

# Carbon emission from farm operations

Environment International

30, 981-990

DOI: [10.1016/j.envint.2004.03.005](https://doi.org/10.1016/j.envint.2004.03.005)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Response to Comments on "Managing Soil Carbon". Science, 2004, 305, 1567d-1567d.	6.0	32
3	Soil erosion and carbon dynamics. Soil and Tillage Research, 2005, 81, 137-142.	2.6	218
4	Soil Carbon Sequestration for Sustaining Agricultural Production and Improving the Environment with Particular Reference to Brazil. Agroecology and Sustainable Food Systems, 2005, 26, 23-42.	0.9	21
5	Carbon budget of mature no-till ecosystem in North Central Region of the United States. Agricultural and Forest Meteorology, 2005, 130, 59-69.	1.9	195
6	A comparative study of some environmental impacts of conventional and organic farming in Australia. Agricultural Systems, 2006, 89, 324-348.	3.2	165
7	The United States Department of Energy's Regional Carbon Sequestration Partnerships program: A collaborative approach to carbon management. Environment International, 2006, 32, 128-144.	4.8	65
8	Land area for establishing biofuel plantations. Energy for Sustainable Development, 2006, 10, 67-79.	2.0	10
9	Carbon sequestration in a temperate grassland; management and climatic controls. Soil Use and Management, 2006, 22, 132-142.	2.6	85
10	The possibilities of fuel savings and the reduction of CO2 emissions in the soil tillage in Croatia. Agriculture, Ecosystems and Environment, 2006, 115, 290-294.	2.5	44
11	Managing Soils for Food Security and Climate Change. Journal of Crop Improvement, 2007, 19, 49-71.	0.9	6
12	Global bioenergy: problems and prospects. International Journal of Global Energy Issues, 2007, 27, 231.	0.2	20
13	Anthropogenic Influences on World Soils and Implications to Global Food Security. Advances in Agronomy, 2007, , 69-93.	2.4	103
14	LIFE-CYCLE ASSESSMENT OF NET GREENHOUSE-GAS FLUX FOR BIOENERGY CROPPING SYSTEMS. , 2007, 17, 675-691.		533
15	Nitrogen Management Affects Carbon Sequestration in North American Cropland Soils. Critical Reviews in Plant Sciences, 2007, 26, 45-64.	2.7	136
16	SOIL CARBON SEQUESTRATION TO MITIGATE CLIMATE CHANGE AND ADVANCE FOOD SECURITY. Soil Science, 2007, 172, 943-956.	0.9	382
17	Environmental, Economic and Policy Aspects of Biofuels. Foundations and Trends in Microeconomics, 2007, 4, 353-468.	0.5	26
18	Introducing greenhouse gas mitigation as a development objective in rice-based agriculture: I. Generation of technical coefficients. Agricultural Systems, 2007, 94, 807-825.	3.2	101
19	Soil Science and the Carbon Civilization. Soil Science Society of America Journal, 2007, 71, 1425-1437.	1.2	117

#	ARTICLE	IF	CITATIONS
21	Soil organic carbon accumulation and carbon costs related to tillage, cropping systems and nitrogen fertilization in a subtropical Acrisol. <i>Soil and Tillage Research</i> , 2007, 94, 510-519.	2.6	91
23	Carbon Management in Agricultural Soils. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2007, 12, 303-322.	1.0	205
24	Nitrogen fertilization and cropping systems effects on soil organic carbon and total nitrogen pools under chisel-plow tillage in Illinois. <i>Soil and Tillage Research</i> , 2007, 95, 348-356.	2.6	87
25	Estimating the pre-harvest greenhouse gas costs of energy crop production. <i>Biomass and Bioenergy</i> , 2008, 32, 442-452.	2.9	93
26	Crop residues as soil amendments and feedstock for bioethanol production. <i>Waste Management</i> , 2008, 28, 747-758.	3.7	178
27	Quantifying the effects of fungicides and disease resistance on greenhouse gas emissions associated with wheat production. <i>Plant Pathology</i> , 2008, 57, 1000-1008.	1.2	54
28	Soil quality assessed by carbon management index in a subtropical Acrisol subjected to tillage systems and irrigation. <i>Soil Research</i> , 2008, 46, 469.	0.6	30
29	SUSTAINABLE HORTICULTURE AND RESOURCE MANAGEMENT. <i>Acta Horticulturae</i> , 2008, , 19-44.	0.1	6
30	Building Up Organic Matter in a Subtropical Paleudult under Legume Coverâ€Cropâ€Based Rotations. <i>Soil Science Society of America Journal</i> , 2009, 73, 1699-1706.	1.2	40
31	Fertilizer Application Timing Influences Greenhouse Gas Fluxes Over a Growing Season. <i>Journal of Environmental Quality</i> , 2009, 38, 1569-1579.	1.0	64
32	Potential contributions of food consumption patterns to climate change. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1704S-1709S.	2.2	400
33	Clearing the Air. <i>Advances in Agronomy</i> , 2009, 103, 1-40.	2.4	108
34	Global warming mitigation potential of biogas plants in India. <i>Environmental Monitoring and Assessment</i> , 2009, 157, 407-418.	1.3	115
35	Soil carbon sequestration and stratification in a cereal/leguminous crop rotation with three tillage systems in semiarid conditions. <i>Agriculture, Ecosystems and Environment</i> , 2009, 133, 114-122.	2.5	134
36	Diffuse Pollution Swapping in Arable Agricultural Systems. <i>Critical Reviews in Environmental Science and Technology</i> , 2009, 39, 478-520.	6.6	90
37	Carbon Footprint and Sustainability of Agricultural Production Systems in Punjab, India, and Ohio, USA. <i>Journal of Crop Improvement</i> , 2009, 23, 332-350.	0.9	179
39	Conservation Agriculture and Soil Carbon Sequestration: Between Myth and Farmer Reality. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 97-122.	2.7	399
40	The carbon footprints of food crop production. <i>International Journal of Agricultural Sustainability</i> , 2009, 7, 107-118.	1.3	224

#	ARTICLE	IF	CITATIONS
41	Future energy potential of <i>Miscanthus</i> in Europe. <i>GCB Bioenergy</i> , 2009, 1, 180-196.	2.5	139
42	Greenhouse gas emissions from four bioenergy crops in England and Wales: Integrating spatial estimates of yield and soil carbon balance in life cycle analyses. <i>GCB Bioenergy</i> , 2009, 1, 267-281.	2.5	146
43	Energy Use and Carbon Dioxide Emissions from Cropland Production in the United States, 1990â€“2004. <i>Journal of Environmental Quality</i> , 2009, 38, 418-425.	1.0	49
44	An assessment of greenhouse gas emissions: implications for the Australian cotton industry. <i>Journal of Agricultural Science</i> , 2010, 148, 501-510.	0.6	49
45	Beneficial Effects of Organic Fertilization and No-Tillage on Fine-Textured Soil Properties Under Two Different Forage Crop Rotations. <i>Soil Science</i> , 2010, 175, 173-185.	0.9	8
46	Net mitigation potential of straw return to Chinese cropland: estimation with a full greenhouse gas budget model. <i>Ecological Applications</i> , 2010, 20, 634-647.	1.8	53
47	Labile Organic Matter, Aggregates, and Stratification Ratios in a Semiarid Vineyard with Cover Crops. <i>Soil Science Society of America Journal</i> , 2010, 74, 2120-2130.	1.2	67
48	Management effects on net ecosystem carbon and GHG budgets at European crop sites. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 363-383.	2.5	194
49	Place oriented ecological footprint analysis â€“ The case of Israel's grain supply. <i>Ecological Economics</i> , 2010, 69, 1639-1645.	2.9	34
50	Assessing and mapping topsoil organic carbon stock at regional scale: A scorpan kriging approach conditional on soil map delineations and land use. <i>Land Degradation and Development</i> , 2010, 21, 565-581.	1.8	45
51	Greenhouse gas emissions from nitrogen fertilizer use in China. <i>Environmental Science and Policy</i> , 2010, 13, 688-694.	2.4	152
52	Quantifying the effect of interactions between disease control, nitrogen supply and land use change on the greenhouse gas emissions associated with wheat production. <i>Plant Pathology</i> , 2010, 59, 753-763.	1.2	29
53	Greenhouse Gas Mitigation Economics for Irrigated Cropping Systems in Northeastern Colorado. <i>Soil Science Society of America Journal</i> , 2010, 74, 446-452.	1.2	28
54	Nitrous oxide and methane fluxes in south Brazilian gleysol as affected by nitrogen fertilizers. <i>Revista Brasileira De Ciencia Do Solo</i> , 2010, 34, 1653-1665.	0.5	44
55	Ex-ante greenhouse gas balance of agriculture and forestry development programs. <i>Scientia Agricola</i> , 2010, 67, 31-40.	0.6	35
56	Enhancing Eco-efficiency in Agroecosystems through Soil Carbon Sequestration. <i>Crop Science</i> , 2010, 50, S-120.	0.8	132
57	An assessment of greenhouse gas emissions from the Australian vegetables industry. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2010, 45, 578-588.	0.7	57
58	Economic and environmental impacts of the corn grain ethanol industry on the United States agricultural sector. <i>Journal of Soils and Water Conservation</i> , 2010, 65, 267-279.	0.8	27

#	ARTICLE	IF	CITATIONS
59	Terrestrial sequestration of carbon dioxide (CO <sub>2</sub> ). , 2010, , 271-303.		3
60	Managing Soils and Ecosystems for Mitigating Anthropogenic Carbon Emissions and Advancing Global Food Security. <i>BioScience</i> , 2010, 60, 708-721.	2.2	384
61	Carbon sequestration and greenhouse gas emissions in urban turf. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	83
62	Correction to "Carbon sequestration and greenhouse gas emissions in urban turf" <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	21
63	Energy Efficiency of Conventional, Organic, and Alternative Cropping Systems for Food and Fuel at a Site in the U.S. Midwest. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4006-4011.	4.6	84
64	A comparative analysis of water application and energy consumption at the irrigated field level. <i>Agricultural Water Management</i> , 2010, 97, 1477-1485.	2.4	102
65	Net greenhouse gas fluxes in Brazilian ethanol production systems. <i>GCB Bioenergy</i> , 2010, 2, 37-44.	2.5	53
66	An integrative modeling framework to evaluate the productivity and sustainability of biofuel crop production systems. <i>GCB Bioenergy</i> , 2010, 2, 258-277.	2.5	106
67	Benchmarking the Environmental Performance of the <i>Jatropha</i> Biodiesel System through a Generic Life Cycle Assessment. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5447-5453.	4.6	30
68	Greenhouse-gas emissions from energy use in the water sector. <i>Nature Climate Change</i> , 2011, 1, 210-219.	8.1	333
69	Soil Health and Climate Change: An Overview. <i>Soil Biology</i> , 2011, , 3-24.	0.6	16
70	Does the adoption of zero tillage reduce greenhouse gas emissions? An assessment for the grains industry in Australia. <i>Agricultural Systems</i> , 2011, 104, 451-458.	3.2	58
71	Building a climate resilient farm: A risk based approach for understanding water, energy and emissions in irrigated agriculture. <i>Agricultural Systems</i> , 2011, 104, 729-745.	3.2	27
72	Do Mitigation Strategies Reduce Global Warming Potential in the Northern U.S. Corn Belt?. <i>Journal of Environmental Quality</i> , 2011, 40, 1551-1559.	1.0	34
73	Estimating Net Carbon Emissions and Agricultural Response to Potential Carbon Offset Policies. <i>Agronomy Journal</i> , 2011, 103, 1132-1143.	0.9	27
74	The Impact of Reducing Greenhouse Gas Emissions in Crop Agriculture: A Spatial-and Production-Level Analysis. <i>Agricultural and Resource Economics Review</i> , 2011, 40, 63-80.	0.6	27
75	Measuring and locating footprints: A case study of Taiwan's rice and wheat consumption footprint. <i>Ecological Economics</i> , 2011, 71, 191-201.	2.9	13
76	Energy utilization and carbon dioxide emission in the fresh, paste, whole-peeled, diced, and juiced tomato production processes. <i>Energy</i> , 2011, 36, 5101-5110.	4.5	62

#	ARTICLE	IF	CITATIONS
77	Energy and exergy utilization, and carbon dioxide emission in vegetable oil production. <i>Energy</i> , 2011, 36, 5954-5967.	4.5	82
78	Confronting the climate change challenge: discussing the role of rural India under cumulative emission budget approach. <i>Environmental Science and Policy</i> , 2011, 14, 1103-1112.	2.4	3
79	Life cycle assessment of small-scale high-input Jatropha biodiesel production in India. <i>Applied Energy</i> , 2011, 88, 4831-4839.	5.1	50
80	Lowering carbon footprint of durum wheat by diversifying cropping systems. <i>Field Crops Research</i> , 2011, 122, 199-206.	2.3	174
81	Carbon footprint of China's crop production—An estimation using agro-statistics data over 1993–2007. <i>Agriculture, Ecosystems and Environment</i> , 2011, 142, 231-237.	2.5	192
82	Greenhouse gas taxes on animal food products: rationale, tax scheme and climate mitigation effects. <i>Climatic Change</i> , 2011, 108, 159-184.	1.7	173
83	Greenhouse gas emissions from rice based cropping systems: Economic and technologic challenges and opportunities. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 597-615.	1.0	18
84	Carbon budgeting in golf course soils of Central Ohio. <i>Urban Ecosystems</i> , 2011, 14, 771-781.	1.1	38
85	Agricultural policy and its impact on fuel usage: Empirical evidence from farm household analysis. <i>Applied Energy</i> , 2011, 88, 348-353.	5.1	9
86	Strategies for reducing the carbon footprint of field crops for semiarid areas. A review. <i>Agronomy for Sustainable Development</i> , 2011, 31, 643-656.	2.2	147
87	Cool Farm Tool – Potato: Model Description and Performance of Four Production Systems. <i>Potato Research</i> , 2011, 54, 355-369.	1.2	37
88	A farm-focused calculator for emissions from crop and livestock production. <i>Environmental Modelling and Software</i> , 2011, 26, 1070-1078.	1.9	179
89	Sequestering carbon in soils of agro-ecosystems. <i>Food Policy</i> , 2011, 36, S33-S39.	2.8	342
90	A Study on the Net Greenhouse Gas Emissions under Intensive High-yielding Cropland in North China-A Case Study of Winter Wheat-Summer Maize Rotation System in Huantai County. <i>Energy Procedia</i> , 2011, 5, 785-792.	1.8	8
91	Development of energy and emission parameters for densified form of lignocellulosic biomass. <i>Energy</i> , 2011, 36, 2716-2732.	4.5	40
92	EUE (energy use efficiency) of cropping systems for a sustainable agriculture. <i>Energy</i> , 2011, 36, 4468-4481.	4.5	197
93	Effects of tillage treatments on energy-use efficiency of winter wheat and summer corn cropping systems in north China. , 2011, , .		2
94	Study of construction and development technical framework in irrigation district based on low carbon economy developmental models. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
95	Carbon Footprint and Sustainability of Agricultural Production Systems in India. <i>Journal of Crop Improvement</i> , 2011, 25, 303-322.	0.9	19
96	Carbon, Nitrogen, and Greenhouse Gas Balances in an 18-Year Cropping System Study on the Northern Great Plains. <i>Soil Science Society of America Journal</i> , 2011, 75, 1493-1502.	1.2	16
97	Evaluation of Soil Carbon Sequestration Potential under Conservation Tillage in Double Rice Cropping Region with DNDC Model. , 2012, , .		1
98	Agronomic and Ecological Implications of Biofuels. <i>Advances in Agronomy</i> , 2012, 117, 1-50.	2.4	23
99	Carbon Sequestration in Urban Ecosystems. , 2012, , .		41
100	Development and Application of the EPIC Model for Carbon Cycle, Greenhouse Gas Mitigation, and Biofuel Studies. , 2012, , 293-308.		32
101	Challenges and opportunities for mitigating nitrous oxide emissions from fertilized cropping systems. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 562-570.	1.9	220
102	Exploring energy consumption and CO2 emission of cotton production in Iran. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, .	0.8	33
103	China's water-energy nexus: greenhouse-gas emissions from groundwater use for agriculture. <i>Environmental Research Letters</i> , 2012, 7, 014035.	2.2	152
104	Climate change, water security and the need for integrated policy development: the case of on-farm infrastructure investment in the Australian irrigation sector. <i>Environmental Research Letters</i> , 2012, 7, 034006.	2.2	32
105	AN ANALYSIS OF CARBON FOOTPRINT OF VEGETABLE PRODUCTION IN JIANGSU, CHINA. <i>Acta Horticulturae</i> , 2012, , 203-210.	0.1	1
106	The carbon footprint of maize production as affected by nitrogen fertilizer and maize-legume rotations. <i>Nutrient Cycling in Agroecosystems</i> , 2012, 94, 15-31.	1.1	100
107	Irrigated Agriculture in Spain: Diagnosis and Prescriptions for Improved Governance. <i>International Journal of Water Resources Development</i> , 2012, 28, 57-72.	1.2	14
108	Including the costs of water and greenhouse gas emissions in a reassessment of the profitability of irrigation. <i>Agricultural Water Management</i> , 2012, 103, 25-32.	2.4	21
109	Integrated analysis for a carbon- and water-constrained future: An assessment of drip irrigation in a lettuce production system in eastern Australia. <i>Journal of Environmental Management</i> , 2012, 111, 220-226.	3.8	21
110	Energy consumption and CO2 emissions analysis of potato production based on different farm size levels in Iran. <i>Journal of Cleaner Production</i> , 2012, 33, 183-191.	4.6	203
111	CO2 emissions from farm inputs – Case study of wheat production in Canterbury, New Zealand. <i>Environmental Pollution</i> , 2012, 171, 126-132.	3.7	32
112	From global to place oriented hectares – The case of Israel's wheat ecological footprint and its implications for sustainable resource supply. <i>Ecological Indicators</i> , 2012, 16, 51-57.	2.6	15

