrigation and N management. <i>Journal of Hydrology</i> , 2023, 617, 129035.	2.3	4
4431	SHINE clade of ERF transcription factors: A significant player in abiotic and biotic stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2023, 195, 77-88.	2.8	7
4432	Sun-induced chlorophyll fluorescence is superior to satellite vegetation indices for predicting summer maize yield under drought conditions. <i>Computers and Electronics in Agriculture</i> , 2023, 205, 107615.	3.7	6
4433	Assessment of continuity and efficiency of complemented cropland use in China for the past 20 years: A perspective of cropland abandonment. <i>Journal of Cleaner Production</i> , 2023, 388, 135987.	4.6	9
4434	The effects of plant density and nitrogen fertilization on maize yield and soil microbial communities in the black soil region of Northeast China. <i>Geoderma</i> , 2023, 430, 116325.	2.3	2
4435	Weed resistance to different herbicide modes of action is driven by agricultural intensification. <i>Field Crops Research</i> , 2023, 292, 108819.	2.3	10
4436	Scientific basis for the use of minimally processed homogenates of <i>Kappaphycus alvarezii</i> (red) and <i>Sargassum wightii</i> (brown) seaweeds as crop biostimulants. <i>Algal Research</i> , 2023, 70, 102969.	2.4	14
4437	Exploring nitrogen management methods for depressing the decline of wheat grain protein in plastic film mulch via ^{15}N -labelling technique. <i>Soil and Tillage Research</i> , 2023, 228, 105632.	2.6	2

#	ARTICLE	IF	CITATIONS
4438	Mapping abandoned cropland using Within-Year Sentinel-2 time series. <i>Catena</i> , 2023, 223, 106924.	2.2	10
4439	Energy efficient Firmware Over The Air Update for TinyML models in LoRaWAN agricultural networks. , 2022, , .		4
4440	A Perspective on the Overarching Role of Hydrogen, Ammonia, and Methanol Carbon-Neutral Fuels towards Net Zero Emission in the Next Three Decades. <i>Energies</i> , 2023, 16, 280.	1.6	23
4441	Forecasting of Winter Wheat Yield: A Mathematical Model and Field Experiments. <i>Agriculture (Switzerland)</i> , 2023, 13, 41.	1.4	1
4442	A Large-Scale Dataset of Conservation and Deep Tillage in Mollisols, Northeast Plain, China. <i>Data</i> , 2023, 8, 6.	1.2	1
4443	Double-Camera Fusion System for Animal-Position Awareness in Farming Pens. <i>Foods</i> , 2023, 12, 84.	1.9	0
4444	Hyperspectral Remote Sensing for Phenotyping the Physiological Drought Response of Common and Tepary Bean. <i>Plant Phenomics</i> , 2023, 5, .	2.5	6
4445	Characterization of Solar Radiation-Induced Degradation Products of the Plant Sunscreen Sinapoyl Malate. <i>ACS Agricultural Science and Technology</i> , 2023, 3, 171-180.	1.0	3
4446	Land Use Indicators in the Context of Land Use Efficiency. <i>Sustainability</i> , 2023, 15, 1106.	1.6	3
4447	The politics of adaptiveness in agroecosystems and its role in transformations to sustainable food systems. <i>Earth System Governance</i> , 2023, 15, 100164.	2.1	3
4448	Plant Microbiome in Agroecosystems for Sustainable Agriculture and Environments. <i>Microorganisms for Sustainability</i> , 2023, , 423-438.	0.4	0
4449	Nutrient Use Efficiency and Greenhouse Gas Emissions Affected by Fertilization and Farmyard Manure Addition in Rice-Wheat System. <i>International Journal of Plant Production</i> , 0, , .	1.0	0
4450	Cotton-Based Rotation, Intercropping, and Alternate Intercropping Increase Yields by Improving Root-Shoot Relations. <i>Agronomy</i> , 2023, 13, 413.	1.3	8
4451	Multiple ecosystem service synergies and landscape mediation of biodiversity within urban agroecosystems. <i>Ecology Letters</i> , 2023, 26, 369-383.	3.0	13
4452	Potentiometric Testing of Soil by Printed Nobel Metal Thick Film Electrode. <i>Journal of the Electrochemical Society</i> , 2023, 170, 017508.	1.3	0
4453	The effect of animal husbandry on economic growth: Evidence from 13 provinces of North China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
4454	Projecting wheat demand in China and India for 2030 and 2050: Implications for food security. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	9
4455	Analysis of Corn Yield Prediction Potential at Various Growth Phases Using a Process-Based Model and Deep Learning. <i>Plants</i> , 2023, 12, 446.	1.6	6

#	ARTICLE	IF	CITATIONS
4456	Antibiotics, antibiotic-resistant bacteria, and the environment. , 2023, , 117-142.		1
4457	Assessment of Recovered Struvite as a Safe and Sustainable Phosphorous Fertilizer. <i>Environments - MDPI</i> , 2023, 10, 22.	1.5	4
4458	Nutritional aspects and dietary benefits of "Silkworms" Current scenario and future outlook. <i>Frontiers in Nutrition</i> , 0, 10, .	1.6	6
4459	Applications and Prospects of CRISPR/Cas9-Mediated Base Editing in Plant Breeding. <i>Current Issues in Molecular Biology</i> , 2023, 45, 918-935.	1.0	7
4460	Photosynthetic cell factories, a new paradigm for carbon dioxide (CO2) valorization. , 2023, , 463-480.		0
4461	Agrivoltaics: The Environmental Impacts of Combining Food Crop Cultivation and Solar Energy Generation. <i>Agronomy</i> , 2023, 13, 299.	1.3	15
4462	Using the three horizons approach to explore pathways towards positive futures for agricultural landscapes with rich biodiversity. <i>Sustainability Science</i> , 2023, 18, 1271-1289.	2.5	4
4463	Weak environmental adaptation of rare phylotypes sustaining soil multi-element cycles in response to decades-long fertilization. <i>Science of the Total Environment</i> , 2023, 871, 162063.	3.9	4
4464	Targeting yield and reducing nitrous oxide emission by use of single and double inhibitor treated urea during winter wheat season in Northern Germany. <i>Agriculture, Ecosystems and Environment</i> , 2023, 347, 108391.	2.5	3
4465	Organic rice cultivation enhances the diversity of above-ground arthropods but not below-ground soil eukaryotes. <i>Agriculture, Ecosystems and Environment</i> , 2023, 347, 108390.	2.5	1
4466	Instigating prevalent abiotic stress resilience in crop by exogenous application of phytohormones and nutrient. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	19
4467	Do Opposites Attract? Auxin-Abscisic Acid Crosstalk: New Perspectives. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3090.	1.8	5
4468	Modelling the crop yield gap with a remote sensing-based process model: A case study of winter wheat in the North China Plain. <i>Journal of Integrative Agriculture</i> , 2023, 22, 2993-3005.	1.7	0
4469	The Relationship Research between Biodiversity Conservation and Economic Growth: From Multi-Level Attempts to Key Development. <i>Sustainability</i> , 2023, 15, 3107.	1.6	0
4470	Changes in per capita wheat production in China in the context of climate change and population growth. <i>Food Security</i> , 2023, 15, 597-612.	2.4	4
4471	Control and Measurement Systems Supporting the Production of Haylage in Baler-Wrapper Machines. <i>Sensors</i> , 2023, 23, 2992.	2.1	1
4472	Reduction in the Use of Some Herbicides Favors Nitrogen Fixation Efficiency in <i>Phaseolus vulgaris</i> and <i>Medicago sativa</i> . <i>Plants</i> , 2023, 12, 1608.	1.6	1
4473	Management-induced changes in soil organic carbon and related crop yield dynamics in China's cropland. <i>Global Change Biology</i> , 2023, 29, 3575-3590.	4.2	15

#	ARTICLE	IF	CITATIONS
4474	Adapting perennial grain and oilseed crops for climate resiliency. <i>Crop Science</i> , 0, , .	0.8	1
4475	Spatial variation in the association between agricultural activities and bird communities in Canada. <i>Science of the Total Environment</i> , 2023, 881, 163413.	3.9	2
4476	Are encapsulated pesticides less harmful to human health than their conventional alternatives? Protocol for a systematic review of in vitro and in vivo animal model studies. <i>Environment International</i> , 2023, 174, 107924.	4.8	4
4477	Agriculture accentuates interannual variability in water fluxes but not carbon fluxes, relative to native prairie, in the U.S. Corn Belt. <i>Agricultural and Forest Meteorology</i> , 2023, 333, 109420.	1.9	3
4478	Sustainable intensification and carbon sequestration research in agricultural systems: A systematic review. <i>Environmental Science and Policy</i> , 2023, 143, 14-23.	2.4	4
4479	Differentiated agricultural sensitivity and adaptability to rising temperatures across regions and sectors in China. <i>Journal of Environmental Economics and Management</i> , 2023, 119, 102801.	2.1	12