#	ARTICLE	IF	CITATIONS
113	The carbon budget of a winter wheat field: An eddy covariance analysis of seasonal and inter-annual variability. <i>Agricultural and Forest Meteorology</i> , 2012, 165, 114-126.	1.9	101
114	Quantification of greenhouse gas emissions from open field-grown Florida tomato production. <i>Agricultural Systems</i> , 2012, 113, 64-72.	3.2	31
115	The potential of enhanced weathering in the UK. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 229-243.	2.3	151
116	Integrating Ecology and Poverty Reduction. , 2012, , .		2
117	No-till reduces global warming potential in a subtropical Ferralsol. <i>Plant and Soil</i> , 2012, 361, 359-373.	1.8	41
118	Greenhouse Gas Mitigation with Agricultural Land Management Activities in the United Statesâ€”A Side-by-Side Comparison of Biophysical Potential. <i>Advances in Agronomy</i> , 2012, , 79-179.	2.4	25
119	Model for the economic, energy and environmental evaluation in biomass productions. <i>Journal of Agricultural Engineering</i> , 2012, 43, 5.	0.7	1
120	How Potential Carbon Policies Could Affect Where and How Cotton Is Produced in the United States. <i>Agricultural and Resource Economics Review</i> , 2012, 41, 215-231.	0.6	5
121	Impacts of chemical crop protection applications on related CO <sub>2</sub> emissions and CO <sub>2</sub> assimilation of crops. <i>Pest Management Science</i> , 2012, 68, 1458-1466.	1.7	2
122	ENERGY AND GREENHOUSE GAS EMISSION ACCOUNTING FRAMEWORK FOR GROUNDWATER USE IN AGRICULTURE. <i>Irrigation and Drainage</i> , 2012, 61, 542-554.	0.8	16
123	The Potential Environmental Benefits of Coâ€”Operative Businesses Within the Climate Change Agenda. <i>Business Strategy and the Environment</i> , 2012, 21, 197-210.	8.5	11
124	Carbon footprint of spring barley in relation to preceding oilseeds and N fertilization. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 635-645.	2.2	42
125	Life cycle assessment of a field-grown red maple tree to estimate its carbon footprint components. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 453-462.	2.2	30
126	Net ecosystem carbon budget, net global warming potential and greenhouse gas intensity in intensive vegetable ecosystems in China. <i>Agriculture, Ecosystems and Environment</i> , 2012, 150, 27-37.	2.5	78
127	A 3-year record of N <sub>2</sub> O and CH <sub>4</sub> emissions from a sandy loam paddy during rice seasons as affected by different nitrogen application rates. <i>Agriculture, Ecosystems and Environment</i> , 2012, 152, 1-9.	2.5	139
128	Conservation agriculture in dry areas of Morocco. <i>Field Crops Research</i> , 2012, 132, 84-94.	2.3	88
129	Identity-based estimation of greenhouse gas emissions from crop production: Case study from Denmark. <i>European Journal of Agronomy</i> , 2012, 41, 66-72.	1.9	17
130	Assessing eco-efficiency with directional distance functions. <i>European Journal of Operational Research</i> , 2012, 220, 798-809.	3.5	225



#	ARTICLE	IF	CITATIONS
131	Energy utilization, carbon dioxide emission, and exergy loss in flavored yogurt production process. <i>Energy</i> , 2012, 40, 214-225.	4.5	62
132	Economic, energetic and environmental impact in short rotation coppice harvesting operations. <i>Biomass and Bioenergy</i> , 2012, 42, 107-113.	2.9	65
133	Economic and greenhouse gas costs of <i>Miscanthus</i> supply chains in the United Kingdom. <i>GCB Bioenergy</i> , 2012, 4, 358-363.	2.5	21
134	Adapting Smallholder Agriculture to Climate Change. <i>IDS Bulletin</i> , 2012, 43, 113-121.	0.4	0
135	Carbon footprint of canola and mustard is a function of the rate of N fertilizer. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 58-68.	2.2	50
136	Characterization of Swine Wastewater by Toxicity Identification Evaluation Methodology (TIE). <i>Water, Air, and Soil Pollution</i> , 2012, 223, 363-369.	1.1	26
137	Food security, climate change, and sustainable land management. A review. <i>Agronomy for Sustainable Development</i> , 2013, 33, 635-650.	2.2	160
138	Greenhouse gas mitigation with scarce land: The potential contribution of increased nitrogen input. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2013, 18, 921-932.	1.0	8
139	Soil carbon management and climate change. <i>Carbon Management</i> , 2013, 4, 439-462.	1.2	116
140	Sustainable Agriculture Reviews. <i>Sustainable Agriculture Reviews</i> , 2013, , .	0.6	8
141	Energy consumption for crop irrigation in a semiarid climate (south-eastern Spain). <i>Energy</i> , 2013, 55, 1084-1093.	4.5	38
142	Crop Improvement Under Adverse Conditions. , 2013, , .		12
144	Mitigation potential of greenhouse gases under different scenarios of optimal synthetic nitrogen application rate for grain crops in China. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 96, 15-28.	1.1	9
145	Net Carbon Sequestration Potential and Emissions in Home Lawn Turfgrasses of the United States. <i>Environmental Management</i> , 2013, 51, 198-208.	1.2	71
146	Remote Sensing of Soil and Water Quality in Agroecosystems. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	17
147	Ecosystem Services and Carbon Sequestration in the Biosphere. , 2013, , .		27
148	Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change. <i>Environmental Science and Engineering</i> , 2013, , .	0.1	5
149	Carbon Sequestration Potential and Farming Income. <i>Engineering in Agriculture, Environment and Food</i> , 2013, 6, 68-76.	0.2	7

#	ARTICLE	IF	CITATIONS
150	Influence of farmyard manure application and mineral fertilization on yield sustainability, carbon sequestration potential and soil property of garden peaâ€“french bean cropping system in the Indian Himalayas. <i>Scientia Horticulturae</i> , 2013, 164, 414-427.	1.7	23
151	A comparison of carbon accounting tools for arable crops in the United Kingdom. <i>Environmental Modelling and Software</i> , 2013, 46, 228-239.	1.9	70
152	Energy consumption and CO2 emissions in rainfed agricultural production systems of Northeast Thailand. <i>Agricultural Systems</i> , 2013, 116, 25-36.	3.2	121
153	Water and Energy Consumption by Agriculture in the Minqin Oasis Region. <i>Journal of Integrative Agriculture</i> , 2013, 12, 1330-1340.	1.7	21
154	Prognostication of environmental indices in potato production using artificial neural networks. <i>Journal of Cleaner Production</i> , 2013, 52, 402-409.	4.6	71
155	Bringing Ecosystem Services into Economic Decision-Making: Land Use in the United Kingdom. <i>Science</i> , 2013, 341, 45-50.	6.0	813
156	Reduction of CO2 emission by improving energy use efficiency of greenhouse cucumber production using DEA approach. <i>Energy</i> , 2013, 55, 676-682.	4.5	113
157	A Lifecycle Model to Evaluate Carbon Sequestration Potential and Greenhouse Gas Dynamics of Managed Grasslands. <i>Ecosystems</i> , 2013, 16, 962-979.	1.6	45
158	Applying data envelopment analysis approach to improve energy efficiency and reduce GHG (greenhouse gas) emission of wheat production. <i>Energy</i> , 2013, 58, 588-593.	4.5	97
159	Potential greenhouse gas emission reductions in soybean farming: a combined use of Life Cycle Assessment and Data Envelopment Analysis. <i>Journal of Cleaner Production</i> , 2013, 54, 89-100.	4.6	147
160	On the study of energy use and GHG (greenhouse gas) emissions in greenhouse cucumber production in Yazd province. <i>Energy</i> , 2013, 59, 63-71.	4.5	63
161	A sustainable model for the management of olive orchards located in semi-arid marginal areas: Some remarks and indications for policy makers. <i>Environmental Science and Policy</i> , 2013, 27, 81-90.	2.4	51
162	Impact of four tillage permutations in riceâ€“wheat system on GHG performance of wheat cultivation through carbon footprinting. <i>Ecological Engineering</i> , 2013, 60, 261-270.	1.6	20
163	Comparison of three tillage systems in the wheat-maize system on carbon sequestration in the North China Plain. <i>Journal of Cleaner Production</i> , 2013, 54, 101-107.	4.6	58
164	Signatures of Cool Gas Fueling a Star-Forming Galaxy at Redshift 2.3. <i>Science</i> , 2013, 341, 50-53.	6.0	186
165	Climate change and water security: Estimating the greenhouse gas costs of achieving water security through investments in modern irrigation technology. <i>Agricultural Systems</i> , 2013, 117, 78-89.	3.2	44
166	Analysing the energy balances of sugar beet cultivation in commercial farms in Germany. <i>European Journal of Agronomy</i> , 2013, 45, 27-38.	1.9	32
167	Balancing nitrogen retention ecosystem services and greenhouse gas disservices at the landscape scale. <i>Ecological Engineering</i> , 2013, 56, 26-35.	1.6	51

#	ARTICLE	IF	CITATIONS
168	Estimation of net greenhouse gas balance using crop- and soil-based approaches: Two case studies. <i>Science of the Total Environment</i> , 2013, 456-457, 299-306.	3.9	56
169	Agriculture and greenhouse gases, a common tragedy. A review. <i>Agronomy for Sustainable Development</i> , 2013, 33, 275-289.	2.2	57
170	Sustainable bioenergy production from marginal lands in the US Midwest. <i>Nature</i> , 2013, 493, 514-517.	13.7	612
171	Assessing the Environmental Benefits of Compost Use-on-Land through an LCA Perspective. <i>Sustainable Agriculture Reviews</i> , 2013, , 255-318.	0.6	17
172	Assessing land cover and soil quality by remote sensing and geographical information systems (GIS). <i>Catena</i> , 2013, 104, 77-92.	2.2	65
173	The economics of oil, biofuel and food commodities. <i>Resources and Energy Economics</i> , 2013, 35, 599-617.	1.1	45
174	Greenhouse Gases Emission from Rice Paddy Ecosystem and their Management. , 2013, , 65-89.		3
175	Energy inputs and greenhouse gases emissions in wheat production in Gorgan, Iran. <i>Energy</i> , 2013, 50, 54-61.	4.5	96
176	Modeling of energy consumption and GHG (greenhouse gas) emissions in wheat production in Esfahan province of Iran using artificial neural networks. <i>Energy</i> , 2013, 52, 333-338.	4.5	165
177	Capturing synergies between rural development and agricultural mitigation in Brazil. <i>Land Use Policy</i> , 2013, 30, 507-518.	2.5	27
178	Enhancing ecosystem services with no-till. <i>Renewable Agriculture and Food Systems</i> , 2013, 28, 102-114.	0.8	67
179	Energy consumption and greenhouse gas emissions of biodiesel production from rapeseed in Iran. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	0.8	18
180	Embedded Seed Technology and Greenhouse Gas Emissions Reductions: A Meta-Analysis. <i>Journal of Agricultural &amp; Applied Economics</i> , 2013, 45, 523-535.	0.8	2
181	Assessing the GMO debate in Turkey: The Case of Cotton Farming. <i>New Perspectives on Turkey</i> , 2013, 49, 5-29.	0.3	2
182	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
183	Carbon Cost of Rice on State-Operated Farm in Northeast China Plain. <i>Advanced Materials Research</i> , 2013, 869-870, 1034-1038.	0.3	0
184	Carbon Footprint of Spring Maize Production System on State-Operated Farm in Northeast China Plain. <i>Applied Mechanics and Materials</i> , 2013, 448-453, 4508-4513.	0.2	0
185	Assessment the effect of wheat farm sizes on energy consumption and CO2 emission. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	0.8	36

#	ARTICLE	IF	CITATIONS
186	Carbon farming in hot, dry coastal areas: an option for climate change mitigation. <i>Earth System Dynamics</i> , 2013, 4, 237-251.	2.7	55
187	Urban Environment. , 2013, , .		8
188	Energy Use and Greenhouse Gas Emissions from Crop Production Using the Farm Energy Analysis Tool. <i>BioScience</i> , 2013, 63, 263-273.	2.2	142
189	Greenhouse Gas Emissions from Agricultural Soils: Sources and Mitigation Potential. <i>Journal of Crop Improvement</i> , 2013, 27, 752-772.	0.9	22
190	Resource use and GHG emissions of eight tropical fruit species cultivated in Colombia. <i>Fruits</i> , 2013, 68, 303-314.	0.3	23
191	Simulation of Nitrous Oxide Emissions and Estimation of Global Warming Potential in Turfgrass Systems Using the DAYCENT Model. <i>Journal of Environmental Quality</i> , 2013, 42, 1100-1108.	1.0	44
192	Soil-Specific Inventories of Landscape Carbon and Nitrogen Stocks under No-till and Native Vegetation to Estimate Carbon Offset in a Subtropical Ecosystem. <i>Soil Science Society of America Journal</i> , 2013, 77, 2094-2110.	1.2	22
193	Implications of Inorganic Fertilization of Irrigated Corn on Soil Properties: Lessons Learned after 50 Years. <i>Journal of Environmental Quality</i> , 2013, 42, 861-871.	1.0	55
194	Energy analysis and life cycle assessment of wheat production in Iran. <i>African Journal of Agricultural Research Vol Pp</i> , 2013, 8, 1929-1939.	0.2	19
195	Using Irrigation to Manage Weeds: A Focus on Drip Irrigation. , 0, , .		8
196	Environmental Bio Economic Impact in Nicaragua. <i>Journal of Agricultural Studies</i> , 2013, 1, 53.	0.2	1
197	How Greenhouse Gas Emission Policy and Industry Pressure Could Affect Producer Selection of Rice Cultivars. <i>Agricultural and Resource Economics Review</i> , 2013, 42, 325-348.	0.6	7
198	Net Global Warming Potential and Greenhouse Gas Intensity Affected by Cropping Sequence and Nitrogen Fertilization. <i>Soil Science Society of America Journal</i> , 2014, 78, 248-261.	1.2	28
199	Environmental Aspects Of Organic Farming. , 0, , .		3
200	Estimating Cultivar Effects on Water Usage and Greenhouse Gas Emissions in Rice Production. <i>Agronomy Journal</i> , 2014, 106, 1981-1992.	0.9	9
201	A simplified method for the assessment of carbon balance in agriculture: an application in organic and conventional micro-agroecosystems in a long-term experiment in Tuscany, Italy. <i>Italian Journal of Agronomy</i> , 2014, 9, 55.	0.4	9
202	Diesel oil consumption, work duration, and crop production of corn and durum wheat under conventional and no-tillage in southeastern France. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 1067-1076.	1.3	7
203	Early weed control can increase long-term growth, yield and carbon sequestration of Sitka spruce stands in Britain. <i>Forestry</i> , 2014, 87, 425-436.	1.2	4

#	ARTICLE	IF	CITATIONS
204	Green Supplier Selection in Edible oil Production by a Hybrid Model Using Delphi Method and Green Data Envelopment Analysis (GDEA). <i>Management and Production Engineering Review</i> , 2014, 5, 3-8.	1.4	12
205	Improving farming practices reduces the carbon footprint of spring wheat production. <i>Nature Communications</i> , 2014, 5, 5012.	5.8	215
206	Aboveground productivity and soil carbon storage of biofuel crops in Ohio. <i>GCB Bioenergy</i> , 2014, 6, 67-75.	2.5	37
207	Assessing the Accuracy of Soil and Water Quality Characterization Using Remote Sensing. <i>Water Resources Management</i> , 2014, 28, 5091-5109.	1.9	15
208	A Comparative Analysis of Relevant Crop Carbon Footprint Calculators, with Reference to Cotton Production in Australia. <i>Agroecology and Sustainable Food Systems</i> , 2014, 38, 962-992.	1.0	7
209	Carbon Footprint Estimation in the Agriculture Sector. <i>Ecoproduction</i> , 2014, , 25-47.	0.8	35
210	Carbon Footprint and Sustainability of the Smallholder Agricultural Production Systems in Ethiopia. <i>Journal of Crop Improvement</i> , 2014, 28, 700-714.	0.9	7
211	Optimization of energy required and greenhouse gas emissions analysis for orange producers using data envelopment analysis approach. <i>Journal of Cleaner Production</i> , 2014, 65, 311-317.	4.6	138
212	Comparison of energy consumption and GHG emissions of open field and greenhouse strawberry production. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 316-324.	8.2	90
213	Soil gaseous N <sub>2</sub> O and CH <sub>4</sub> emissions and carbon pool due to integrated crop-livestock in a subtropical Ferralsol. <i>Agriculture, Ecosystems and Environment</i> , 2014, 190, 87-93.	2.5	41
214	Financing Sustainable Agriculture Under Climate Change. <i>Journal of Integrative Agriculture</i> , 2014, 13, 698-712.	1.7	28
215	Reducing agricultural carbon footprint through diversified crop rotation systems in the North China Plain. <i>Journal of Cleaner Production</i> , 2014, 76, 131-139.	4.6	161
216	A metafrontier directional distance function approach to assessing eco-efficiency. <i>Journal of Productivity Analysis</i> , 2014, 41, 69-83.	0.8	71
217	Valuing Climate Change Effects Upon UK Agricultural GHG Emissions: Spatial Analysis of a Regulating Ecosystem Service. <i>Environmental and Resource Economics</i> , 2014, 57, 215-231.	1.5	16
218	Soil as World Heritage. , 2014, , .		5
219	CO <sub>2</sub> emissions from household consumption in India between 1993-94 and 2006-07: A decomposition analysis. <i>Energy Economics</i> , 2014, 41, 90-105.	5.6	107
220	Energy-economic life cycle assessment (LCA) and greenhouse gas emissions analysis of olive oil production in Iran. <i>Energy</i> , 2014, 66, 139-149.	4.5	95
221	Superior differentiation of arbuscular mycorrhizal fungal communities from till and no-till plots by morphological spore identification when compared to T-RFLP. <i>Soil Biology and Biochemistry</i> , 2014, 72, 88-96.	4.2	89

#	ARTICLE	IF	CITATIONS
222	Application of artificial neural networks for prediction of output energy and GHG emissions in potato production in Iran. <i>Agricultural Systems</i> , 2014, 123, 120-127.	3.2	63
223	Carbon emission and sequestration of urban turfgrass systems in Hong Kong. <i>Science of the Total Environment</i> , 2014, 473-474, 132-138.	3.9	49
224	A mixed-integer optimization model for the economic and environmental analysis of biomass production. <i>Biomass and Bioenergy</i> , 2014, 67, 8-23.	2.9	39
225	Energy use efficiency and greenhouse gas emissions of farming systems in north Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 724-733.	8.2	126
226	Integrated evaluation of energy use, greenhouse gas emissions and global warming potential for sugar beet ( <i>Beta vulgaris</i> ) agroecosystems in Iran. <i>Atmospheric Environment</i> , 2014, 92, 501-505.	1.9	47
227	Yield Gaps and Ecological Footprints of Potato Production Systems in Chile. <i>Potato Research</i> , 2014, 57, 13-31.	1.2	44
228	Energy life-cycle assessment and CO <sub>2</sub> emissions analysis of soybean-based biodiesel: a case study. <i>Journal of Cleaner Production</i> , 2014, 66, 233-241.	4.6	54
229	Biogas as a sustainable energy source for developing countries: Opportunities and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 846-859.	8.2	425
230	Energy and carbon embodied in straw and clay wall blocks produced locally in the Andean Patagonia. <i>Energy and Buildings</i> , 2014, 70, 15-22.	3.1	49
231	Energy and greenhouse-gas emissions in irrigated agriculture of SE (southeast) Spain. Effects of alternative water supply scenarios. <i>Energy</i> , 2014, 77, 478-488.	4.5	54
232	Energy use and carbon dioxide emission analysis in sugarcane farms: a survey on Haft-Tappeh Sugarcane Agro-Industrial Company in Iran. <i>Journal of Cleaner Production</i> , 2014, 83, 212-219.	4.6	21
233	Assessment of carbon sustainability under different tillage systems in a double rice cropping system in Southern China. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1581-1592.	2.2	46
234	Applying data envelopment analysis approach to improve energy efficiency and reduce greenhouse gas emission of rice production. <i>Engineering in Agriculture, Environment and Food</i> , 2014, 7, 155-162.	0.2	48
235	Economic and Greenhouse Gas Efficiency of Honey Mesquite Relative to Other Energy Feedstocks for Bioenergy Uses in the Southern Great Plains. <i>Bioenergy Research</i> , 2014, 7, 1493-1505.	2.2	9
236	Soil quality evaluation under different land management practices. <i>Environmental Earth Sciences</i> , 2014, 72, 4531-4549.	1.3	33
237	Energy consumption, greenhouse gas emissions and assessment of sustainability index in corn agroecosystems of Iran. <i>Science of the Total Environment</i> , 2014, 493, 330-335.	3.9	35
238	Mine spoil acts as a sink of carbon dioxide in Indian dry tropical environment. <i>Science of the Total Environment</i> , 2014, 468-469, 1162-1171.	3.9	54
239	Research on Spatial-Temporal Characteristics and Driving Factor of Agricultural Carbon Emissions in China. <i>Journal of Integrative Agriculture</i> , 2014, 13, 1393-1403.	1.7	138