4480	Grain-cropping suitability for evaluating the agricultural land use change in Brazil. <i>Applied Geography</i> , 2023, 154, 102937.	1.7	4
4481	Harnessing the connectivity of climate change, food systems and diets: Taking action to improve human and planetary health. <i>Anthropocene</i> , 2023, 42, 100381.	1.6	4
4482	Global transfer of salinization on irrigated land: Complex network and endogenous structure. <i>Journal of Environmental Management</i> , 2023, 336, 117592.	3.8	5
4483	Comprehensive environmental impact assessment of plastic film mulching with emphasis on waste disposal of discarded plastic film in sunflower production. <i>Journal of Cleaner Production</i> , 2023, 404, 136979.	4.6	4
4484	Remote sensing and climate services improve irrigation water management at farm scale in Western-Central India. <i>Science of the Total Environment</i> , 2023, 879, 163003.	3.9	2
4485	Potential impacts of Fukushima nuclear wastewater discharge on nutrient supply and greenhouse gas emissions of food systems. <i>Resources, Conservation and Recycling</i> , 2023, 193, 106985.	5.3	2
4486	AgriLOVE: Agriculture, land-use and technical change in an evolutionary, agent-based model. <i>Ecological Economics</i> , 2023, 208, 107756.	2.9	3
4487	Recent trends in pesticides in crops: A critical review of the duality of risks-benefits and the Brazilian legislation issue. <i>Environmental Research</i> , 2023, 228, 115811.	3.7	6
4488	Long-term responses in different karst agricultural production systems to farm management and climate change: A comparative prefecture-scale study in Southwest China. <i>Agriculture, Ecosystems and Environment</i> , 2023, 352, 108504.	2.5	2
4489	MloP-NMS: Perfecting crops target detection and counting in dense occlusion from high-resolution UAV imagery. <i>Smart Agricultural Technology</i> , 2023, 4, 100226.	3.1	3
4490	First report of aeroponically grown Bambara groundnut, an African indigenous hypogeal legume: Implications for climate adaptation. <i>Heliyon</i> , 2023, 9, e14675.	1.4	1
4491	A Review of Swarm Robotics in a NutShell. <i>Drones</i> , 2023, 7, 269.	2.7	4

#	ARTICLE	IF	CITATIONS
4492	The pervasive impact of global climate change on plant-nematode interaction continuum. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	11
4493	Extracellular vesicles as a strategy for cadmium secretion in bacteria SH225. <i>Chemosphere</i> , 2023, 324, 138373.	4.2	3
4494	Integrated mulching and nitrogen management strategies influence carbon footprint and sustainability of wheat production on the Loess Plateau of China. <i>Field Crops Research</i> , 2023, 297, 108928.	2.3	3
4497	Exploring plant responses to abiotic stress by contrasting spectral signature changes. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
4498	Modelling land use planning: Socioecological integrated analysis of metropolitan green infrastructures. <i>Land Use Policy</i> , 2023, 126, 106558.	2.5	2
4499	Buffalo milk and rumen fluid metabolome are significantly affected by green feed. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
4500	Anomaly detection on the cutter bar of a combine harvester using cyclostationary analysis. <i>Biosystems Engineering</i> , 2023, 226, 169-181.	1.9	0
4501	Genomic prediction for grain yield and micro-environmental sensitivity in winter wheat. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
4502	Sustainable intensification of vegetable production using the cereal "push-pull technology": benefits and health implications. <i>Environmental Sustainability</i> , 2023, 6, 25-34.	1.4	9
4503	Comparative Analysis of Statistical and Machine Learning Techniques for Rice Yield Forecasting for Chhattisgarh, India. <i>Sustainability</i> , 2023, 15, 2786.	1.6	14
4504	Review of the chemical ecology of homoterpenes in arthropod-plant interactions. <i>Austral Entomology</i> , 2023, 62, 3-14.	0.8	1
4505	Multi-faceted CRISPR-Cas9 strategy to reduce plant based food loss and waste for sustainable bio-economy – A review. <i>Journal of Environmental Management</i> , 2023, 332, 117382.	3.8	5
4506	Enhancing the ecological value of oil palm agriculture through set-asides. <i>Nature Sustainability</i> , 2023, 6, 513-525.	11.5	3
4507	Prohexadione calcium enhances rice growth and tillering under NaCl stress. <i>PeerJ</i> , 0, 11, e14804.	0.9	1
4508	Does a tragedy of the commons due to individual competition arise from genetically fixed traits or plastic traits in dryland wheat? An experimental verification. <i>Journal of Plant Ecology</i> , 2023, 16, .	1.2	0
4509	Development of breeder chip for gene detection and molecular-assisted selection by target sequencing in wheat. <i>Molecular Breeding</i> , 2023, 43, .	1.0	1
4510	Impacts of Agricultural Intensification on Farmland Birds and Risk Assessment of Pesticide Seed Treatments. , 2023, , 73-96.		0
4511	Valuing changes in the portfolio of service flows from climate-induced extremes on a linked food, energy, water system (C-FEWS). <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	3

#	ARTICLE	IF	CITATIONS
4512	Can food security and low carbon be achieved simultaneously? An empirical analysis of the mechanisms influencing the carbon footprint of potato and corn cultivation in irrigation areas. <i>Journal of Integrative Agriculture</i> , 2023, 22, 1230-1243.	1.7	4
4513	Sustainable intensification of agriculture as a tool to promote food security: A bibliometric analysis. <i>Frontiers in Sustainable Food Systems</i> , 0, 7, .	1.8	4
4514	Inexorable land degradation due to agriculture expansion in South American Pampa. <i>Nature Sustainability</i> , 2023, 6, 662-670.	11.5	10
4515	Promising management strategies to improve crop sustainability and to amend soil salinity. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	8
4516	Identification of photosynthetic parameters for superior yield of two super hybrid rice varieties: A cross-scale study from leaf to canopy. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	3
4517	Feasibility and reliability of agricultural crop height measurement using the laser sensor array. <i>Information Processing in Agriculture</i> , 2023, , .	2.9	0
4518	Molecular Breeding of Farm Animals through Gene Editing. , 2023, , .		1
4519	Lime, inoculum, and phosphorous input supplementation under rain-fed soybean in Ghana's northern savannas. <i>Frontiers in Sustainable Food Systems</i> , 0, 7, .	1.8	1
4520	Improving the Sustainability of Rice Cultivation in Central Thailand with Biofertilizers and Laser Land Leveling. <i>Agronomy</i> , 2023, 13, 587.	1.3	5
4521	Livelihood Capitals and Opportunity Cost for Grazing Areasâ€™ Restoration: A Sustainable Intensification Strategy in the Ecuadorian Amazon. <i>Animals</i> , 2023, 13, 714.	1.0	7
4522	Microbial Alleviation of Abiotic and Biotic Stresses in Rice. <i>Sustainable Agriculture Reviews</i> , 2023, , 243-268.	0.6	0
4523	Soybean yield response to nitrogen and sulfur fertilization in the United States: contribution of soil N and N fixation processes. <i>European Journal of Agronomy</i> , 2023, 145, 126791.	1.9	3
4524	Green Victimization of Native Americans: Uranium Mining as a Form of Toxic Colonialism and Genocide. <i>Critical Criminology</i> , 0, , .	0.8	0
4525	Towards a Low-Cost Comprehensive Process for On-Farm Precision Experimentation and Analysis. <i>Agriculture (Switzerland)</i> , 2023, 13, 524.	1.4	1
4526	Advancing approach and toolbox in optimization of chloroplast genetic transformation technology. <i>Journal of Integrative Agriculture</i> , 2023, 22, 1951-1966.	1.7	1
4527	The Spatio-Temporal Evolution of Food Production and Self-Sufficiency in China from 1978 to 2020: From the Perspective of Calories. <i>Foods</i> , 2023, 12, 956.	1.9	2
4528	When increasing vegetable production may worsen food availability gaps: A simulation model in India. <i>Food Policy</i> , 2023, 116, 102416.	2.8	3
4529	Multimechanism Collaborative Superior Antioxidant CDzymes To Alleviate Salt Stress-Induced Oxidative Damage in Plant Growth. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 4237-4247.	3.2	4

#	ARTICLE	IF	CITATIONS
4531	An insight into the role of carbon dots in the agriculture system: a review. <i>Environmental Science: Nano</i> , 2023, 10, 959-995.	2.2	5