#	ARTICLE	IF	CITATIONS
240	Effects of biosolids on biodiesel crop yield and belowground communities. <i>Ecological Engineering</i> , 2014, 68, 270-278.	1.6	8
241	Determination of efficient and inefficient greenhouse cucumber producers using Data Envelopment Analysis approach, a case study: Jiroft city in Iran. <i>Journal of Cleaner Production</i> , 2014, 79, 108-115.	4.6	40
242	Net Global Warming Potential and Greenhouse Gas Intensity Influenced by Irrigation, Tillage, Crop Rotation, and Nitrogen Fertilization. <i>Journal of Environmental Quality</i> , 2014, 43, 777-788.	1.0	50
243	Energy and greenhouse gas intensity of corn ( <i>Zea mays</i> L.) production in Ontario: A regional assessment. <i>Canadian Journal of Soil Science</i> , 2014, 94, 77-95.	0.5	47
244	GHG balance of biodiesel production and consumption in EU. <i>International Journal of Global Energy Issues</i> , 2014, 37, 191.	0.2	4
245	ON-FARM ECONOMIC AND ENVIRONMENTAL IMPACT OF ZERO-TILLAGE WHEAT: A CASE OF NORTH-WEST INDIA. <i>Experimental Agriculture</i> , 2015, 51, 1-16.	0.4	93
246	ANALYSIS OF PASTURE SYSTEMS TO MAXIMIZE THE PROFITABILITY AND SUSTAINABILITY OF GRASS-FED BEEF PRODUCTION. <i>Journal of Agricultural &amp; Applied Economics</i> , 2015, 47, 193-212.	0.8	7
248	The Science of Carbon Footprint Assessment. , 2015, , 22-63.		2
249	End of Life Scenarios and the Carbon Footprint of Wood Cladding. , 2015, , 104-119.		0
250	Environmental impacts of food supply and obesogenic severity worldwide. <i>British Food Journal</i> , 2015, 117, 2863-2879.	1.6	8
251	Environmental Benefits of Improved Water and Nitrogen Management in Irrigated Sugar Cane: A Combined Crop Modelling and Life Cycle Assessment Approach. <i>Irrigation and Drainage</i> , 2015, 64, 241-252.	0.8	14
252	Where to Target Conservation Agriculture for African Smallholders? How to Overcome Challenges Associated with its Implementation? Experience from Eastern and Southern Africa. <i>Environments - MDPI</i> , 2015, 2, 338-357.	1.5	48
253	Ecosystem services in relation to carbon cycle of Asansolâ€“Durgapur urban system, India. <i>Developments in Environmental Modelling</i> , 2015, 27, 247-269.	0.3	2
254	Carbon Footprint Analysis for Mechanization of Maize Production Based on Life Cycle Assessment: A Case Study in Jilin Province, China. <i>Sustainability</i> , 2015, 7, 15772-15784.	1.6	45
255	The Impact of Agro-Economic Factors on GHG Emissions: Evidence from European Developing and Advanced Economies. <i>Sustainability</i> , 2015, 7, 16290-16310.	1.6	24
256	Soil carbon management in large-scale Earth system modelling: implications for crop yields and nitrogen leaching. <i>Earth System Dynamics</i> , 2015, 6, 745-768.	2.7	40
257	The Turfgrass Industry. , 2015, , 37-103.		5
258	Priorities in Soil Carbon Research in Response to Climate Change. <i>SSSA Special Publication Series</i> , 0, , 401-410.	0.2	4

#	ARTICLE	IF	CITATIONS
259	Trade-offs and synergies between water and energy use in rural Australia. , 2015, , 123-140.		2
260	Challenges, Opportunities, and Applications of Grazing Research. <i>Crop Science</i> , 2015, 55, 2540-2549.	0.8	13
261	Evaluation of groundwater-based irrigation systems using a waterâ€“energyâ€“food nexus approach: a case study from Southeast Nepal. <i>Journal of Applied Water Engineering and Research</i> , 2015, 3, 53-66.	1.0	17
262	Impact of conservation agriculture practices on energy use efficiency and global warming potential in rainfed pigeonpeaâ€“castor systems. <i>European Journal of Agronomy</i> , 2015, 66, 30-40.	1.9	93
263	Energy budgeting and carbon footprint of transgenic cottonâ€“wheat production system through peanut intercropping and FYM addition. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 282.	1.3	25
264	Carbon footprint of grain crop production in China â€“ based on farm survey data. <i>Journal of Cleaner Production</i> , 2015, 104, 130-138.	4.6	189
265	A comparative study on carbon footprint of rice production between household and aggregated farms from Jiangxi, China. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 332.	1.3	36
266	Determining efficiency of energy input for silage corn production: An econometric approach. <i>Energy</i> , 2015, 93, 2166-2174.	4.5	16
267	Energy balance and greenhouse gas emissions of dryland camelina as influenced by tillage and nitrogen. <i>Energy</i> , 2015, 91, 1057-1063.	4.5	29
268	Environmental Impacts of Contrasted Groundwater Pumping Systems Assessed by Life Cycle Assessment Methodology: Contribution to the Waterâ€“Energy Nexus Study. <i>Irrigation and Drainage</i> , 2015, 64, 124-138.	0.8	32
269	Challenges and adaptations of farming to climate change in the North China Plain. <i>Climatic Change</i> , 2015, 129, 213-224.	1.7	77
270	The effects of household management practices on the global warming potential of urban lawns. <i>Journal of Environmental Management</i> , 2015, 151, 233-242.	3.8	53
271	Food miles, carbon footprint and global value chains for Spanish agriculture: assessing the impact of a carbon border tax. <i>Journal of Cleaner Production</i> , 2015, 103, 423-436.	4.6	43
272	An analysis of the socio-economic factors influencing the adoption of conservation agriculture as a climate change mitigation activity in Australian dryland grain production. <i>Agricultural Systems</i> , 2015, 135, 20-30.	3.2	33
273	The economic and environmental impacts of precision agriculture and interactions with agro-environmental policy. <i>Precision Agriculture</i> , 2015, 16, 46-61.	3.1	50
274	Attainable CO2 Emission of Ware Potatoes Under High Yield Conditions in Southern Chile. <i>American Journal of Potato Research</i> , 2015, 92, 318-325.	0.5	7
275	Energy consumption and CO 2 analysis of different types of chippers used in wood biomass plantations. <i>Applied Energy</i> , 2015, 156, 686-692.	5.1	27
276	Soybean maturity group selection: Irrigation and nitrogen fixation effects on returns. <i>Field Crops Research</i> , 2015, 180, 1-9.	2.3	11



#	ARTICLE	IF	CITATIONS
277	Application of the Crop Carbon Progress Calculator in a "farm to ship"™ cotton production case study in Australia. <i>Journal of Cleaner Production</i> , 2015, 103, 675-684.	4.6	11
278	Life cycle greenhouse gas analysis of biojet fuels with a technical investigation into their impact on jet engine performance. <i>Biomass and Bioenergy</i> , 2015, 77, 26-44.	2.9	67
279	A system approach to conservation agriculture. <i>Journal of Soils and Water Conservation</i> , 2015, 70, 82A-88A.	0.8	96
280	Carbon benefits of wolfberry plantation on secondary saline land in Jingtai oasis, Gansu " A case study on application of the CBP model. <i>Journal of Environmental Management</i> , 2015, 157, 303-310.	3.8	11
281	Quantification of greenhouse gas emissions for carbon neutral farming in the Southeastern USA. <i>Agricultural Systems</i> , 2015, 137, 64-75.	3.2	18
282	Simulated biomass, environmental impacts and best management practices for long-term switchgrass systems in a semi-arid region. <i>Biomass and Bioenergy</i> , 2015, 75, 254-266.	2.9	18
283	A review of the system of rice intensification in China. <i>Plant and Soil</i> , 2015, 393, 361-381.	1.8	44
284	Greenhouse Gas Emissions Dynamics as Influenced by Corn Residue Removal in Continuous Corn System. <i>Soil Science Society of America Journal</i> , 2015, 79, 612-625.	1.2	27
285	Carbon footprint of crop production in China: an analysis of National Statistics data. <i>Journal of Agricultural Science</i> , 2015, 153, 422-431.	0.6	112
286	Application of Carbon Footprint to an agro-biogas supply chain in Southern Italy. <i>Applied Energy</i> , 2015, 149, 75-88.	5.1	33
287	Energy analysis for faba bean production: A case study in Golestan province, Iran. <i>Sustainable Production and Consumption</i> , 2015, 3, 15-20.	5.7	18
288	Re-examining appropriate mechanization in Eastern and Southern Africa: two-wheel tractors, conservation agriculture, and private sector involvement. <i>Food Security</i> , 2015, 7, 889-904.	2.4	105
289	Greenhouse gas emissions footprint of agricultural production in Guilan province of Iran. <i>Sustainable Energy Technologies and Assessments</i> , 2015, 12, 10-14.	1.7	21
290	Assessment of the energy and exergy efficiencies of farm to fork grain cultivation and bread making processes in Turkey and Germany. <i>Energy</i> , 2015, 93, 421-434.	4.5	33
291	Energy efficiency and economics of rice cultivation systems under subtropical Eastern Himalaya. <i>Energy for Sustainable Development</i> , 2015, 28, 115-121.	2.0	31
292	Seasonal and interannual variations of carbon exchange over a rice-wheat rotation system on the North China Plain. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1365-1380.	1.9	27
293	Greenhouse gas balance from cultivation and direct land use change of recently established sugarcane ( <i>Saccharum officinarum</i> ) plantation in south-central Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 547-556.	8.2	27
294	Energy analyses and greenhouse gas emissions assessment for saffron production cycle. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16184-16201.	2.7	35

#	ARTICLE	IF	CITATIONS
295	Prognostication of energy consumption and greenhouse gas (GHG) emissions analysis of apple production in West Azarbayjan of Iran using Artificial Neural Network. Journal of Cleaner Production, 2015, 87, 159-167.	4.6	73
296	Optimization of the environmental performance of rainfed durum wheat by adjusting the management practices. Journal of Cleaner Production, 2015, 87, 105-118.	4.6	34
297	Greenhouse gas emissions from conventional and organic cropping systems in Spain. I. Herbaceous crops. Agronomy for Sustainable Development, 2015, 35, 713-724.	2.2	89
298	Energy consumption of China's crop production system and the related emissions. Renewable and Sustainable Energy Reviews, 2015, 43, 111-125.	8.2	32
299	Investigation of CO2 emission reduction and improving energy use efficiency of button mushroom production using Data Envelopment Analysis. Journal of Cleaner Production, 2015, 103, 112-119.	4.6	41
300	Crop residue management and soil health: A systems analysis. Agricultural Systems, 2015, 134, 6-16.	3.2	382
301	Integrated assessment of water-energy-GHG emissions tradeoffs in an irrigated lucerne production system in eastern Australia. Journal of Cleaner Production, 2015, 103, 491-498.	4.6	17
302	Energy input for tomato production what economy says, and what is good for the environment. Journal of Cleaner Production, 2015, 89, 99-109.	4.6	40
303	Neural network modeling of energy use and greenhouse gas emissions of watermelon production systems. Journal of the Saudi Society of Agricultural Sciences, 2016, 15, 38-47.	1.0	33
304	Global warming potential and greenhouse gas intensity in rice agriculture driven by high yields and nitrogen use efficiency. Biogeosciences, 2016, 13, 2701-2714.	1.3	41
305	Environmental Efficiency of Chinese Open-Field Grape Production: An Evaluation Using Data Envelopment Analysis and Spatial Autocorrelation. Sustainability, 2016, 8, 1246.	1.6	11
306	Evaluation of Intensive Strategies for Decreasing Nitrous Oxide Emissions and Nitrogen Surplus in Rainfed Corn. Journal of Environmental Quality, 2016, 45, 1186-1195.	1.0	71
307	Greenhouse gas balance related to conventional and sustainable fruit production systems in the Highlands region of Pasto, Colombia. Agronomia Colombiana, 2016, 34, 277-284.	0.1	2
308	Net Global Warming Potential and Greenhouse Gas Intensity. Methods of Soil Analysis, 2016, 1, 1393.	0.8	1
309	Effect of cover crops on greenhouse gas emissions in an irrigated field under integrated soil fertility management. Biogeosciences, 2016, 13, 5245-5257.	1.3	63
310	Carbon Life Cycle Assessment for Prairie as a Crop in Reclaimed Mine Land. Land Degradation and Development, 2016, 27, 1196-1204.	1.8	30
311	Methane and nitrous oxide emissions under no-till farming in China: a meta-analysis. Global Change Biology, 2016, 22, 1372-1384.	4.2	113
312	IRRIGATION AND SULPHUR FERTILIZATION EFFECTS ON THE PRODUCTIVITY, PROFITABILITY AND GREENHOUSE GASES EMISSIONS IN INDIAN MUSTARD. Experimental Agriculture, 2016, 52, 434-446.	0.4	5

#	ARTICLE	IF	CITATIONS
313	Assessment of carbon sequestration and the carbon footprint in olive groves in Southern Spain. <i>Carbon Management</i> , 2016, 7, 161-170.	1.2	23
314	Effects of nitrogen application rates on net annual global warming potential and greenhouse gas intensity in double-rice cropping systems of the Southern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24781-24795.	2.7	19
315	Globalizing Environmental Sustainability: “2015 International Year of Soil”-Transitioning to “2015”-2024 International Decade of Soil”, 2016, , 457-466.		1
316	Assessment and Mitigation of Greenhouse Gas Emissions from Groundwater Irrigation. <i>Irrigation and Drainage</i> , 2016, 65, 762-770.	0.8	15
317	Biochar in the View of Climate Change Mitigation: the FOREBIOM Experience. , 2016, , 1-22.		2
318	Economic and Greenhouse Gas Emission Response to Pasture Species Composition, Stocking Rate, and Weaning Age by Calving Season, Farm Size, and Pasture Fertility. <i>Agricultural and Resource Economics Review</i> , 2016, 45, 98-123.	0.6	3
319	Status of mineral nitrogen fertilization and net mitigation potential of the state fertilization recommendation in Chinese cropland. <i>Agricultural Systems</i> , 2016, 146, 1-10.	3.2	25
320	Applying optimization techniques to improve of energy efficiency and GHG (greenhouse gas) emissions of wheat production. <i>Energy</i> , 2016, 103, 672-678.	4.5	85
321	The conversion of grassland to acacia forest as an effective option for net reduction in greenhouse gas emissions. <i>Journal of Environmental Management</i> , 2016, 169, 91-102.	3.8	15
322	Incorporating the Irrigation Demand Simultaneity in the Optimal Operation of Pressurized Networks with Several Water Supply Points. <i>Water Resources Management</i> , 2016, 30, 1085-1099.	1.9	4
323	Tillage effects on carbon footprint and ecosystem services of climate regulation in a winter wheat”summer maize cropping system of the North China Plain. <i>Ecological Indicators</i> , 2016, 67, 821-829.	2.6	66
324	Soil functions and ecosystem services in conventional, conservation, and integrated agricultural systems. A review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	97
325	Estimation of greenhouse gas (GHG) emission and energy use efficiency (EUE) analysis in rainfed canola production (case study: Golestan province, Iran). <i>Energy</i> , 2016, 116, 694-700.	4.5	50
326	Effects of irrigation and nitrogen fertilization on the greenhouse gas emissions of a cropping system on a sandy soil in northeast Germany. <i>European Journal of Agronomy</i> , 2016, 81, 117-128.	1.9	36
327	Life cycle assessment of phosphorus use efficiency in crop production system of three crops in Chaohu Watershed, China. <i>Journal of Cleaner Production</i> , 2016, 139, 1298-1307.	4.6	19
328	Greenhouse Gas Emissions from U.S. Grain Farms. <i>Journal of Crop Improvement</i> , 2016, 30, 447-477.	0.9	9
329	Determination of efficient and inefficient units for watermelon production-a case study: Guilan province of Iran. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2016, 15, 162-170.	1.0	17
330	Water and Carbon footprint perspective in Italian durum wheat production. <i>Land Use Policy</i> , 2016, 58, 394-402.	2.5	30

#	ARTICLE	IF	CITATIONS
331	Reprint of Alternative cropping systems for greenhouse gases mitigation in rice field: a case study in Phichit province of Thailand. <i>Journal of Cleaner Production</i> , 2016, 134, 547-562.	4.6	8
332	Life cycle assessment of flexibly fed biogas processes for an improved demand-oriented biogas supply. <i>Bioresource Technology</i> , 2016, 219, 536-544.	4.8	33
333	Fertilization Scenarios in Sprinkler-Irrigated Corn under Mediterranean Conditions: Effects on Greenhouse Gas Emissions. <i>Soil Science Society of America Journal</i> , 2016, 80, 662-671.	1.2	30
334	Effects of organic fertilizer on net global warming potential under an intensively managed vegetable field in southeastern China: A three-year field study. <i>Atmospheric Environment</i> , 2016, 145, 92-103.	1.9	45
335	Net global warming potential and greenhouse gas intensity of conventional and conservation agriculture system in rainfed semi arid tropics of India. <i>Atmospheric Environment</i> , 2016, 145, 239-250.	1.9	56
336	Estimating cropland carbon mitigation potentials in China affected by three improved cropland practices. <i>Journal of Mountain Science</i> , 2016, 13, 1840-1854.	0.8	5
337	Dry Matter Losses and Methane Emissions During Wood Chip Storage: the Impact on Full Life Cycle Greenhouse Gas Savings of Short Rotation Coppice Willow for Heat. <i>Bioenergy Research</i> , 2016, 9, 820-835.	2.2	27
338	Expanding the biomass resource: sustainable oil production via fast pyrolysis of low input high diversity biomass and the potential integration of thermochemical and biological conversion routes. <i>Applied Energy</i> , 2016, 177, 852-862.	5.1	39
339	Modeling energy consumption and greenhouse gas emissions for kiwifruit production using artificial neural networks. <i>Journal of Cleaner Production</i> , 2016, 133, 924-931.	4.6	59
340	Energy-use pattern and carbon footprint of rain-fed watermelon production in Iran. <i>Information Processing in Agriculture</i> , 2016, 3, 69-75.	2.9	32
341	Economics, energy, and environmental assessment of diversified crop rotations in sub-Himalayas of India. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 79.	1.3	5
342	Effect of different agricultural practices on carbon emission and carbon stock in organic and conventional olive systems. <i>Soil Research</i> , 2016, 54, 173.	0.6	23
343	Alternative cropping systems for greenhouse gases mitigation in rice field: a case study in Phichit province of Thailand. <i>Journal of Cleaner Production</i> , 2016, 133, 657-671.	4.6	37
344	Changes in soil quality and carbon storage under biofuel crops in central Ohio. <i>Soil Research</i> , 2016, 54, 371.	0.6	18
345	Mitigating greenhouse gas emissions from a subtropical Ultisol by using long-term no-tillage in combination with legume cover crops. <i>Soil and Tillage Research</i> , 2016, 161, 86-94.	2.6	58
346	Carbon footprint of rice production under biochar amendment – a case study in a Chinese rice cropping system. <i>GCB Bioenergy</i> , 2016, 8, 148-159.	2.5	54
347	Climate Change and Agriculture. , 2016, , 465-489.		5
348	Energy and CO2 emissions associated with mechanical planters used in biomass plantations. <i>Biomass and Bioenergy</i> , 2016, 87, 156-161.	2.9	3

#	ARTICLE	IF	CITATIONS
349	Energy and water use for drip-irrigated potato in the middle Anatolian region of Turkey. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 212-220.	1.3	3
350	Reducing greenhouse gas emissions from a wheat-maize rotation system while still maintaining productivity. <i>Agricultural Systems</i> , 2016, 145, 90-98.	3.2	28
351	Effect of tillage and crop (cereal versus legume) on greenhouse gas emissions and Global Warming Potential in a non-irrigated Mediterranean field. <i>Agriculture, Ecosystems and Environment</i> , 2016, 221, 187-197.	2.5	67
352	Preliminary Evaluation of Seaweed Application Effects on Soil Quality and Yield of Sweet Corn ( <i>Zea mays</i> ) in the Mediterranean Region. <i>Journal of Cleaner Production</i> , 2016, 112, 2601-2612.	0.6	12
353	Energy utilization and carbon dioxide emission during production of snacks. <i>Journal of Cleaner Production</i> , 2016, 112, 2601-2612.	4.6	18
354	Greenhouse gas implications of novel and conventional rice production technologies in the Eastern-Gangetic plains. <i>Journal of Cleaner Production</i> , 2016, 112, 3977-3987.	4.6	43
355	Resource management in cropping systems using artificial intelligence techniques: a case study of orange orchards in north of Iran. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 413-427.	1.9	45
356	The carbon footprint and economic impact of precision agriculture technology on a corn and soybean farm. <i>Journal of Environmental Economics and Policy</i> , 2016, 5, 335-348.	1.5	13
357	An overview on energy inputs and environmental emissions of grape production in West Azerbaijan of Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 918-924.	8.2	26
358	Energy and CO <sub>2</sub> analysis of poplar and maize crops for biomass production in north Italy. <i>Renewable Energy</i> , 2016, 86, 675-681.	4.3	34
359	Conservation tillage and sustainable intensification of agriculture: regional vs. global benefit analysis. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 155-165.	2.5	54
360	Lowering carbon footprint of winter wheat by improving management practices in North China Plain. <i>Journal of Cleaner Production</i> , 2016, 112, 149-157.	4.6	84
361	Biomass production and energy balance of herbaceous and woody crops on marginal soils in the Po Valley. <i>GCB Bioenergy</i> , 2017, 9, 31-45.	2.5	76
362	Investigating low-carbon crop production in Guangdong Province, China (1993-2013): a decoupling and decomposition analysis. <i>Journal of Cleaner Production</i> , 2017, 146, 63-70.	4.6	36
363	Effect of different crop management systems on rainfed durum wheat greenhouse gas emissions and carbon footprint under Mediterranean conditions. <i>Journal of Cleaner Production</i> , 2017, 140, 608-621.	4.6	65
364	Conservation Agriculture practices reduce the global warming potential of rainfed low N input semi-arid agriculture. <i>European Journal of Agronomy</i> , 2017, 84, 95-104.	1.9	37
365	Effect of inhibitors and fertigation strategies on GHG emissions, NO fluxes and yield in irrigated maize. <i>Field Crops Research</i> , 2017, 204, 135-145.	2.3	78
366	A two-stage DEA approach for quantifying and analysing the inefficiency of conventional and organic rain-fed cereals in Spain. <i>Journal of Cleaner Production</i> , 2017, 149, 335-348.	4.6	36

#	ARTICLE	IF	CITATIONS
367	Energy flow analysis and estimation of greenhouse gases (GHG) emissions in different scenarios of soybean production (Case study: Gorgan region, Iran). <i>Journal of Cleaner Production</i> , 2017, 149, 621-628.	4.6	27
368	Agroforestry: a sustainable environmental practice for carbon sequestration under the climate change scenarios—a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11177-11191.	2.7	104
369	Woodchip transportation: Climatic and congestion influence on productivity, energy and CO2 emission of agricultural and industrial convoys. <i>Renewable Energy</i> , 2017, 108, 250-259.	4.3	17
370	Evaluation of greenhouse gases emission based on energy consumption in wheat Agroecosystems. <i>Energy Reports</i> , 2017, 3, 37-45.	2.5	37
371	A linguistic group decision-making framework for bid evaluation in mega public projects considering carbon dioxide emissions reduction. <i>Journal of Cleaner Production</i> , 2017, 148, 811-825.	4.6	31
372	Can BECCS deliver sustainable and resource efficient negative emissions?. <i>Energy and Environmental Science</i> , 2017, 10, 1389-1426.	15.6	257
373	Energy conservation and greenhouse gas mitigation under different production systems in rice cultivation. <i>Energy</i> , 2017, 130, 307-317.	4.5	91
374	The using of bibliometric analysis to classify trends and future directions on “smart farm”, 2017, , .		10
375	An integrated analysis of non-renewable energy use, GHG emissions, carbon efficiency of groundnut sole cropping and groundnut-bean intercropping agroecosystems. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1832-1839.	1.3	14
376	Improving carbon balance with climate-resilient management practices in tropical agro-ecosystems of Western India. <i>Carbon Management</i> , 2017, 8, 175-190.	1.2	8
377	Energy budgeting for designing sustainable and environmentally clean/safer cropping systems for rainfed rice fallow lands in India. <i>Journal of Cleaner Production</i> , 2017, 158, 29-37.	4.6	163
378	Balancing GHG mitigation and food security through agricultural recycling systems: Case studies in the North China Plain. <i>Journal of Cleaner Production</i> , 2017, 157, 222-231.	4.6	15
379	Applying data envelopment analysis to evaluation of energy efficiency and decreasing of greenhouse gas emissions of fattening farms. <i>Energy</i> , 2017, 120, 652-662.	4.5	47
380	Tillage and crop residue effects on the energy consumption, input-output costs and greenhouse gas emissions of maize crops. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 108, 323-337.	1.1	24
381	Impacts of technological change on energy use efficiency and GHG mitigation of pomegranate: Application of dynamic data envelopment analysis models. <i>Journal of Cleaner Production</i> , 2017, 162, 1180-1191.	4.6	28
382	Managing the trade-offs among yield increase, water resources inputs and greenhouse gas emissions in irrigated wheat production systems. <i>Journal of Cleaner Production</i> , 2017, 164, 567-574.	4.6	26
383	Energy consumption enhancement and environmental life cycle assessment in paddy production using optimization techniques. <i>Journal of Cleaner Production</i> , 2017, 162, 571-586.	4.6	96
384	Assessing energy efficiencies, economy, and global warming potential (GWP) effects of major crop production systems in Iran: a case study in East Azerbaijan province. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16971-16984.	2.7	10

#	ARTICLE	IF	CITATIONS
385	Assessment of energy and exergy efficiencies and renewability of black tea, instant tea and ice tea production and waste valorization processes. Sustainable Production and Consumption, 2017, 12, 59-77.	5.7	44
386	Greenhouse Gas Mitigation under Agriculture and Livestock Landuse. , 2017, , 343-394.		3
387	Carbon and phosphorus footprint of the cotton production in Xinjiang, China, in comparison to an alternative fibre (Apocynum) from Central Asia. Journal of Cleaner Production, 2017, 148, 490-497.	4.6	37
388	Investigations of energy consumption and greenhouse gas emissions of fattening farms using artificial intelligence methods. Environmental Progress and Sustainable Energy, 2017, 36, 1546-1559.	1.3	15
389	Alleviating global warming potential by soil carbon sequestration: A multi-level straw incorporation experiment from a maize cropping system in Northeast China. Soil and Tillage Research, 2017, 170, 77-84.	2.6	50
390	Water, energy, and food nexus: review of global implementation and simulation model development. Water Policy, 2017, 19, 440-462.	0.7	56
391	Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. Agriculture, Ecosystems and Environment, 2017, 238, 5-24.	2.5	193
392	Carbon Sequestration and Photosynthesis in Newly Established Turfgrass Cover in Central Chile. Agronomy Journal, 2017, 109, 397-405.	0.9	5
393	Energy budgeting and carbon footprint of pearl millet "mustard cropping system under conventional and conservation agriculture in rainfed semi-arid agro-ecosystem. Energy, 2017, 141, 1052-1058.	4.5	63
394	Modeling of yield and environmental impact categories in tea processing units based on artificial neural networks. Environmental Science and Pollution Research, 2017, 24, 26324-26340.	2.7	30
395	Greenhouse Gas Emissions following Conversion of a Reclaimed Minesoil to Bioenergy Crop Production. Land Degradation and Development, 2017, 28, 2563-2573.	1.8	1
396	A synthetic analysis of greenhouse gas emissions from manure amended agricultural soils in China. Scientific Reports, 2017, 7, 8123.	1.6	42
397	Influence of nitrogen fertilization on the net ecosystem carbon budget in a temperate mono-rice paddy. Geoderma, 2017, 306, 58-66.	2.3	25
398	Assesment of the use of zero-emission vehicles and microbial fertilizers in beverage production. Journal of Cleaner Production, 2017, 165, 298-311.	4.6	14
399	Assessment of the energy utilization and carbon dioxide emission reduction potential of the microbial fertilizers. A case study on "farm-to-fork" production chain of Turkish desserts and confections. Journal of Cleaner Production, 2017, 165, 564-578.	4.6	10
400	Thermodynamics analysis for a new approach to agricultural practices: Case of potato production. Journal of Cleaner Production, 2017, 166, 660-667.	4.6	15
402	Effect of tillage, cropping, and mulching pattern on crop yield, soil C and N accumulation, and carbon footprint in a desert oasis farmland. Soil Science and Plant Nutrition, 2017, 63, 599-606.	0.8	18
403	Carbon footprint of sheep production systems in semi-arid zone of Chile: A simulation-based approach of productive scenarios and precipitation patterns. Agricultural Systems, 2017, 157, 22-38.	3.2	15

#	ARTICLE	IF	CITATIONS
404	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
405	Water footprint and carbon footprint of the energy consumption in sunflower agroecosystems. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19827-19834.	2.7	34
406	Energetics, GHG emissions and economics in nitrogen management practices under potato cultivation: a farm-level study. <i>Energy, Ecology and Environment</i> , 2017, 2, 250-258.	1.9	8
407	Carbon footprint of grain production in China. <i>Scientific Reports</i> , 2017, 7, 4126.	1.6	104
408	Urban commercial biogas power plant model for Zambian towns. <i>Renewable Energy</i> , 2017, 103, 1-14.	4.3	21
409	Carbon footprint of smallholder farms in Central Madagascar: The integration of agroecological practices. <i>Journal of Cleaner Production</i> , 2017, 140, 1165-1175.	4.6	36
410	Environmental life cycle assessment of biogas production from marine macroalgal feedstock for the substitution of energy crops. <i>Journal of Cleaner Production</i> , 2017, 140, 977-985.	4.6	55
411	Comparison of greenhouse gas emissions of chemical fertilizer types in China's crop production. <i>Journal of Cleaner Production</i> , 2017, 141, 1267-1274.	4.6	118
412	Life cycle assessment of palm-derived biodiesel in Taiwan. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 959-969.	2.1	7
413	Impact of agricultural practices on energy use and greenhouse gas emissions for South African sugarcane production. <i>Journal of Cleaner Production</i> , 2017, 141, 137-145.	4.6	55
414	Genetic modifications of horticultural plants by induced mutations and transgenic approach. <i>Acta Horticulturae</i> , 2017, , 219-232.	0.1	9
415	The Role of Natural Gas and Renewable Energy in Curbing Carbon Emission: Case Study of the United States. <i>Sustainability</i> , 2017, 9, 600.	1.6	71
416	An Analysis of Decoupling and Influencing Factors of Carbon Emissions from the Transportation Sector in the Beijing-Tianjin-Hebei Area, China. <i>Sustainability</i> , 2017, 9, 722.	1.6	38
417	The Significance of Forests and Algae in CO2 Balance: A Hungarian Case Study. <i>Sustainability</i> , 2017, 9, 857.	1.6	16
418	Decoupling and Decomposition Analysis of Carbon Emissions from Electric Output in the United States. <i>Sustainability</i> , 2017, 9, 886.	1.6	32
419	Reducing Global Warming Potential through Sustainable Intensification of Basmati Rice-Wheat Systems in India. <i>Sustainability</i> , 2017, 9, 1044.	1.6	27
420	Potential of Windbreak Trees to Reduce Carbon Emissions by Agricultural Operations in the US. <i>Forests</i> , 2017, 8, 138.	0.9	7
421	Soil Mapping and Processes Modeling for Sustainable Land Management. , 2017, , 29-60.		21



#	ARTICLE	IF	CITATIONS
422	Biological N <sub>2</sub> Fixation, Belowground Responses, and Forage Potential of Rhizoma Peanut Cultivars. <i>Crop Science</i> , 2017, 57, 1027-1038.	0.8	37
423	Practices for Reducing Greenhouse Gas Emissions from Rice Production in Northeast Thailand. <i>Agriculture (Switzerland)</i> , 2017, 7, 4.	1.4	24
424	Tree legumes: an underexploited resource in warm-climate silvopastures. <i>Revista Brasileira De Zootecnia</i> , 2017, 46, 689-703.	0.3	31
425	Impacts of water and land resources exploitation on agricultural carbon emissions: The water-land-energy-carbon nexus. <i>Land Use Policy</i> , 2018, 72, 480-492.	2.5	119
426	Sustainability of sugarcane production in Brazil. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	251
427	Effects of tractor ownership on returns-to-scale in agriculture: Evidence from maize in Ghana. <i>Food Policy</i> , 2018, 77, 33-49.	2.8	17
428	Microalgae as multi-functional options in modern agriculture: current trends, prospects and challenges. <i>Biotechnology Advances</i> , 2018, 36, 1255-1273.	6.0	254
429	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
430	Zinc fertilizers influence greenhouse gas emissions and nitrifying and denitrifying communities in a non-irrigated arable cropland. <i>Geoderma</i> , 2018, 325, 208-217.	2.3	16
431	Nitrogen fertilization raises CO <sub>2</sub> efflux from inorganic carbon: A global assessment. <i>Global Change Biology</i> , 2018, 24, 2810-2817.	4.2	145
432	Energy Analysis and Emissions of Greenhouse Gases of Pomegranate Production in Antalya Province of Turkey. <i>Erwerbs-Obstbau</i> , 2018, 60, 321-329.	0.5	26
433	Ridge-furrow cropping of maize reduces soil carbon emissions and enhances carbon use efficiency. <i>Agriculture, Ecosystems and Environment</i> , 2018, 256, 153-162.	2.5	11
434	Analysis of energy consumption and end-use application of rapeseed in an agricultural production system in Izeh-Khuzestan. <i>Engineering in Agriculture, Environment and Food</i> , 2018, 11, 101-108.	0.2	2
435	Preceding crops influence agronomic efficiency in sugar beet cultivation. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	10
436	CO <sub>2</sub> emissions and energy consumption of loaders in woodchip loading operation. <i>Biomass and Bioenergy</i> , 2018, 109, 10-15.	2.9	2
437	Aid Effectiveness for Environmental Sustainability. , 2018, , .		1
438	Energy budget and carbon footprint in a no-till and mulch based rice-mustard cropping system. <i>Journal of Cleaner Production</i> , 2018, 191, 144-157.	4.6	164
439	Nitrogen fertilizer in combination with an ameliorant mitigated yield-scaled greenhouse gas emissions from a coastal saline rice field in southeastern China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15896-15908.	2.7	17

#	ARTICLE	IF	CITATIONS
440	Tillage and crop straw methods affect energy use efficiency, economics and greenhouse gas emissions in rainfed winter wheat field of Loess Plateau in China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 562-574.	0.3	3
441	The increasing effects in energy and GHG emission caused by groundwater level declines in North China's main food production plain. <i>Agricultural Water Management</i> , 2018, 203, 138-150.	2.4	48
442	Optimization of energy consumption of dairy farms using data envelopment analysis – A case study: Qazvin city of Iran. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2018, 17, 217-228.	1.0	18
443	Regional specialization and market integration: agroecosystem energy transitions in Upper Austria. <i>Regional Environmental Change</i> , 2018, 18, 937-950.	1.4	18
444	Hydroponic system and desalinated seawater as an alternative farm-productive proposal in water scarcity areas: Energy and greenhouse gas emissions analysis of lettuce production in southeast Spain. <i>Journal of Cleaner Production</i> , 2018, 172, 1298-1310.	4.6	53
445	Strip-tillage reduces productivity in organically managed grain and forage cropping systems in the Upper Midwest, USA. <i>Renewable Agriculture and Food Systems</i> , 2018, 33, 309-321.	0.8	4
446	Trade-off between productivity and environmental sustainability in irrigated vs. rainfed wheat production in Iran. <i>Journal of Cleaner Production</i> , 2018, 174, 367-379.	4.6	25
447	Large-scale farming operations are win-win for grain production, soil carbon storage and mitigation of greenhouse gases. <i>Journal of Cleaner Production</i> , 2018, 172, 2143-2152.	4.6	56
448	Energy, exergy utilization and CO2 emission of strawberry production in greenhouse and open field. <i>Energy</i> , 2018, 143, 417-423.	4.5	32
449	Deficit irrigation with reclaimed water in a citrus orchard. Energy and greenhouse-gas emissions analysis. <i>Agricultural Systems</i> , 2018, 159, 93-102.	3.2	12
450	Assessing environmental impacts of major vegetable crop production systems of East Azerbaijan province in Iran. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 967-982.	1.3	9
451	Using Particle Swarm Optimization Method to Optimize the Carbon Sequestration Potential of Agricultural Afforestation in Beijing, China. , 2018, , .		0
452	Annual and Perennial Peanut Species as Alternatives to Nitrogen Fertilizer in Bermudagrass Hay Production Systems. <i>Agronomy Journal</i> , 2018, 110, 2390-2399.	0.9	7
453	Mechanization in African Agriculture: A Continental Overview on Patterns and Dynamics. <i>SSRN Electronic Journal</i> , 0, , .	0.4	17
454	Grain Legumes for the Sustainability of European Farming Systems. <i>Sustainable Agriculture Reviews</i> , 2018, , 105-133.	0.6	2
455	Assessing the Sustainability Performance of Coffee Farms in Vietnam: A Social Profit Inefficiency Approach. <i>Sustainability</i> , 2018, 10, 4227.	1.6	14
456	Pulses for Human Nutritional Security. , 2018, , 1-11.		2
457	Effect of manure utilisation preferences on the sustainability of model network of chicken meat and egg producing and consuming businesses. <i>International Journal of Sustainable Agricultural Management and Informatics</i> , 2018, 4, 151.	0.1	0