4532	Estimating Net Carbon and Greenhouse Gas Balances of Potato and Pea Crops on a Conventional Farm in Western Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	1
4533	How economic and geographical indicators affect dietary environmental footprint: Evidence from China. <i>Ecological Indicators</i> , 2023, 148, 110075.	2.6	0
4534	Does Nepal Have the Agriculture to Feed Its Population with a Sustainable Diet? Evidence from the Perspective of Human-Land Relationship. <i>Foods</i> , 2023, 12, 1076.	1.9	3
4535	When my neighbors matter: Spillover effects in the adoption of large-scale pesticide-free wheat production. <i>Agricultural Economics (United Kingdom)</i> , 2023, 54, 256-273.	2.0	8
4536	Environment-friendly nitrogen management practices in wetland paddy cultivation. <i>Frontiers in Sustainable Food Systems</i> , 0, 7, .	1.8	5
4537	Nitrogen Interactions Cause Soil Degradation in Greenhouses: Their Relationship to Soil Preservation in China. <i>Horticulturae</i> , 2023, 9, 340.	1.2	2
4538	Genetic regulatory networks of soybean seed size, oil and protein contents. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	6
4539	Politics for Food Security and Climate Changes. , 2023, , 176-182.		0
4540	Achieving Land Degradation Neutrality to Combat the Impacts of Climate Change. , 2023, , 77-96.		2
4541	Agriculture-related green house gas emissions and mitigation measures. <i>Advances in Agronomy</i> , 2023, , 257-376.	2.4	0
4542	Field maturity detection via interferometric synthetic aperture radar images time-series: a case study for maize crop. <i>International Journal of Remote Sensing</i> , 2023, 44, 1417-1432.	1.3	0
4543	Long-term impacts of mineral and organic fertilizer inputs on nitrogen use efficiency for different cropping systems and site conditions in Southern China. <i>European Journal of Agronomy</i> , 2023, 146, 126797.	1.9	14
4544	Fuzzy Decision Support Model on Virtual Plant Computational Model of Water Spinach (<i>Ipomoea</i>) Tj ETQq1 1 0.784314 rgBT ₀ /Overlook		
4545	Comparative Analysis of Root Transcriptome of High-NUE Mutant and Wild-Type Barley under Low-Nitrogen Conditions. <i>Agronomy</i> , 2023, 13, 806.	1.3	0
4546	Agronomical Practices and Management for Commercial Cultivation of <i>Portulaca oleracea</i> as a Crop: A Review. <i>Plants</i> , 2023, 12, 1246.	1.6	12
4547	Economic and environmental impacts of integrated systems adoption in Brazilian agriculture-forest frontier. <i>Agroforestry Systems</i> , 2023, 97, 847-863.	0.9	1
4548	Priming crop plants with rosemary (<i>Salvia rosmarinus</i> Spenn, syn <i>Rosmarinus officinalis</i> L.) extract triggers protective defense response against pathogens. <i>Plant Physiology and Biochemistry</i> , 2023, 197, 107644.	2.8	1

#	ARTICLE	IF	CITATIONS
4549	Water Footprint Assessment of Major Crops in Henan Province and Reduction Suggestions. <i>Water (Switzerland)</i> , 2023, 15, 1135.	1.2	3
4550	Aerated drip irrigation improves watermelon yield, quality, water and fertilizer use efficiency by changing plant biomass and nutrient partitioning. <i>Irrigation Science</i> , 2023, 41, 739-748.	1.3	0
4551	Pesticidal Toxicity of Phosphine and Its Interaction with Other Pest Control Treatments. <i>Current Issues in Molecular Biology</i> , 2023, 45, 2461-2473.	1.0	3
4552	Evolution of the rice blast pathogen on spatially structured rice landraces maintains multiple generalist fungal lineages. <i>Molecular Ecology</i> , 2023, 32, 2519-2533.	2.0	4
4553	Bibliometric Analysis on the Impact of Climate Change on Crop Pest and Disease. <i>Agronomy</i> , 2023, 13, 920.	1.3	3
4554	Effects of Goat Manure Fertilization on Grain Nutritional Value in Two Contrasting Quinoa (<i>Chenopodium quinoa</i> Willd.) Varieties Cultivated at High Altitudes. <i>Agronomy</i> , 2023, 13, 918.	1.3	1
4555	Agricultural Marketing Dynamics in the Face of Climate Change. <i>Advances in Marketing, Customer Relationship Management, and E-services Book Series</i> , 2023, , 174-195.	0.7	0