#	ARTICLE	IF	CITATIONS
458	Estimation of carbon emissions from groundwater pumping in central Punjab. <i>Carbon Management</i> , 2018, 9, 425-435.	1.2	16
459	Analyzing the greenhouse gas impact potential of smallholder development actions across a global food security program. <i>Environmental Research Letters</i> , 2018, 13, 044003.	2.2	15
460	Bioenergy crop induced changes in soil properties: A case study on <i>Miscanthus</i> fields in the Upper Rhine Region. <i>PLoS ONE</i> , 2018, 13, e0200901.	1.1	14
461	Carbon footprint of cropping systems with grain legumes and cover crops: A case-study in SW France. <i>Agricultural Systems</i> , 2018, 167, 92-102.	3.2	45
462	Carbon budgets of potential tropical perennial grass cropping scenarios for bioenergy feedstock production. <i>Carbon Balance and Management</i> , 2018, 13, 17.	1.4	2
463	&lt;i>Data evaluation for tractor operation based on GNSS and multiple sensors&lt;/i>, 2018, , .		1
464	Evaluating the Coordination of Industrial-Economic Development Based on Anthropogenic Carbon Emissions in Henan Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1815.	1.2	7
465	Annual and Perennial Peanut Mixed with "Pensacola" Bahiagrass in North Florida. <i>Crop Science</i> , 2018, 58, 982-992.	0.8	14
466	Model-Based Evaluation of Land Management Strategies with Regard to Multiple Ecosystem Services. <i>Sustainability</i> , 2018, 10, 3844.	1.6	15
467	Phenotypic Plasticity and Other Forage Responses to Grazing Management of Ecoturf Rhizoma Peanut. <i>Crop Science</i> , 2018, 58, 2164-2173.	0.8	11
468	Techno-economic and environmental assessment of different rice-based cropping systems in an inceptisol of West Bengal, India. <i>Journal of Cleaner Production</i> , 2018, 205, 350-363.	4.6	21
469	Assessment of tomato production process by cumulative exergy consumption approach in greenhouse and open field conditions: Case study of Turkey. <i>Energy</i> , 2018, 156, 401-408.	4.5	44
470	Carbon and water footprints of major cereal crops production in China. <i>Journal of Cleaner Production</i> , 2018, 194, 613-623.	4.6	47
471	Stimulation of N <sub>2</sub> O emission by conservation tillage management in agricultural lands: A meta-analysis. <i>Soil and Tillage Research</i> , 2018, 182, 86-93.	2.6	83
472	Emission of Greenhouse Gases and Their Warming Effect. , 2018, , 1-53.		6
473	Carbon footprint of dryland winter wheat under film mulching during summer-fallow season and sowing method on the Loess Plateau. <i>Ecological Indicators</i> , 2018, 95, 12-20.	2.6	23
474	Aeration of different irrigation levels affects net global warming potential and carbon footprint for greenhouse tomato systems. <i>Scientia Horticulturae</i> , 2018, 242, 10-19.	1.7	24
475	Carbon footprint and agricultural sustainability nexus in an intensively cultivated region of Indo-Gangetic Plains. <i>Science of the Total Environment</i> , 2018, 644, 611-623.	3.9	71

#	ARTICLE	IF	CITATIONS
476	On-Farm Evaluation of the Potential Use of Greenhouse Gas Mitigation Techniques for Rice Cultivation: A Case Study in Thailand. <i>Climate</i> , 2018, 6, 36.	1.2	7
477	Decoupling Greenhouse Gas Emissions from Crop Production: A Case Study in the Heilongjiang Land Reclamation Area, China. <i>Energies</i> , 2018, 11, 1480.	1.6	11
478	A Model Approach for Yield-Zone-Specific Cost Estimation of Greenhouse Gas Mitigation by Nitrogen Fertilizer Reduction. <i>Sustainability</i> , 2018, 10, 710.	1.6	5
479	Evaluating Gravity-Flow Irrigation with Lessons from Yuma, Arizona, USA. <i>Sustainability</i> , 2018, 10, 1548.	1.6	18
480	Leguminous Trees an Innovative Tool for Soil Sustainability. , 2018, , 315-345.		92
481	Environmental and Economic Analysis of Saffron and Canola Production Systems: in East Azerbaijan Province of Iran. <i>International Journal of Plant Production</i> , 2018, 12, 73-83.	1.0	5
482	A spatially explicit representation of conservation agriculture for application in global change studies. <i>Global Change Biology</i> , 2018, 24, 4038-4053.	4.2	59
483	Carbon Footprint of Crop Cultivation Process Under Semiarid Conditions. <i>Agricultural Research</i> , 2018, 7, 167-175.	0.9	13
484	The potential to reduce GHG emissions in egg production using a GHG calculator “A Cool Farm Tool case study. <i>Journal of Cleaner Production</i> , 2018, 202, 1068-1076.	4.6	19
485	Producción mecanizada de maíz, camote y yuca en la Costa Desértica Peruana: Estimación de la huella de carbono y propuestas de mitigación. <i>Ecología Aplicada</i> , 2018, 17, 13.	0.2	2
486	Energy use and carbon emission of conventional and organic sugar beet farming. <i>Journal of Cleaner Production</i> , 2018, 201, 428-438.	4.6	26
487	Nutrition and production related energies and exergies of foods. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 275-295.	8.2	18
488	Energy management in crop production using a novel fuzzy data envelopment analysis model. <i>RAIRO - Operations Research</i> , 2018, 52, 595-617.	1.0	17
489	The carbon footprint of agricultural crop cultivation in India. <i>Carbon Management</i> , 2018, 9, 213-225.	1.2	39
490	A Review of Tillage Practices and Their Potential to Impact the Soil Carbon Dynamics. <i>Advances in Agronomy</i> , 2018, , 185-230.	2.4	60
491	Energy use and economic analysis for wheat production by conservation tillage along with sprinkler irrigation. <i>Science of the Total Environment</i> , 2019, 648, 450-459.	3.9	34
492	Irrigation energy use and related greenhouse gas emissions of maize production in Mexico. <i>International Journal of Water Resources Development</i> , 2019, 35, 701-723.	1.2	8
493	Agronomic, economic, and environmental performance of nitrogen rates and source in Bangladesh's coastal rice agroecosystems. <i>Field Crops Research</i> , 2019, 241, 107567.	2.3	18

#	ARTICLE	IF	CITATIONS
494	Energy optimization and greenhouse gas emissions mitigation for agricultural and horticultural systems in Northern Iran. <i>Energy</i> , 2019, 186, 115845.	4.5	78
495	Global Research on Carbon Emissions: A Scientometric Review. <i>Sustainability</i> , 2019, 11, 3972.	1.6	111
496	Recycling Agricultural Wastes and By-products in Organic Farming: Biofertilizer Production, Yield Performance and Carbon Footprint Analysis. <i>Sustainability</i> , 2019, 11, 3824.	1.6	99
497	Do agricultural activities induce carbon emissions? The BRICS experience. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25218-25234.	2.7	161
498	Carbon footprint and economic efficiency of urban agriculture in Beijing—a comparative case study of conventional and home-delivery agriculture. <i>Journal of Cleaner Production</i> , 2019, 234, 615-625.	4.6	28
499	Effects of different tillage practices on the carbon footprint of wheat and maize production in the Loess Plateau of China. <i>Journal of Cleaner Production</i> , 2019, 234, 297-305.	4.6	42
500	Optimization Approach for Improving Energy Efficiency and Evaluation of Greenhouse Gas Emission of Wheat Crop using Data Envelopment Analysis. <i>Sustainability</i> , 2019, 11, 3409.	1.6	44
501	Carbon Balance in Sugarcane Areas Under Different Tillage Systems. <i>Bioenergy Research</i> , 2019, 12, 778-788.	2.2	10
502	Managing grazing intensity to reduce the global warming potential in integrated crop–livestock systems under no-till agriculture. <i>European Journal of Soil Science</i> , 2020, 71, 1120-1131.	1.8	20
503	Net Greenhouse Gas Emissions from Agriculture in China: Estimation, Spatial Correlation and Convergence. <i>Sustainability</i> , 2019, 11, 4817.	1.6	25
504	Assessment of Agricultural Carbon Emissions and Their Spatiotemporal Changes in China, 1997–2016. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3105.	1.2	107
505	The Carbon Footprint of Energy Consumption in Pastoral and Barn Dairy Farming Systems: A Case Study from Canterbury, New Zealand. <i>Sustainability</i> , 2019, 11, 4809.	1.6	7
506	Effective climate change mitigation through cover cropping and integrated fertilization: A global warming potential assessment from a 10-year field experiment. <i>Journal of Cleaner Production</i> , 2019, 241, 118307.	4.6	43
507	Prioritization of Bioethanol Production Systems from Agricultural and Waste Agricultural Biomass Using Multi-criteria Decision Making. <i>BioPhysical Economics and Resource Quality</i> , 2019, 4, 1.	2.4	19
508	Global relative species loss due to first-generation biofuel production for the transport sector. <i>GCB Bioenergy</i> , 2019, 11, 763-772.	2.5	24
509	Decreasing the carbon footprint of an intensive rice-based cropping system using conservation agriculture on the Eastern Gangetic Plains. <i>Journal of Cleaner Production</i> , 2019, 218, 259-272.	4.6	38
510	Applying DEA optimization approach for energy auditing in wheat cultivation under rice-wheat and cotton-wheat cropping systems in north-western India. <i>Energy</i> , 2019, 181, 18-28.	4.5	47
511	Organic-substitute strategies reduced carbon and reactive nitrogen footprints and gained net ecosystem economic benefit for intensive vegetable production. <i>Journal of Cleaner Production</i> , 2019, 225, 984-994.	4.6	107

#	ARTICLE	IF	CITATIONS
512	Characterizing Emissions from Agricultural Diesel Pumps in the Terai Region of Nepal. Atmosphere, 2019, 10, 56.	1.0	12
513	Use of optimization techniques for energy use efficiency and environmental life cycle assessment modification in sugarcane production. Energy, 2019, 181, 1298-1320.	4.5	112
514	Sustainable management and conservation of resources for different wheat production processes; cumulative exergy consumption approach. International Journal of Exergy, 2019, 28, 404.	0.2	15
515	Particulate Soil Organic Matter in Bahiagrass-Rhizoma Peanut Mixtures and Their Monocultures. Soil Science Society of America Journal, 2019, 83, 658-665.	1.2	7
516	Agronomic performance, energy analysis, and carbon balance comparing different fertilization strategies in horticulture under Mediterranean conditions. Environmental Science and Pollution Research, 2019, 26, 19250-19260.	2.7	27
517	Carbon Sequestration in Zoysiagrass Turf under Different Irrigation and Fertilization Management Regimes. , 2019, 2, 1-8.		19
518	A farm-level assessment of labor and mechanization in Eastern and Southern Africa. Agronomy for Sustainable Development, 2019, 39, 1.	2.2	33
519	Materials flow analysis of a desert food production system:The case of bell peppers. Journal of Cleaner Production, 2019, 227, 512-521.	4.6	6
520	Effect of nitrogen fertilizer rates on carbon footprint and ecosystem service of carbon sequestration in rice production. Science of the Total Environment, 2019, 670, 210-217.	3.9	84
521	Increases in soil sequestered carbon under conservation agriculture cropping decrease the estimated greenhouse gas emissions of wetland rice using life cycle assessment. Journal of Cleaner Production, 2019, 224, 72-87.	4.6	51
522	Effects of conservation tillage based agro-geo-textiles on resource conservation in sloping croplands of Indian Himalayan Region. Soil and Tillage Research, 2019, 191, 37-47.	2.6	10
523	Agronomic Interactions with CO2 Sequestration. , 2019, , 425-431.		0
524	Dynamics and temperature sensitivity of soil organic carbon mineralization under medium-term conservation agriculture as affected by residue and nitrogen management options. Soil and Tillage Research, 2019, 190, 175-185.	2.6	34
525	Net Global Warming Potential of Spring Wheat Cropping Systems in a Semiarid Region. Land, 2019, 8, 32.	1.2	6
526	Energy and carbon budgeting of tillage for environmentally clean and resilient soil health of rice-maize cropping system. Journal of Cleaner Production, 2019, 226, 815-830.	4.6	72
527	How to increase sustainability in the Finnish wine supply chain? Insights from a country of origin based greenhouse gas emissions analysis. Journal of Cleaner Production, 2019, 226, 768-780.	4.6	38
528	Greenhouse gas emissions and net carbon sequestration of the Beijing-Tianjin Sand Source Control Project in China. Journal of Cleaner Production, 2019, 225, 163-172.	4.6	18
529	Methane Emissions from Artificial Waterbodies Dominate the Carbon Footprint of Irrigation: A Study of Transitions in the Food-Energy-Water-Climate Nexus (Spain, 1900-2014). Environmental Science & Technology, 2019, 53, 5091-5101.	4.6	38

#	ARTICLE	IF	CITATIONS
530	Energy and Food Security: Linkages through Price Volatility. <i>Energy Policy</i> , 2019, 128, 796-806.	4.2	177
531	Energy use efficiency, GHG emissions, and cost-effectiveness of organic and sustainable fertilisation. <i>Energy</i> , 2019, 172, 1151-1160.	4.5	21
532	Energy auditing and carbon footprint under long-term conservation agriculture-based intensive maize systems with diverse inorganic nitrogen management options. <i>Science of the Total Environment</i> , 2019, 664, 659-668.	3.9	64
533	Energy auditing and optimization approach for improving energy efficiency of rice cultivation in south-western Punjab, India. <i>Energy</i> , 2019, 174, 269-279.	4.5	79
534	A Framework for Assessing Benefits of Implemented Nature-Based Solutions. <i>Sustainability</i> , 2019, 11, 6788.	1.6	45
535	Dicyandiamide increased ammonia volatilisation and decreased carbon dioxide emission from calcareous soil during wheat-maize rotation on the Loess Plateau. <i>Soil Research</i> , 2019, 57, 767.	0.6	17
536	Combining reference trials, farm surveys and mathematical models to assess carbon footprint and mitigation measures in tropical agriculture. <i>Annals of Agricultural Sciences</i> , 2019, 64, 188-195.	1.1	2
537	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
538	Sward Responses of Bahiagrass Cultivars under No Nitrogen Fertilization. <i>Crop Science</i> , 2019, 59, 2893-2902.	0.8	9
539	Greenhouse gas emissions and mitigation options for German wine production. <i>Journal of Cleaner Production</i> , 2019, 212, 800-809.	4.6	47
540	Delineation of critical regions for mitigation of carbon emissions due to groundwater pumping in central Punjab. <i>Groundwater for Sustainable Development</i> , 2019, 8, 302-308.	2.3	8
541	Depletion of soil organic carbon stocks are larger under plastic film mulching for maize. <i>European Journal of Soil Science</i> , 2019, 70, 807-818.	1.8	44
542	Carbon emission of maize-based cropping systems in the North China Plain. <i>Journal of Cleaner Production</i> , 2019, 213, 300-308.	4.6	57
543	Effects of cover crop termination and cotton planting methods on cotton production in conservation systems. <i>Renewable Agriculture and Food Systems</i> , 2019, 34, 406-414.	0.8	3
544	Relationship between climate change and low-carbon agricultural production: A case study in Hebei Province, China. <i>Ecological Indicators</i> , 2019, 105, 438-447.	2.6	57
545	Estimation of energy efficiency and greenhouse gas emission of cotton crop in South Punjab, Pakistan. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 216-224.	1.0	18
546	Comparison of carbon footprint of traditional agroforestry systems under rainfed and irrigated ecosystems. <i>Agroforestry Systems</i> , 2020, 94, 465-475.	0.9	5
547	Agricultural development addresses food loss and waste while reducing greenhouse gas emissions. <i>Science of the Total Environment</i> , 2020, 699, 134318.	3.9	38

#	ARTICLE	IF	CITATIONS
548	Sustainable options for reducing carbon inputs and improving the eco-efficiency of smallholder wheat-maize cropping systems in the Huanghuaihai Farming Region of China. <i>Journal of Cleaner Production</i> , 2020, 244, 118887.	4.6	20
549	Maintaining soil fertility and health for sustainable pastures. , 2020, , 35-58.		18
550	Carbon Footprints. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2020, , .	0.7	3
551	Carbon Footprints of Agriculture Sector. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2020, , 81-99.	0.7	20
552	Evaluation of energy balance and greenhouse gas emissions in rice cultivation in Guilan province, northern Iran. <i>Paddy and Water Environment</i> , 2020, 18, 261-272.	1.0	8
553	Silvopastoral management of beef cattle production for neutralizing the environmental impact of enteric methane emission. <i>Agroforestry Systems</i> , 2020, 94, 893-903.	0.9	23
554	Impact of intensive agricultural management on carbon and nitrogen dynamics in the humid tropics. <i>Soil Science and Plant Nutrition</i> , 2020, 66, 50-59.	0.8	48
555	Sustainability of agro-ecological practices in organic horticulture: yield, energy-use and carbon footprint. <i>Agroecology and Sustainable Food Systems</i> , 2020, 44, 726-746.	1.0	15
556	Successive straw biochar amendments reduce nitrous oxide emissions but do not improve the net ecosystem economic benefit in an alkaline sandy loam under a wheat-maize cropping system. <i>Land Degradation and Development</i> , 2020, 31, 868-883.	1.8	21
557	Estimating unit production cost, carbon intensity, and carbon abatement cost of electricity generation from bioenergy feedstocks in Georgia, United States. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 117, 109514.	8.2	27
558	Effect of tillage systems and different rates of nitrogen fertilisation on the carbon footprint of irrigated maize in a semiarid area of Castile and Leon, Spain. <i>Soil and Tillage Research</i> , 2020, 196, 104472.	2.6	23
559	Energy, Economic and Environmental Analysis of Organic and Conventional Apple Production in Turkey. <i>Erwerbs-Obstbau</i> , 2020, 62, 1-12.	0.5	22
560	Do Differences in Livestock Management Practices Influence Environmental Impacts?. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	10
561	Improving energy efficiency and environmental mitigation through tillage management in faba bean production. <i>Energy</i> , 2020, 209, 118453.	4.5	18
562	Soil organic carbon stocks and sequestration rates of inland, freshwater wetlands: Sources of variability and uncertainty. <i>Science of the Total Environment</i> , 2020, 749, 141444.	3.9	33
563	An ecological future for weed science to sustain crop production and the environment. A review. <i>Agronomy for Sustainable Development</i> , 2020, 40, 1.	2.2	148
564	Application of photovoltaic system to modify energy use, environmental damages and cumulative energy demand of two irrigation systems-A case study: Barley production of Iran. <i>Renewable Energy</i> , 2020, 160, 1316-1334.	4.3	120
565	How to reduce environmental impact of hamburger menu. <i>International Journal of Global Warming</i> , 2020, 22, 235.	0.2	1