4556	New agri-environmental measures have a direct effect on wildlife and economy on conventional agricultural land. <i>PeerJ</i> , 0, 11, e15000.	0.9	2
4557	Effects of Hanwoo (Korean cattle) manure as organic fertilizer on plant growth, feed quality, and soil bacterial community. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	5
4558	Improving Wheat Yield and Phosphorus Use Efficiency through the Optimization of Phosphorus Fertilizer Types Based on Soil P Pool Characteristics in Calcareous and Non-Calcareous Soil. <i>Agronomy</i> , 2023, 13, 928.	1.3	3
4559	Preparation of nitrogen-doped carbon dots and their enhancement on lettuce yield and quality. <i>Journal of Materials Chemistry B</i> , 2023, 11, 3113-3123.	2.9	3
4560	Disentangling the practice of landscape approaches: a Q-method analysis on experiences in socio-ecological production landscapes and seascapes. <i>Sustainability Science</i> , 0, , .	2.5	3
4561	Smart agriculture and digital twins: Applications and challenges in a vision of sustainability. <i>European Journal of Agronomy</i> , 2023, 146, 126809.	1.9	22
4562	Post-2020 biodiversity framework challenged by cropland expansion in protected areas. <i>Nature Sustainability</i> , 2023, 6, 758-768.	11.5	21
4563	Improvement of Soybean Crop for Yield, Stress Tolerance, and Value-Added Products Using a Transgenic Approach. <i>Advances in Agriculture</i> , 2023, 2023, 1-26.	0.3	0
4565	Specialized Metabolites Produced by Phytotopato-gen Fungi to Control Weeds and Parasite Plants. <i>Microorganisms</i> , 2023, 11, 843.	1.6	2
4566	TSWIFT: Tower Spectrometer on Wheels for Investigating Frequent Timeseries for high-throughput phenotyping of vegetation physiology. <i>Plant Methods</i> , 2023, 19, .	1.9	3
4567	Land cover differentially affects abundance of common and rare birds. <i>Global Change Biology</i> , 0, , .	4.2	0

#	ARTICLE	IF	CITATIONS
4568	Optimizing Agronomic, Environmental, Health and Economic Performances in Summer Maize Production through Fertilizer Nitrogen Management Strategies. <i>Plants</i> , 2023, 12, 1490.	1.6	4
4569	Increasing risk of simultaneous occurrence of flash drought in major global croplands. <i>Environmental Research Letters</i> , 2023, 18, 044044.	2.2	10
4570	INTENSIFICACI3N AGR3COLA SUSTENTABLE: SU INCIDENCIA SOBRE ATRIBUTOS QU3MICOS Y F3SICOS DEL SUELO. , 2021, 3, 44-59.		0
4571	Utilizing Genomics to Characterize the Common Oat Gene Pool3The Story of More Than a Century of Polish Breeding. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6547.	1.8	1
4572	A Qualitative Investigation of European Grain Legume Supply Markets through the Lens of Agroecology in Four Companies. <i>Sustainability</i> , 2023, 15, 6103.	1.6	0
4573	Modelling maize yield impacts of improved water and fertilizer management in southern Africa using Cropping System Model coupled to an Agro3Hydrological Model at field and catchment scale. <i>Journal of Agricultural Science</i> , 0, , 1-58.	0.6	0
4575	ASLncR: a novel computational tool for prediction of abiotic stress-responsive long non-coding RNAs in plants. <i>Functional and Integrative Genomics</i> , 2023, 23, .	1.4	3
4576	Sustainability of Aquaculture Production Systems. , 2023, , 491-530.		0
4577	Utilization effect of water-land resources under the evolution of Chinese dietary patterns. <i>Journal of Chinese Geography</i> , 2023, 33, 741-759.	1.5	3
4578	Effect of seasonality on the amino acid and monosaccharide profile from the green seaweed <i>Ulva lactuca</i> cultivated in plastic sleeves onshore (Mikhmoret, Israel). <i>Journal of Applied Phycology</i> , 2023, 35, 1347-1363.	1.5	3
4579	The combined formulation of brassinolide and pyraclostrobin increases biomass and seed yield by improving photosynthetic capacity in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	4
4580	Opportunities and challenges of the European Green Deal for the chemical industry: An approach measuring circularity. , 2023, 5, 100044.		0
4581	Antecedents of sustainable food waste management behaviour: Empirical evidence from urban households in Malaysia. <i>Management and Marketing</i> , 2023, 18, 53-77.	0.8	0