#	ARTICLE	IF	CITATIONS
566	Sprayer Axial Fan Layout Affecting Energy Consumption and Carbon Emissions. Resources, 2020, 9, 136.	1.6	2
567	Sustainable Production of Pulses under Saline Lands in India. , 0, , .		4
568	Biogeochemical transformation of greenhouse gas emissions from terrestrial to atmospheric environment and potential feedback to climate forcing. Environmental Science and Pollution Research, 2020, 27, 38513-38536.	2.7	63
569	Integrating Animal Husbandry With Crops and Trees. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	29
570	Nutrient management impacts on net ecosystem carbon budget and energy flow nexus in intensively cultivated cropland ecosystems of north-western India. Paddy and Water Environment, 2020, 18, 697-715.	1.0	35
571	Energy Balances and Greenhouse Gas Emissions of Agriculture in the Shihezi Oasis of China. Atmosphere, 2020, 11, 781.	1.0	5
573	Crop Protection Under Changing Climate. , 2020, , .		4
574	Predicting energy efficiency and greenhouse gases reduction potential under different tillage management and farm size scenarios for winter wheat production. Sustainable Energy Technologies and Assessments, 2020, 42, 100841.	1.7	6
575	Carbon footprint of a typical pomelo production region in China based on farm survey data. Journal of Cleaner Production, 2020, 277, 124041.	4.6	51
576	Energy sources analysis and optimization of energy efficiency and greenhouse gases in production of farm crops. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-15.	1.2	1
577	First Insights on Soil Respiration Prediction across the Growth Stages of Rainfed Barley Based on Simulated MODIS and Sentinel-2 Spectral Indices. Remote Sensing, 2020, 12, 2724.	1.8	1
578	Estimating Carbon Efficiency of Bioenergy Systems in the Mississippi Alluvial Valley. Forests, 2020, 11, 899.	0.9	0
579	Environmental and economic assessment of paddy based cropping systems in Middle Indo-Gangetic plains, India. Environmental and Sustainability Indicators, 2020, 8, 100067.	1.7	3
580	On-farm fertilizing materials in organic horticulture: agronomic performance, energy use and GHG emission evaluation. Archives of Agronomy and Soil Science, 2021, 67, 1944-1960.	1.3	6
581	Energy Budgeting, Data Envelopment Analysis and Greenhouse Gas Emission from Rice Production System: A Case Study from Puddled Transplanted Rice and Direct-Seeded Rice System of Karnataka, India. Sustainability, 2020, 12, 6439.	1.6	31
582	Net global warming potential and greenhouse gas intensity. Soil Science Society of America Journal, 2020, 84, 1393-1404.	1.2	8
583	Research on methods, techniques and technologies of carbon sequestration in soil. E3S Web of Conferences, 2020, 180, 03021.	0.2	1
584	Analysis of Changes in Soil Organic Carbon, Energy Consumption and Environmental Impact Using Bio-Products in the Production of Winter Wheat and Oilseed Rape. Sustainability, 2020, 12, 8246.	1.6	5

#	ARTICLE	IF	CITATIONS
585	Effects of Pressure and Nozzle Size on the Spray Characteristics of Low-Pressure Rotating Sprinklers. Water (Switzerland), 2020, 12, 2904.	1.2	23
586	Climate change mitigation as a co-benefit of regenerative ranching: insights from Australia and the United States. Interface Focus, 2020, 10, 20200027.	1.5	48
587	Sowing maize as a rotation crop in irrigated cotton cropping systems in a Vertosol: effects on soil properties, greenhouse gas emissions, black root rot incidence, cotton lint yield and fibre quality. Soil Research, 2020, 58, 137.	0.6	9
588	Potential environmental benefits of substituting nitrogen and phosphorus fertilizer with usable crop straw in China during 2000â€“2017. Journal of Cleaner Production, 2020, 267, 122125.	4.6	30
589	Herbage responses and nitrogen agronomic efficiency of bahiagrassâ€“legume mixtures. Agronomy Journal, 2020, 112, 4057-4068.	0.9	3
590	Lowering carbon footprint of wheat-maize cropping system in North China Plain: Through microbial fertilizer application with adaptive tillage. Journal of Cleaner Production, 2020, 268, 122255.	4.6	27
591	A meta-analysis of economic and environmental benefits of conservation agriculture in South Asia. Journal of Environmental Management, 2020, 269, 110773.	3.8	23
592	Operational and yield performances and fuel-related CO2 emissions under different tillage-sowing practices in a rainfed crop rotation. International Journal of Environmental Science and Technology, 2020, 17, 4563-4576.	1.8	6
593	Crop cleaner production improvement potential under conservation agriculture in China: A meta-analysis. Journal of Cleaner Production, 2020, 269, 122262.	4.6	18
594	Performance Characterization of a Steam Distillation Process for Ammonium Recovery from Urine. Journal of Sustainable Water in the Built Environment, 2020, 6, .	0.9	4
595	Greenhouse gas, water, and land footprint per unit of production of the California dairy industry over 50 years. Journal of Dairy Science, 2020, 103, 3760-3773.	1.4	43
596	Designing energy-efficient, economically sustainable and environmentally safe cropping system for the rainfed maizeâ€“fallow land of the Eastern Himalayas. Science of the Total Environment, 2020, 722, 137874.	3.9	54
597	Optimized configuration of a hose reel traveling irrigator. Agricultural Water Management, 2020, 240, 106302.	2.4	6
598	Rice (Oryza sativa L.) Establishment Techniques and Their Implications for Soil Properties, Global Warming Potential Mitigation and Crop Yields. Agronomy, 2020, 10, 888.	1.3	31
599	Environmental evaluation and optimization of energy use and greenhouse gases mitigation for farm production systems in Mashhad, Iran. Environmental Science and Pollution Research, 2020, 27, 35272-35283.	2.7	7
600	Determination of Energy Efficiency and Greenhouse Gas (GHG) Emissions in Organic Almond Production in Turkey. Erwerbs-Obstbau, 2020, 62, 341-346.	0.5	13
601	No-till and mulching enhance energy use efficiency and reduce carbon footprint of a direct-seeded upland rice production system. Journal of Cleaner Production, 2020, 271, 122700.	4.6	56
602	Carbon footprint and yield performance assessment under plastic film mulching for winter wheat production. Journal of Cleaner Production, 2020, 270, 122468.	4.6	20

#	ARTICLE	IF	CITATIONS
603	Double paddy rice conversion to maizeâ€“paddy rice reduces carbon footprint and enhances net carbon sink. <i>Journal of Cleaner Production</i> , 2020, 258, 120643.	4.6	31
604	Tillage and Irrigation Impacts on the Efficiency of Fossil Fuel Utilization for Hungarian Vetch Production and Fuel-Related CO <sub>2</sub> Emissions. <i>Environmental Engineering Science</i> , 2020, 37, 201-213.	0.8	6
605	Sugarcane/soybean intercropping with reduced nitrogen input improves crop productivity and reduces carbon footprint in China. <i>Science of the Total Environment</i> , 2020, 719, 137517.	3.9	61
606	Minor topography governing erosional distribution of SOC and temperature sensitivity of CO <sub>2</sub> emissions: comparisons between concave and convex toposequence. <i>Journal of Soils and Sediments</i> , 2020, 20, 1906-1919.	1.5	7
607	Projections of global and UK bioenergy potential from <i>Miscanthus</i> — <i>Agiganteus</i> ”Feedstock yield, carbon cycling and electricity generation in the 21st century. <i>GCB Bioenergy</i> , 2020, 12, 287-305.	2.5	20
608	High nitrogen rates do not increase canola yield and may affect soil bacterial functioning. <i>Agronomy Journal</i> , 2020, 112, 523-536.	0.9	8
609	Footprint assessments on organic farming to improve ecological safety in the water source areas of the South-to-North Water Diversion project. <i>Journal of Cleaner Production</i> , 2020, 254, 120130.	4.6	38
610	Assessing the potential of alternative farming practices for sustainable energy and water use and GHG mitigation in conventional maize systems. <i>Environment, Development and Sustainability</i> , 2020, 22, 8029-8059.	2.7	3
611	Identification of energy and carbon efficient cropping system for ecological sustainability of rice fallow. <i>Ecological Indicators</i> , 2020, 115, 106431.	2.6	27
612	Greenhouse gas emissions and global warming potential from biofuel cropping systems fertilized with mineral and organic nitrogen sources. <i>Science of the Total Environment</i> , 2020, 729, 138767.	3.9	12
613	Efficiency, Profitability and Carbon Footprint of Different Management Programs under No-Till to Control Herbicide Resistant Papaver rhoeas. <i>Plants</i> , 2020, 9, 433.	1.6	5
614	Combine Harvester Fuel Consumption and Air Pollution Reduction. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	15
615	Soil conservation practices contribution in trapping sediment and soil organic carbon, Minizr watershed, northwest highlands of Ethiopia. <i>Journal of Soils and Sediments</i> , 2020, 20, 2484-2494.	1.5	16
616	The contribution of small-scale food production in urban areas to the sustainable development goals: a review and case study. <i>Sustainability Science</i> , 2020, 15, 1585-1599.	2.5	122
617	Does extending recycling chain of using rice straw contribute to improving yield and reducing GHGs emissions in paddy field? An integrated analysis based on field research and system assessment. <i>Journal of Cleaner Production</i> , 2020, 264, 121508.	4.6	13
618	Energy and carbon footprints of wheat establishment following different rice residue management strategies vis-À-vis conventional tillage coupled with rice residue burning in north-western India. <i>Energy</i> , 2020, 200, 117554.	4.5	46
619	Comparison of GHG emissions and farmersâ€™ profit of large-scale and individual farming in rice production across four regions of Thailand. <i>Journal of Cleaner Production</i> , 2021, 278, 123945.	4.6	31
620	Energy and productivity analysis of maize based crop sequences compared to rice-wheat system under different moisture regimes. <i>Energy</i> , 2021, 216, 119286.	4.5	10

#	ARTICLE	IF	CITATIONS
621	Nutrient Management Impacts on Nutrient Use Efficiency and Energy, Carbon, and Net Ecosystem Economic Budget of a Rice-Wheat Cropping System in Northwestern India. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 559-577.	1.7	42
622	Carbon reduction strategies for regionally produced and consumed wine: From farm to fork. <i>Journal of Environmental Management</i> , 2021, 278, 111453.	3.8	17
623	Evaluation of energy use efficiency and greenhouse gas emission in rapeseed ( <i>Brassica napus</i> L.) production in paddy fields of Guilan province of Iran. <i>Energy</i> , 2021, 217, 119411.	4.5	7
624	Renewable energy utilization in apple production process: A thermodynamic approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100956.	1.7	7
625	Ecological sustainability assessment of the carbon footprint in Fujian Province, southeast China. <i>Frontiers of Earth Science</i> , 2021, 15, 12-22.	0.9	18
626	Mulching and nitrogen management in peanut cultivation: an evaluation of productivity, energy trade-off, carbon footprint and profitability. <i>Energy, Ecology and Environment</i> , 2021, 6, 133-147.	1.9	17
628	Difference in carbon footprint between single- and double-cropping rice production in China, 2003-2016. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27308-27317.	2.7	5
629	Designing an ecofriendly and carbon-cum-energy efficient production system for the diverse agroecosystem of South Asia. <i>Energy</i> , 2021, 214, 118860.	4.5	20
630	Food Security and Climate Stabilization: Can Cereal Production Systems Address Both?. <i>Sustainability</i> , 2021, 13, 1223.	1.6	1
631	Herbicides: A necessary evil? An integrative overview. , 2021, , 321-333.		0
632	Impact of Carbon Sequestration and Greenhouse Gasses on Soil. <i>Advances in Olericulture</i> , 2021, , 197-209.	0.4	0
633	Climate change and agriculture. , 2021, , 661-686.		9
634	Carbon Monoxide Gas Pollution Control Model Using Reducing Plants. <i>Journal of Environmental Treatment Techniques</i> (discontinued), 2020, 9, 428-434.	0.5	3
635	Integrated assessment of system of rice intensification vs. conventional method of transplanting for economic benefit, energy efficiency and lower global warming potential in India. <i>Agroecology and Sustainable Food Systems</i> , 2021, 45, 745-766.	1.0	12
636	Analysis of Droplet Characteristics and Kinetic Energy Distribution for Fixed Spray Plate Sprinkler at Low Working Pressure. <i>Transactions of the ASABE</i> , 2021, 64, 447-460.	1.1	4
637	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
638	Comparative Analysis of Energy and GHG Emissions Using Fixed and Variable Fertilization Rates. <i>Agronomy</i> , 2021, 11, 138.	1.3	12
639	A global meta-analysis of greenhouse gases emission and crop yield under no-tillage as compared to conventional tillage. <i>Science of the Total Environment</i> , 2021, 750, 142299.	3.9	121

#	ARTICLE	IF	CITATIONS
640	Integrated Weed Management for Sustainable Agriculture. Sustainable Agriculture Reviews, 2021, , 367-393.	0.6	6
641	Efficiency of rice production and CO <sub>2</sub> emissions: A study of selected Asian countries using DDF and SBM-DEA. Journal of Environmental Planning and Management, 2021, 64, 2133-2153.	2.4	9
642	Managing organic carbon of sandy clay loam soil with organic amendments to promote particle aggregation. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2
643	Optimization of rapeseed production using exergy analysis methodology. Sustainable Energy Technologies and Assessments, 2021, 43, 100959.	1.7	6
644	Energy Optimization in Different Production Technologies of Winter Triticale Grain. Energies, 2021, 14, 1003.	1.6	11
645	Assessing economic and environmental feasibility of wood-based electricity generation in South America: A case study from Colombia. Forest Policy and Economics, 2021, 124, 102381.	1.5	3
646	Cyanobacterial inoculation as resource conserving options for improving the soil nutrient availability and growth of maize genotypes. Archives of Microbiology, 2021, 203, 2393-2409.	1.0	3
647	Dicyandiamide efficacy of inhibiting nitrification and carbon dioxide emission from calcareous soil depends on temperature and moisture contents. Archives of Agronomy and Soil Science, 2022, 68, 1413-1429.	1.3	11
648	Construction of Critical Periods for Water Resources Management and Their Application in the FEW Nexus. Water (Switzerland), 2021, 13, 718.	1.2	3
649	Simulating the Feasibility of Dual Use Switchgrass on Cow-Calf Operations. Energies, 2021, 14, 2422.	1.6	1
650	The advent of modern solar-powered electric agricultural machinery: A solution for sustainable farm operations. Journal of Cleaner Production, 2021, 292, 126030.	4.6	79
651	Comparative assessment of energy flow, carbon auditing and eco-efficiency of diverse tillage systems for cleaner and sustainable crop production in eastern India. Journal of Cleaner Production, 2021, 293, 126162.	4.6	19
652	Energy budget and carbon footprint in a wheat and maize system under ridge furrow strategy in dry semi humid areas. Scientific Reports, 2021, 11, 9367.	1.6	6
653	China's Tea Industry: Net Greenhouse Gas Emissions and Mitigation Potential. Agriculture (Switzerland), 2021, 11, 363.	1.4	12
654	C-offset and crop energy efficiency increase due industrial poultry waste use in long-term no-till soil minimizing environmental pollution. Environmental Pollution, 2021, 275, 116565.	3.7	1
655	Dry Anaerobic Digestion for Agricultural Waste Recycling. , 0, , .		4
656	Effects of grazing control on ecosystem recovery, biological productivity gains, and soil carbon sequestration in long-term degraded loess farmlands in the Northern Negev, Israel. Land Degradation and Development, 2021, 32, 2580-2594.	1.8	12
657	Estimated energy use and greenhouse gas emissions associated with golf course turfgrass maintenance in the Northern USA. Itsrj, 2022, 14, 58-75.	0.1	4

#	ARTICLE	IF	CITATIONS
658	Mitigation of Multiple Environmental Footprints for China's Pig Production Using Different Land Use Strategies. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4440-4451.	4.6	11
659	Integrating beef cattle on cropland affects net global warming potential. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 289.	1.1	3
660	Influence of Tillage on the Production Inputs, Outputs, Soil Compaction and GHG Emissions. <i>Agriculture (Switzerland)</i> , 2021, 11, 456.	1.4	14
661	Selecting low-carbon technologies and measures for high agricultural carbon productivity in Taihu Lake Basin, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49913-49920.	2.7	20
662	Managing the trade-offs among yield, economic benefits and carbon and nitrogen footprints of wheat cropping in a semi-arid region of China. <i>Science of the Total Environment</i> , 2021, 768, 145280.	3.9	24
663	Effect of straw retention on carbon footprint under different cropping sequences in Northeast China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54792-54801.	2.7	7
664	Carbon Footprint of Landscape Tree Production in Korea. <i>Sustainability</i> , 2021, 13, 5915.	1.6	2
665	Influence of Mechanical and Intelligent Robotic Weed Control Methods on Energy Efficiency and Environment in Organic Sugar Beet Production. <i>Agriculture (Switzerland)</i> , 2021, 11, 449.	1.4	10
666	Artificial intelligence and carbon footprints: Roadmap for Indian agriculture. <i>Strategic Change</i> , 2021, 30, 269-280.	2.5	21
667	CARBON FOOTPRINT OF FRESHWATER AQUACULTURE PRACTICES IN DIFFERENT REGIONS ALONG THE BAY OF BENGAL, INDIA. <i>International Journal of Big Data Mining for Global Warming</i> , 0, , 2150003.	0.5	0
668	Life cycle energy-carbon-water footprints of sugar, ethanol and electricity from sugarcane. <i>Bioresource Technology</i> , 2021, 330, 125012.	4.8	27
669	Water footprint, herbage, and livestock responses for nitrogen-fertilized grass and grass-legume grazing systems. <i>Crop Science</i> , 2021, 61, 3844-3858.	0.8	12
670	Sources of Greenhouse Gas Emissions in Agriculture, with Particular Emphasis on Emissions from Energy Used. <i>Energies</i> , 2021, 14, 3784.	1.6	64
671	Assessment of regional greenhouse gas emissions from spring wheat cropping system: A case study of Saskatchewan in Canada. <i>Journal of Cleaner Production</i> , 2021, 301, 126917.	4.6	6
672	Comparative analysis of carbon footprint between conventional smallholder operation and innovative largescale farming of urban agriculture in Beijing, China. <i>PeerJ</i> , 2021, 9, e11632.	0.9	8
673	CubeSats deliver new insights into agricultural water use at daily and 3Âm resolutions. <i>Scientific Reports</i> , 2021, 11, 12131.	1.6	16
674	Evaluation of Feed Strategies and Changes of Stocking Rate to Decrease the Carbon Footprint in a Traditional Cow-Calf System: A Simulation Model. <i>Frontiers in Veterinary Science</i> , 2021, 8, 587168.	0.9	1
675	Asymmetric causality among carbon emission from agriculture, energy consumption, fertilizer, and cereal food production - A nonlinear analysis for Pakistan. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101099.	1.7	45

#	ARTICLE	IF	CITATIONS
676	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
677	Are glyphosate-resistant weeds a threat to conservation agriculture? Evidence from tillage practices in soybeans. <i>American Journal of Agricultural Economics</i> , 2022, 104, 645-672.	2.4	13
678	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
679	Data envelopment analysis based optimization for improving net ecosystem carbon and energy budget in cotton ( <i>Gossypium hirsutum</i> L.) cultivation: methods and a case study of north-western India. <i>Environment, Development and Sustainability</i> , 2022, 24, 2079-2119.	2.7	9
680	Net Carbon Sequestration Performance of Cropland Use in China's Principal Grain-Producing Area: An Evaluation and Spatiotemporal Divergence. <i>Land</i> , 2021, 10, 714.	1.2	4
682	Long-term organic and inorganic fertilization on economics, energy budgeting and carbon footprint of soybean-wheat cropping system in the Indian mid-Himalayas. <i>Archives of Agronomy and Soil Science</i> , 0, , 1-15.	1.3	1
683	Analysis of energy balance and global warming potential in tangerine ( <i>Citrus tangerina</i> Tanaka) orchards versus soybean ( <i>Glycine max</i> (L.) Merr.) production system. <i>Acta Agriculturae Slovenica</i> , 2021, 117, 1.	0.2	0
684	Carbon footprint and predicting the impact of climate change on carbon sequestration ecosystem services of organic rice farming and conventional rice farming: A case study in Phichit province, Thailand. <i>Journal of Environmental Management</i> , 2021, 289, 112458.	3.8	39
685	White clover living mulch enhances soil health vs. annual cover crops. <i>Agronomy Journal</i> , 2021, 113, 3697-3707.	0.9	8
686	China's greenhouse gas emissions for cropping systems from 1978 to 2016. <i>Scientific Data</i> , 2021, 8, 171.	2.4	40
687	Greenhouse gas emissions from Mediterranean agriculture: Evidence of unbalanced research efforts and knowledge gaps. <i>Global Environmental Change</i> , 2021, 69, 102319.	3.6	31
688	Discussion on ecological design and construction of river landscape based on fine-grained image classification. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	1
689	Litter mass and nitrogen disappearance in year-round nitrogen-fertilized grass and legume-grass forage systems. <i>Agronomy Journal</i> , 2021, 113, 5170-5182.	0.9	6
690	Soil aggregate-associated organic carbon and nitrogen response to long-term no-till crop rotation, cover crop, and manure application. <i>Soil Science Society of America Journal</i> , 2021, 85, 2169-2184.	1.2	6
691	Energy budgeting and carbon footprints of three tillage systems in maize-wheat sequence of north-western Indo-Gangetic Plains. <i>Energy</i> , 2021, 229, 120661.	4.5	29
692	Evaluation of Indian mustard ( <i>Brassica juncea</i> L.) varieties for productivity, profitability, energetics and carbon dynamics under diverse irrigation regimes and sulphur application rates. <i>Environmental Sustainability</i> , 0, , 1.	1.4	1
693	Avoiding burning practice and its consequences on the greenhouse gas emission in sugarcane areas southern Brazil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 719-730.	2.7	10
694	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

#	ARTICLE	IF	CITATIONS
695	Energy optimization in wheat establishment following rice residue management with Happy Seeder technology for reduced carbon footprints in north-western India. <i>Energy</i> , 2021, 230, 120680.	4.5	21
696	Energy budgeting and carbon footprints of zero-tilled pigeonpea-wheat cropping system under sole or dual crop basis residue mulching and Zn-fertilization in a semi-arid agro-ecology. <i>Energy</i> , 2021, 231, 120862.	4.5	40
697	Energy budgeting and carbon footprint in long-term integrated nutrient management modules in a cereal-legume ( <i>Zea mays</i> + <i>Cicer arietinum</i> ) cropping system. <i>Journal of Cleaner Production</i> , 2021, 314, 127900.	4.6	16
698	Accounting Carbon Footprints and Applying Data Envelopment Analysis to Optimize Input-Induced Greenhouse Gas Emissions Under Rice-Wheat Cropping System in North-Western India. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3030-3050.	1.7	12
699	Impact of Combine Harvester Technological Operations on Global Warming Potential. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8662.	1.3	7
700	Break-even price and carbon emissions of carinata-based sustainable aviation fuel production in the Southeastern United States. <i>GCB Bioenergy</i> , 2021, 13, 1800-1813.	2.5	18
701	Assessment of Greenhouse Gases Emission in Maize-Wheat Cropping System Under Varied N Fertilizer Application Using Cool Farm Tool. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	9
702	Spatial-temporal change of soil organic carbon in Anhui Province of East China. <i>Geoderma Regional</i> , 2021, 26, e00415.	0.9	8
703	Energy and carbon budgeting of traditional land use change with groundnut based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. <i>Journal of Environmental Management</i> , 2021, 293, 112892.	3.8	21
704	Density thresholds and the incorporation of biocontrol into decision-making to enhance the control of <i>Cacopsylla pyri</i> in pear (cv. Ercolini) orchards. <i>Pest Management Science</i> , 2022, 78, 116-125.	1.7	6
705	Global warming potential and energy dynamics of conservation tillage practices for different rabi crops in the Indo-Gangetic Plains. <i>Journal of Environmental Management</i> , 2021, 296, 113182.	3.8	17
706	Comparative analysis of the environmental impact of conventional and precision spring wheat fertilization under various meteorological conditions. <i>Journal of Environmental Management</i> , 2021, 296, 113150.	3.8	8
707	Soil respiration and net carbon flux response to long-term reduced/no-tillage with and without residues in a wheat-maize cropping system. <i>Soil and Tillage Research</i> , 2021, 214, 105182.	2.6	14
708	Greenhouse gas emissions, nitrogen dynamics and barley productivity as impacted by biosolids applications. <i>Agriculture, Ecosystems and Environment</i> , 2021, 320, 107577.	2.5	18
709	Designing productive, energy-efficient, and environmentally friendly production systems by replacing fallow period with annual forage cultivation on the Loess Plateau of China. <i>Journal of Cleaner Production</i> , 2021, 320, 128660.	4.6	14
710	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
711	Carbon footprint of a winter wheat-summer maize cropping system under straw and plastic film mulching in the Loess Plateau of China. <i>Science of the Total Environment</i> , 2021, 794, 148590.	3.9	24
712	Crop diversification practice faces a tradeoff between increasing productivity and reducing carbon footprints. <i>Agriculture, Ecosystems and Environment</i> , 2021, 321, 107614.	2.5	25



#	ARTICLE	IF	CITATIONS
713	Performance of cropland low-carbon use in China: Measurement, spatiotemporal characteristics, and driving factors. <i>Science of the Total Environment</i> , 2021, 800, 149552.	3.9	20
714	Crop and water productivity, energy auditing, carbon footprints and soil health indicators of Bt-cotton transplanting led system intensification. <i>Journal of Environmental Management</i> , 2021, 300, 113732.	3.8	18
715	Can a shift to regional and organic diets reduce greenhouse gas emissions from the food system? A case study from Qatar. <i>Carbon Balance and Management</i> , 2021, 16, 2.	1.4	10
716	Greenhouse Gas Mitigation Potential of Corn Ethanol: Accounting for Corn Acreage Expansion. , 2009, , 251-257.		2
717	Ecosystem Services in Agricultural Landscapes. , 2012, , 17-51.		10
718	Agronomic Interactions with CO2 Sequestration. , 2012, , 161-167.		2
719	The Application of Life Cycle Assessment on Agricultural Production Systems with Reference to Lignocellulosic Biogas and Bioethanol Production as Transport Fuels. <i>Green Energy and Technology</i> , 2013, , 37-78.	0.4	1
720	Conservation Agriculture and Soil Carbon Sequestration. , 2015, , 479-524.		11
721	Rural India as Key Factor to Cope with Climate Change. <i>Environmental Science and Engineering</i> , 2013, , 693-716.	0.1	1
722	Global Warming: Role of Livestock. , 2015, , 141-169.		8
723	Carbon Sequestration in Golf Course Turfgrass Systems and Recommendations for the Enhancement of Climate Change Mitigation Potential. , 2012, , 249-263.		3
724	Desertification and Soil Erosion. , 2014, , 369-378.		19
725	Abating Climate Change and Feeding the World Through Soil Carbon Sequestration. , 2014, , 443-457.		8
726	Soils and Ecosystem Services. , 2013, , 11-38.		7
727	Overview of Material and Energy Flows in Water Infrastructures in Context of Urban Metabolism. , 2013, , 3-14.		1
728	Financing Sustainable Agriculture under Climate Change with a Specific Focus on Foreign Aid. , 2018, , 329-367.		3
729	Agriculture organic wastes fermentation CO2 enrichment in greenhouse and the fermentation residues improve growth, yield and fruit quality in tomato. <i>Journal of Cleaner Production</i> , 2020, 275, 123885.	4.6	29
730	Ã%obilans de biocarburants : une revue des controverses. <i>Natures Sciences Societes</i> , 2008, 16, 337-347.	0.1	9

#	ARTICLE	IF	CITATIONS
731	Energy and Greenhouse Gases Balances of Cotton Farming in Iran: A Case Study. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2018, 66, 101-109.	0.2	4
732	Carbon Capture and Use as an Alternative to Carbon Capture and Storage. <i>Advances in Agroecology</i> , 2014, , 57-80.	0.3	6
733	Applying artificial neural networks and multi-objective genetic algorithm to modeling and optimization of energy inputs and greenhouse gas emissions for peanut production. <i>International Journal of Biosciences</i> , 2014, , 170-183.	0.4	1
734	Rapid Assessment of Ecosystem Services Provided by Two Mineral Extraction Sites Restored for Nature Conservation in an Agricultural Landscape in Eastern England. <i>PLoS ONE</i> , 2015, 10, e0121010.	1.1	15
735	A Global Meta-Analysis on the Impact of Management Practices on Net Global Warming Potential and Greenhouse Gas Intensity from Cropland Soils. <i>PLoS ONE</i> , 2016, 11, e0148527.	1.1	67
736	Can Novel Management Practice Improve Soil and Environmental Quality and Sustain Crop Yield Simultaneously?. <i>PLoS ONE</i> , 2016, 11, e0149005.	1.1	4
737	Carbon stocks and dynamics of different land uses on the Cerrado agricultural frontier. <i>PLoS ONE</i> , 2020, 15, e0241637.	1.1	25
738	The potential of jute crop for mitigation of greenhouse gas emission in the changing climatic scenario. <i>International Journal of Agricultural Sciences</i> , 2017, 13, 419-423.	0.0	3
739	RecuperaçãŁo de 15N-ureia no sistema solo-planta de pastagem de capim-tanzãŁnia. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 95-101.	0.5	8
740	Review Of Environmental, Economic And Policy Aspects Of Biofuels. <i>Policy Research Working Papers</i> , 2007, , .	1.4	127
741	Carbon sequestration in a nectarine orchard as affected by green manure in China. <i>European Journal of Horticultural Science</i> , 2015, 80, 208-215.	0.3	7
742	Calculation of the carbon footprint of Ontario wheat. <i>SURG Journal</i> , 2011, 4, 49-55.	0.1	6
743	Life Cycle Assessment to Study the Carbon Footprint of System Components for Colorado Blue Spruce Field Production and Use. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 3-11.	0.5	19
744	Carbon Footprint and Related Production Costs of System Components of a Field-Grown <i>Cercis canadensis</i> L. "Forest Pansy"™ Using Life Cycle Assessment. <i>Journal of Environmental Horticulture</i> , 2013, 31, 169-176.	0.3	9
745	An overview of organic agriculture: A potential strategy for climate change mitigation. <i>Journal of Applied and Natural Science</i> , 2014, 6, 872-879.	0.2	3
746	Preliminary Study on the Carbon Efficiency of Main Crops Production in North China Plain. <i>Acta Agronomica Sinica(China)</i> , 2011, 37, 1485-1490.	0.1	6
747	Effect of tillage pattern on soil greenhouse gases (CO <sub>2</sub> , CH <sub>4</sub> and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 100) 1295-1300.	0.1	2
748	Greenhouse gas emissions in double sequence pea-wheat rotation fields under different tillage conditions. <i>Chinese Journal of Eco-Agriculture</i> , 2013, 21, 921-930.	0.1	3

#	ARTICLE	IF	CITATIONS
749	REDUCTION IN ADVERSE ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE OPERATION OF COMBINE HARVESTERS DURING THE HARVESTING OF WINTER OILSEED RAPE. <i>Journal of Environmental Engineering and Landscape Management</i> , 2019, 27, 72-81.	0.4	8
751	Technical solutions for under-row weed control in vineyards: Efficacy, costs and environmental aspects analysis. <i>Journal of Agricultural Engineering</i> , 2020, 51, 36-42.	0.7	12
752	Comparison of Net Global Warming Potential and Greenhouse Gas Intensity Affected by Management Practices in Two Dryland Cropping Sites. <i>Journal of Environmental Protection</i> , 2015, 06, 1042-1056.	0.3	5
755	Mitigating Agricultural Greenhouse Gas Emissions: A Review of Scientific Information for Food System Planning. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 0, , 237-246.	2.4	5
756	Environmental impacts of irrigated and rain-fed barley production in Iran using life cycle assessment (LCA). <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e0204.	0.3	9
757	A Comparative Study of Energy Use and Greenhouse Gas Emissions of Canola Production. <i>International Journal of Agricultural Management and Development</i> , 2015, 5, 51.	0.1	26
758	Evaluation of energy balances and greenhouse gas emissions from different agricultural production systems in Minqin Oasis, China. <i>PeerJ</i> , 2019, 7, e6890.	0.9	11
759	ENERGY ASSESSMENT OF FORAGE PEA PRODUCTION UNDER INFLUENCE OF ORGANIC AND SYNTHETIC PRODUCTS. <i>Banat's Journal of Biotechnology</i> , 2014, V, 15-22.	0.4	1
760	Cost-Effective and Eco-Friendly Agricultural Technologies in Rice-Wheat Cropping Systems for Food and Environmental Security. , 2021, , 69-96.		3
761	Conservation agriculture improves soil physical properties and crop productivity: a long-term study in middle Indo-Gangetic Plains of India. <i>Soil Research</i> , 2021, , .	0.6	4
762	Agronomic and Environmental Performances of On-Farm Compost Production and Application in an Organic Vegetable Rotation. <i>Agronomy</i> , 2021, 11, 2073.	1.3	5
763	Ecological Design and Construction Strategies through Life Cycle Assessment of Carbon Budget for Urban Parks in Korea. <i>Forests</i> , 2021, 12, 1399.	0.9	8
764	Assessing the carbon capture potential of a reforestation project. <i>Scientific Reports</i> , 2021, 11, 19907.	1.6	25
765	Determination of energy and greenhouse gas as indexes for agro-ecosystems sustainability assessment in production. <i>Energy, Ecology and Environment</i> , 2022, 7, 154-172.	1.9	0
766	Anthropogenic Changes and the Global Carbon Cycle. , 2005, , 71-91.		1
767	Reduced environmental emissions and carbon sequestration.. , 2006, , 257-267.		2
768	A framework for evaluating the consumption patterns and environmental impacts of irrigation methods: a case study from South-Eastern Australia. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	1
769	Short Rotation Coppice in Italy: A Model to Asses Economic, Energetic and Environmental Performances of Different crop Systems. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
770	Crop residues for biofuel and increased soil erosion hazards. <i>Advances in Agroecology</i> , 2012, , 397-414.	0.3	0
771	Research and Development Priorities for Global Soil-Related Policies and Programs. , 2013, , 431-455.		0
772	Real-Time Modelling and Optimisation for Water and Energy Efficient Surface Irrigation. <i>Journal of Water Resource and Protection</i> , 2013, 05, 681-688.	0.3	5
773	Agronomic Interactions with CO2 Sequestration agronomic interactions with CO2 sequestration. , 2013, , 31-37.		0
774	A Comparison of Greenhouse Gas Emissions from Uruguayan and New Zealand Beef Systems. <i>Agrociencia</i> , 2013, 17, 120-130.	0.1	6
775	Comparison of GHG Emissions of Efficient and Inefficient Potato Producers Based on Data Envelopment Analysis. <i>Journal of Agricultural Engineering and Biotechnology</i> , 2013, , 81-88.	0.1	0
776	Energy Inputs In Pest Control Using Pesticides In New Zealand. , 2014, , 99-126.		0
777	Modeling and optimization of CO2 emissions for tangerine production using artificial neural networks and data envelopment analysis. <i>International Journal of Biosciences</i> , 2014, , 148-158.	0.4	1
779	Carbon Footprints of Rice Cultivation under Different Tillage Practices in Rice-wheat System. , 2015, , 325-332.		0
780	Analysis of energy and greenhouse gas balance as indexes for environmental assessment of wheat and maize farming: a case study. <i>Acta Agriculturae Slovenica</i> , 2014, 103, 191-201.	0.2	0
781	Carbon Uptake and Emissions of Apple Orchards as a Production-type Greenspace. <i>Journal of the Korean Institute of Landscape Architecture</i> , 2014, 42, 64-72.	0.1	3
782	Carbon Footprint and Related Production Costs of System Components for a Field-Grown Viburnum <i>Ä—juddi</i> Using Life Cycle Assessment. <i>Journal of Environmental Horticulture</i> , 2014, 32, 175-181.	0.3	3
783	Carbon Footprint and Related Production Costs of Pot-in-Pot System Components for Red Maple Using Life Cycle Assessment. <i>Journal of Environmental Horticulture</i> , 2015, 33, 103-109.	0.3	2
784	Structure and Function of Grass-Covered Orchards in Fujian Province, China. <i>Advances in Agroecology</i> , 2016, , 197-219.	0.3	0
785	Carbon Sequestration: Urban Ecosystems. , 2017, , 307-314.		0
786	Introduction to Terrestrial Carbon Sequestration. , 2017, , 327-341.		0
788	Novel measurement and verification of irrigation pumping energy conservation under incentive-based programmes. <i>Journal of Energy in Southern Africa</i> , 2018, 29, .	0.5	0
789	Agronomic Interactions with CO2 Sequestration. , 2018, , 1-7.		0

#	ARTICLE	IF	CITATIONS
790	T�rkkiye’de Farklı Aromatik Bitkilerin �cerilmesinde Sera Gazı Emisyonları (GHG) Belirlenmesi. Turkish Journal of Agricultural and Natural Sciences, 2019, 6, 90-96.	0.1	3
791	Energy use pattern and greenhouse gas emission in systems for greenhouse vegetable production. Agricultural Science and Technology, 2019, 11, 240-246.	0.0	1
792	Identifying sustainable and efficient broiler farms in the light of energy use efficiency and GHG emission reduction: data envelopment analysis approach. Sri Lanka Journal of Food and Agriculture, 2019, 5, 5.	0.1	0
793	Environmental Efficiency in Agricultural Sector. Perspectives on Development in the Middle East and North Africa, 2020, , 183-201.	0.1	0
794	Lessons Learnt from Long-term No-till Systems Regarding Soil Management in Humid Tropical and Subtropical Regions. , 2020, , 437-457.		1
795	What Is the Problem? Pesticides in Our Everyday Life. , 2020, , 1-125.		0
796	ENERGY USE EFFICIENCY AND GREEN HOUSE GAS EMISSIONS FROM INTEGRATED CROP-LIVESTOCK SYSTEMS IN SEMI-ARID ECOSYSTEM OF DECCAN PLATEAU IN SOUTHERN INDIA. Journal of Experimental Biology and Agricultural Sciences, 2020, 8, 98-110.	0.1	0
797	Characterization of the carbon assimilation of carob plantations in semi-arid conditions. Acta Horticulturae, 2020, , 241-246.	0.1	0
798	EMAG - National model for evaluating environmental impacts of cattle production systems in Uruguay. Agrociencia, 2020, 24, .	0.1	1
800	No-Till Farming Systems in South Asia. , 2020, , 459-476.		0
801	Energy Use Efficiency in Irrigated and Rainfed Wheat in Pakistan. , 0, , .		1
802	Carbon and Nitrogen Footprints Management for Environmental and Food Security. , 2021, , 115-153.		0
803	Quantifying Greenhouse Gas Emissions from Irrigated Rice Production Systems in Ghana. Journal of Environmental Protection, 2020, 11, 938-953.	0.3	2
804	Where Are the Solutions to the Pesticide Problem?. , 2020, , 223-295.		0
805	Impact of Climate Change on Crop Production: Effects and Management. , 2020, , 171-187.		0
806	Resource-use Efficiency of Wheat: Effect of Conservation Agriculture and Nitrogen Management Practices in Maize (Zea mays)‐Wheat (Triticum aestivum) Cropping System. International Journal of Current Microbiology and Applied Sciences, 2020, 9, 611-626.	0.0	4
807	Calculating carbon emissions in Turkish organic and conventional dried fig production. Acta Horticulturae, 2020, , 269-276.	0.1	1
808	Determination of Energy Balance and Greenhouse Gas Emissions (GHG) of Cotton Cultivation in Turkey: A Case Study from Bismil District of Diyarbakır Province. Journal of Tekirdag Agricultural Faculty, 2021, 18, 322-332.	0.2	4