4582	Estimating and analyzing the spatiotemporal characteristics of crop yield loss in response to drought in the koshi river basin, Nepal. <i>Theoretical and Applied Climatology</i> , 2023, 152, 1053-1073.	1.3	1
4584	Sustainability of cover cropping practice with changing climate in Illinois. <i>Journal of Environmental Management</i> , 2023, 339, 117946.	3.8	2
4585	Nitrogen-doped carbon dots enhanced seedling growth and salt tolerance with distinct requirements of excitation light. <i>RSC Advances</i> , 2023, 13, 12114-12122.	1.7	3
4586	Introduction: Agroforestry for Sustaining the Global Agriculture in a Changing Environment. , 2023, , 3-20.		0
4587	A review of alternative plant protein sources, their extraction, functional characterisation, application, nutritional value and pinch points to being the solution to sustainable food production. <i>International Journal of Food Science and Technology</i> , 2024, 59, 462-472.	1.3	2

#	ARTICLE	IF	CITATIONS
4588	Climate change due to increasing concentration of carbon dioxide and its impacts on environment in 21st century; a mini review. <i>Journal of King Saud University - Science</i> , 2023, 35, 102693.	1.6	12
4589	Understanding the Impact of the Intercropping System on Carbon Dioxide (CO ₂) Emissions and Soil Carbon Stocks in Limpopo Province, South Africa. <i>International Journal of Agronomy</i> , 2023, 2023, 1-15.	0.5	1
4590	Co-expression network analysis of diverse wheat landraces reveals markers of early thermotolerance and a candidate master regulator of thermotolerance genes. <i>Plant Journal</i> , 2023, 115, 614-626.	2.8	2
4591	Underutilized Vegetables Introduction and Identification. , 2023, , 1-10.		0
4592	CRISPR/Cas9-mediated gene editing to confer turnip mosaic virus (TuMV) resistance in Chinese cabbage (<i>Brassica rapa</i>). <i>Horticulture Research</i> , 2023, 10, .	2.9	3
4593	Livestock-crop interaction for sustainability of agriculture and environment. , 2023, , 339-394.		0
4596	Crop Health Analysis with the Help of Soil Parameters by Using ASDFieldspec4 Spectroradiometer. , 2023, , 415-430.		0
4606	Evaluating Apiculture as a Sustainable Livelihood Option in the Wake of Climate Change: West Bengal, India. , 2023, , 37-63.		0
4624	Nanomaterial based delivery of genetic material to plant systems. , 2023, , 41-56.		0
4632	ML-Based Prediction of Carbon Emissions for Potato Farms in Iran. <i>IFIP Advances in Information and Communication Technology</i> , 2023, , 352-361.	0.5	0
4635	Sustainability and greenhouse gas emissions from beef production. , 2022, , .		0
4637	Editorial: Wild plant genetic resources: a hope for tomorrow. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
4644	Multi-Modal Transfer Learning with DenseNet and Random Forest for Accurate Detection of Powdery Mildew in Rice & Maize Crops. , 2023, , .		0
4679	The prevalence of anthropogenic nest materials differs between two distinct populations of migratory birds in Europe. <i>Environmental Science and Pollution Research</i> , 2023, 30, 69703-69710.	2.7	1
4692	Introduction: The Sustainability Challenges of Brazilian Agriculture. <i>Environment & Policy</i> , 2023, , 1-16.	0.4	0
4693	The Ocean as a Solution to Climate Change: Five Opportunities for Action. , 2023, , 619-680.		0
4712	Practices of food waste management and its impact on environment. , 2023, , 89-111.		0
4713	Management of agriculture waste materials: challenges and future aspects. , 2023, , 19-37.		0

#	ARTICLE	IF	CITATIONS
4714	Improving bioavailability of zinc in rice grains by reducing antinutrients through genetic engineering. , 2023, , 131-142.		0
4722	Conservation agriculture for regenerating soil health and climate change mitigation in smallholder systems of South Asia. <i>Advances in Agronomy</i> , 2023, , 183-277.	2.4	1
4723	Role of biotechnology in creating sustainable agriculture. , 2023, 2, e0000069.		5
4735	Genome to phenome: bioinformatics of crop plants. , 2023, , 1-18.		0
4749	Envisioning a More Sustainable Future through a More Efficient Present. , 2023, , 43-81.		0
4752	Climate Change and Health in the Tropics: Current Status and Future Trends. , 2024, , 33-42.		0
4761	An AI-Based Prediction Model for Climate Change Effects on Crop production using IoT. , 2023, , .		1
4762	Machine Learning in Food Security and Sustainability. , 2023, , 1583-1599.		0
4765	Nanofertilization for plant health. , 2023, , 105-117.		0
4773	Plant immune system: Mechanisms and resilience. , 2024, , 9-21.		0
4776	Food Safety and the Importance of Comprehensive Analytical Methods for Pesticides and Other Contaminants. , 2023, , 27-66.		0
4824	Progress towards healthy diets remains slow. <i>Nature Food</i> , 0, , .	6.2	0
4825	Market Economy and Biodiversity. , 2024, , 780-791.		0
4827	Plant Breeding from Classical Genetics to Molecular Approaches for Food and Nutrition Security. , 2023, , 1-32.		0
4829	AI-Driven Applications in High-Tech Agriculture. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2023, , 23-37.	0.3	0
4830	Enzyme activities in the rhizosphere of soil and groundwater. , 2023, , 387-427.		0
4837	Faunal Biodiversity in Rice-Dominated Wetlandsâ€™ An Essential Component of Sustainable Rice Production. , 2023, , 93-120.		1
4838	Introductionâ€™How Swiss Foreign Aid for International Development Benefits Agricultural Development Across Asia. , 2023, , 1-26.		0

#	ARTICLE	IF	CITATIONS
4839	Mitigating the One Health Impacts of Agrochemicals Through Sustainable Policies and Regulations. Sustainable Development and Biodiversity, 2023, , 211-243.	1.4	0
4840	Eco-Farming for Sustainability: Defending Our Way of Life Against Agrochemicals. Sustainable Development and Biodiversity, 2023, , 793-816.	1.4	0
4844	Sustainability and Biodiversity. , 2024, , 792-807.		0
4851	Lettuce Crop Yield Prediction Analysis using Random Forest Regression Machine Learning Model in Aeroponics System. , 2023, , .		1
4856	Cultivating a New Future. Advances in Human Resources Management and Organizational Development Book Series, 2023, , 414-450.	0.2	0
4858	Enhancing Smart Agriculture Scenarios with Low-code, Pattern-oriented functionalities for Cloud/Edge collaboration. , 2023, , .		0
4862	Convolutional Neural Networks for Planting System Detection of Olive Groves. Studies in Big Data, 2023, , 373-399.	0.8	0
4864	An Overview of Phytohormones Mediated Drought and Salinity Tolerance in Plants. , 2023, , 387-417.		0
4868	Biodiversity: goal and driver of agricultural sustainability. , 2024, , 143-164.		0
4871	Harnessing Soil Potential: Innovation in Strategic Tillage and Management - New Perspectives. , 0, , .		0
4883	Improvements of an Smart-and-Connected Low-Cost Sensor System for Measuring Canopy Properties in the Central U.S. , 2023, , .		0
4892	Traditional and Emerging Climate-Resilient Agricultural Practices for Enhancing Food Production and Nutritional Quality. Environmental Science and Engineering, 2023, , 551-570.	0.1	0
4893	Impact of Changing Abiotic Environment on Photosynthetic Adaptation in Plants. Environmental Science and Engineering, 2023, , 385-423.	0.1	1
4895	Lighting up plants with near-infrared fluorescence probes. Science China Chemistry, 2024, 67, 774-787.	4.2	0
4902	Climate change impacts on crop yields. Nature Reviews Earth & Environment, 2023, 4, 831-846.	12.2	9
4904	Benefits and limitations of biochar for climate-smart agriculture: a review and case study from China. Biochar, 2023, 5, .	6.2	7
4911	The agricultural extensification on polluted lands. , 2024, , 1-84.		0
4916	Improving Plant Nutrient Use Efficiency for Climate-Resilient Agriculture. , 2023, , 209-243.		0

#	ARTICLE	IF	CITATIONS
4920	Genome Sequences from Diploids and Wild Relatives of Wheat for Comparative Genomics and Alien Introgressions. <i>Compendium of Plant Genomes</i> , 2024, , 241-263.	0.3	0
4924	Flavour of Novel Food Proteins. , 2023, , 234-274.		0
4927	Biochar for the Improvement of Crop Production. , 2023, , 297-317.		0
4934	How Genome Editing Can Be Helpful in the Biofortification of Legumes. , 2023, , 207-232.		0
4938	Biotechnological Attributes of Bio-stimulants for Relieving Abiotic Stress. , 2023, , 677-688.		0
4946	Molecular Studies and Metabolic Engineering of Phytohormones for Abiotic Stress Tolerance. , 2023, , 105-126.		0
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