#	ARTICLE	IF	CITATIONS
809	Sustainability Assessment and Optimization of Citrus Production Using Eco-Efficiency Index. Russian Agricultural Sciences, 2021, 47, 504-512.	0.1	0
810	Energy efficiency and carbon footprints of rice-wheat system under long-term tillage and residue management practices in western Indo-Gangetic Plains in India. Energy, 2022, 244, 122655.	4.5	13
811	CURRENT STATE AND PROSPECTS OF CARBON FARMING DEVELOPMENT IN THE REPUBLIC OF TATARSTAN. Vestnik of Kazan State Agrarin University, 2021, 16, 7-13.	0.5	9
812	Efficacy, Energy Budgeting, and Carbon Footprints of Weed Management in Blackgram (Vigna mungo) Tj ETQq1 1 0.784314 rgBT /Over 1.6	1.6	1
813	Reduction of Energy Consumption in Agriculture for Sustainable Green Future. , 2021, , 199-239.		0
814	Diversification of rice growing areas in Eastern India with integrated soil-crop system management for GHGs mitigation and higher productivity. Carbon Management, 2022, 13, 105-116.	1.2	3
815	Agriculture carbon-emission reduction and changing factors behind agricultural eco-efficiency growth in China. Journal of Cleaner Production, 2022, 334, 130193.	4.6	93
816	Assessment of energy saving and GHG reduction of winter oilseed rape production using sustainable strip tillage and direct sowing in three tillage technologies. Sustainable Energy Technologies and Assessments, 2022, 51, 101911.	1.7	4
817	Contribution of land use practices to GHGs in the Canadian Prairies crop sector. PLoS ONE, 2021, 16, e0260946.	1.1	5
818	Water, Energy and Carbon Tradeoffs of Groundwater Irrigation-Based Food Production: Case Studies from Fergana Valley, Central Asia. Sustainability, 2022, 14, 1451.	1.6	2
819	Agricultural Greenhouse Gas Fluxes Under Different Cover Crop Systems. Frontiers in Climate, 2022, 3, .	1.3	3
820	A metafrontier approach and fractional regression model to analyze the environmental efficiency of alternative tillage practices for wheat in Bangladesh. Environmental Science and Pollution Research, 2022, , 1.	2.7	2
821	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
822	Determination of Energy Use Efficiency and Greenhouse Gas (GHG) Emissions of Persimmon (Diospyros) Tj ETQq1 1 0.784314 rgBT /Over 0.5	0.5	2
823	Energy Balance and Greenhouse Gas (GHG) Emissions of Organic Fig (FicusÂcaricaÂL.) Production in Turkey. Erwerbs-Obstbau, 2022, 64, 61-67.	0.5	1
824	Complementary Nutrients in Decoupled Aquaponics Enhance Basil Performance. Horticulturae, 2022, 8, 111.	1.2	8
825	Soil carbon and nitrogen stocks in nitrogen-fertilized grass and legume-grass forage systems. Nutrient Cycling in Agroecosystems, 2022, 122, 105-117.	1.1	5
826	Analysis of Energy Input-Output of Farms and Assessment of Greenhouse Gas Emissions: A Case Study of Cotton Growers. Frontiers in Environmental Science, 2022, 9, .	1.5	46

#	ARTICLE	IF	CITATIONS
827	Farm electrification: A road-map to decarbonize the agriculture sector. <i>Electricity Journal</i> , 2022, 35, 107076.	1.3	11
828	Carbon footprint and net carbon gain of major long-term cropping systems under no-tillage. <i>Journal of Environmental Management</i> , 2022, 307, 114505.	3.8	10
829	Biomethane plants based on municipal solid waste and wastewater and its impact on vehicle sector in India – An Environmental-economic-resource assessment. <i>Environmental Technology and Innovation</i> , 2022, 26, 102330.	3.0	11
830	Energy and carbon budgeting of the pearl millet-wheat cropping system for environmentally sustainable agricultural land use planning in the rainfed semi-arid agro-ecosystem of Aravalli foothills. <i>Energy</i> , 2022, 246, 123389.	4.5	4
832	Spatiotemporal Optimization Management of Water-Nitrogen for Carbon Emissions Mitigation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
833	Push-pull technology improves carbon stocks in rainfed smallholder agriculture in Western Kenya. <i>Carbon Management</i> , 2022, 13, 127-141.	1.2	8
834	Oilseed Brassica Species Diversification and Crop Geometry Influence the Productivity, Economics, and Environmental Footprints under Semi-Arid Regions. <i>Sustainability</i> , 2022, 14, 2230.	1.6	4
835	The role of cover crops for cropland soil carbon, nitrogen leaching, and agricultural yields – a global simulation study with LPJmL (V. 5.0-tillage-cc). <i>Biogeosciences</i> , 2022, 19, 957-977.	1.3	15
836	No Tillage Increases SOM in Labile Fraction but Not Stable Fraction of Andosols from a Long-Term Experiment in Japan. <i>Agronomy</i> , 2022, 12, 479.	1.3	7
837	Agroforestry for controlling soil erosion and enhancing system productivity in ravine lands of Western India under climate change scenario. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 267.	1.3	17
838	Nitrogen management trade-offs in hybrid rice for agronomy, carbon, and energy efficiency. <i>Nutrient Cycling in Agroecosystems</i> , 0, , 1.	1.1	4
839	Pocket gopher disturbance slows soil carbon accumulation in abandoned agricultural lands. <i>Ecology</i> , 2022, 103, e3627.	1.5	5
840	Nitrogen Fertilization and Straw Management Economically Improve Wheat Yield and Energy Use Efficiency, Reduce Carbon Footprint. <i>Agronomy</i> , 2022, 12, 848.	1.3	4
841	Carbon footprint of maize planting under intensive subsistence cultivation in South Korea. <i>International Journal of Climate Change Strategies and Management</i> , 2023, 15, 301-321.	1.5	1
842	Estimating Carbon Budget from Growth and Management of Urban Street Trees in South Korea. <i>Sustainability</i> , 2022, 14, 4439.	1.6	2
843	Environmental impacts and resource use for sheep production in semi-arid India investigated by life cycle assessment. <i>Journal of Cleaner Production</i> , 2022, 345, 131088.	4.6	4
844	Techno-economic assessment of agricultural land remediation measures through nutrient management practices to achieve sustainable agricultural production. <i>Environmental Challenges</i> , 2022, 7, 100492.	2.0	8
845	Energy budgeting, carbon budgeting, and carbon footprints of straw and plastic film management for environmentally clean of wheat-maize intercropping system in northwestern China. <i>Science of the Total Environment</i> , 2022, 826, 154220.	3.9	12

#	ARTICLE	IF	CITATIONS
846	Designing energy cum carbon-efficient environmentally clean production system for achieving green economy in agriculture. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102190.	1.7	11
847	A Review on Carbon Source and Sink in Arable Land Ecosystems. <i>Land</i> , 2022, 11, 580.	1.2	15
848	Carbon balance model of groundwater system –A field application. <i>Journal of Hydrology</i> , 2022, 610, 127845.	2.3	3
850	Estimation and spatio-temporal divergence of the low-carbon performance of cropland use in China. <i>Journal of Natural Resources</i> , 2022, 37, 1148.	0.4	5
851	Surface soil organic carbon sequestration under post agricultural grasslands offset by net loss at depth. <i>Biogeochemistry</i> , 2022, 159, 303-313.	1.7	1
852	Carbon benefits of enlisting nature for crop protection. <i>Nature Food</i> , 2022, 3, 299-301.	6.2	5
853	Co-implementation of precision nutrient management in long-term conservation agriculture-based systems: A step towards sustainable energy-water-food nexus. <i>Energy</i> , 2022, 254, 124243.	4.5	6
854	Optimization of energy ratio, benefit to cost and greenhouses gasses using metaheuristic techniques (genetic and particular swarm algorithms) and data envelopment analysis: Recommendations for mitigation of inputs consumption (a case crop: edible onion). <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, .	1.3	2
855	Combing public-private partnership and large-scale farming increased net ecosystem carbon budget and reduced carbon footprint of maize production. <i>Resources, Conservation and Recycling</i> , 2022, 184, 106411.	5.3	11
857	Sustainable livelihood security of small farmers improved through a resilient farming system in the semiarid region of India. <i>Land Degradation and Development</i> , 2022, 33, 2830-2842.	1.8	9
860	Range Grasses to Improve Soil Properties, Carbon Sustainability and Fodder Security in Degraded Lands of Semi-Arid Regions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
861	Environmental Impact and Economic Benefits of Biofuel Production. <i>Clean Energy Production Technologies</i> , 2022, , 349-378.	0.3	2
862	Energy, Economic, and Environmental Assessment of Sweet Potato Production on Plantations of Various Sizes in South China. <i>Agronomy</i> , 2022, 12, 1290.	1.3	13
863	Decreased carbon footprint and increased grain yield under ridge-furrow plastic film mulch with ditch-buried straw returning: A sustainable option for spring maize production in China. <i>Science of the Total Environment</i> , 2022, 838, 156412.	3.9	4
864	Environmental Assessment and Cost Analysis of the Manufacturing, Transport, and Use of Actellic Super and Azadirachtin Insecticides for the Treatment of Maize Grains. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	0
865	Environmental impacts, human health, and energy consumption of nitrogen management for maize production in subtropical region. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75636-75650.	2.7	2
866	The Impact of Agricultural Production Efficiency on Agricultural Carbon Emissions in China. <i>Energies</i> , 2022, 15, 4464.	1.6	39
867	Agroforestry offers multiple ecosystem services in degraded lateritic soils. <i>Journal of Cleaner Production</i> , 2022, 365, 132768.	4.6	6



#	ARTICLE	IF	CITATIONS
868	Life Cycle Assessment of the Cultivation Processes for the Main Vegetable Crops in Southern Egypt. <i>Agronomy</i> , 2022, 12, 1527.	1.3	9
869	Long-Term Tillage and Irrigation Management Practices: Impact on Carbon Budgeting and Energy Dynamics under Rice-Wheat Rotation of Indian Mid-Himalayan Region. <i>Conservation</i> , 2022, 2, 388-401.	0.8	1
870	Determination of Energy Usage Efficiency and Greenhouse Gas Emissions of Lemon ( <i>Citrus limon</i> L.) Production in Turkey: A Case Study from Mersin Province. <i>Erwerbs-Obstbau</i> , 2023, 65, 861-869.	0.5	1
871	Pesticide Use and Associated Greenhouse Gas Emissions in Sugar Beet, Apples, and Viticulture in Austria from 2000 to 2019. <i>Agriculture (Switzerland)</i> , 2022, 12, 879.	1.4	12
872	Carbon and water footprints of major crop production in India. <i>Pedosphere</i> , 2023, 33, 448-462.	2.1	4
873	Energy budgeting and carbon footprint of contrasting tillage and residue management scenarios in rice-wheat cropping system. <i>Soil and Tillage Research</i> , 2022, 223, 105445.	2.6	13
874	Legumes to reduce ecological footprints for climate-smart cropping systems. , 2022, , 403-420.		2
875	Sensitivity analysis of greenhouse gas emissions at farm level: case study of grain and cash crops. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82559-82573.	2.7	42
876	Long-term evidence for ecological intensification as a pathway to sustainable agriculture. <i>Nature Sustainability</i> , 2022, 5, 770-779.	11.5	48
877	Carbon sequestering fertilizers as a tool for carbon sequestration in agriculture under aridisols. <i>Carbon Letters</i> , 2022, 32, 1631-1644.	3.3	5
878	Experimental Study on Droplet Characteristics of Rotating Sprinklers with Circular Nozzles and Diffuser. <i>Agriculture (Switzerland)</i> , 2022, 12, 987.	1.4	6
879	An Analysis of Energy Use Efficiency and Environmental Prices of Grapefruit ( <i>Citrus Paradisi</i> ) Production in Turkey: A Case of Hatay Province. <i>Erwerbs-Obstbau</i> , 2023, 65, 871-878.	0.5	2
880	Effects of Alternative Fertilization and Irrigation Practices on the Energy Use and Carbon Footprint of Canning Peach Orchards. <i>Sustainability</i> , 2022, 14, 8583.	1.6	1
881	Environmental Issues: Greenhouse Gas Emissions. , 2023, , .		0
882	Net greenhouse gas balance with cover crops in semi-arid irrigated cropping systems. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
883	Net global warming potential and greenhouse gas intensity in organic and conventional wheat-based farming systems. <i>Agronomy Journal</i> , 0, , .	0.9	0
884	Embracing a footprint assessment approach for analyzing desert-based agricultural systems: the case of Medjool dates. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	1
885	Carbon Footprint Assessment and Energy Budgeting of Different Annual and Perennial Forage Cropping Systems: A Study from the Semi-Arid Region of Karnataka, India. <i>Agronomy</i> , 2022, 12, 1783.	1.3	7

#	ARTICLE	IF	CITATIONS
886	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
887	Integrated agroforestry systems improve soil carbon storage, water productivity, and economic returns in the marginal land of the semi-arid region. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103427.	1.8	9
888	Range grasses to improve soil properties, carbon sustainability, and fodder security in degraded lands of semi-arid regions. <i>Science of the Total Environment</i> , 2022, 851, 158211.	3.9	11
889	Efficiency of different cropping systems for sustaining productivity in middle Indo-Gangetic Plains. , 2022, 92, 996-1000.		1
890	Wheat Drilling Directly in Combine Harvested Paddy Fields: a Comparative Input-Output Energy Analysis. <i>Journal of Biosystems Engineering</i> , 2022, 47, 370-385.	1.2	0
891	Energy inputâ€œoutput analysis and greenhouse gas emission in okra and tomato production in Chotanagpur plateau region of India. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	0
892	Daily, seasonal and inter-annual variations in CO2 fluxes and carbon budget in a winter-wheat and summer-maize rotation system in the North China Plain. <i>Agricultural and Forest Meteorology</i> , 2022, 324, 109098.	1.9	6
893	Reducing Energy Use and Greenhouse Gas Emissions in Greenhouse Tomato Production with Input Optimization Approach: The Case of Antalya Province. <i>Journal of the Institute of Science and Technology</i> , 2022, 12, 1808-1819.	0.3	1
894	Assessment of small-scale biogas digesters and its impact on the household cooking sector in India: Environmental-resource-economic analysis. <i>Energy for Sustainable Development</i> , 2022, 70, 170-180.	2.0	8
895	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
896	Alternative cropping systems and optimized management practices for saving groundwater and enhancing economic and environmental sustainability. <i>Agricultural Water Management</i> , 2022, 272, 107840.	2.4	2
897	The United States and China on the paths and policies to carbon neutrality. <i>Journal of Environmental Management</i> , 2022, 320, 115785.	3.8	54
898	Estimation and spatiotemporal analysis of the carbon-emission efficiency of crop production in China. <i>Journal of Cleaner Production</i> , 2022, 371, 133516.	4.6	18
899	How does agricultural specialization affect carbon emissions in China?. <i>Journal of Cleaner Production</i> , 2022, 370, 133463.	4.6	44
900	Estimating smart energy inputs packages using hybrid optimisation technique to mitigate environmental emissions of commercial fish farms. <i>Applied Energy</i> , 2022, 326, 119602.	5.1	63
901	Phosphorus supply chain for sustainable food production will have mitigated environmental pressure with region-specific phosphorus management. <i>Resources, Conservation and Recycling</i> , 2023, 188, 106686.	5.3	3
902	Preceding crops changed greenhouse gases emission and carbon neutrality under maize-rice and double rice cropping systems. <i>Archives of Agronomy and Soil Science</i> , 0, , 1-16.	1.3	0
903	Status of Agricultural Mechanization in Ghana: Insight from Farmersâ€™ Perception, Population, and Nonagricultural Sector Growth. <i>Advances in Agriculture</i> , 2022, 2022, 1-7.	0.3	0

#	ARTICLE	IF	CITATIONS
904	Determination of Energy-Economic Balance and Greenhouse Gas (GHG). <i>Erwerbs-Obstbau</i> , 2022, 64, 759-766.	0.5	4
905	Estimation of carbon emissions of agricultural machinery use in India. <i>Oryza</i> , 2022, 59, 260-268.	0.2	0
906	Effects of tillage and cropping sequences on crop production and environmental benefits in the North China Plain. <i>Environmental Science and Pollution Research</i> , 2023, 30, 17629-17643.	2.7	3
908	Investigation the nexus between CO2 emissions, agricultural land, crop, and livestock production in Pakistan. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
909	Carbon Footprint Management by Agricultural Practices. <i>Biology</i> , 2022, 11, 1453.	1.3	16
910	Residue retention and nitrogen management of preceding crops influences the productivity, profitability and environmental footprints of summer mungbean in maize-based cropping systems under conservation agriculture. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 1990-2005.	1.3	0
911	Forage production and persistence characteristics of grazed native warm-season grass mixtures with or without nitrogen fertilizer. , 0, , .		0
912	Protecting the Amazon forest and reducing global warming via agricultural intensification. <i>Nature Sustainability</i> , 2022, 5, 1018-1026.	11.5	22
913	Environmental and Energy Analysis of Two Orchard Systems: A Case Study in Mediterranean Environment. <i>Agronomy</i> , 2022, 12, 2556.	1.3	2
914	Organic Agriculture and Greenhouse Gas Emissions. , 2023, , 129-175.		0
915	Ecological agricultural production mode and carbon footprint accounting based on low carbon economy. <i>Proceedings of the Indian National Science Academy</i> , 2022, 88, 796-801.	0.5	1
916	Life cycle greenhouse gas emissions from five contrasting rice production systems in the tropics. <i>Pedosphere</i> , 2023, 33, 960-971.	2.1	0
917	Effect of Tillage and Sowing Technologies Nexus on Winter Wheat Production in Terms of Yield, Energy, and Environment Impact. <i>Agronomy</i> , 2022, 12, 2713.	1.3	1
918	Spatiotemporally optimize water-nitrogen management of crop planting in response to carbon emissions mitigation. <i>Journal of Cleaner Production</i> , 2022, 380, 134974.	4.6	4
919	Assessment of agricultural residue-based electricity production from biogas in India: Resource-environment-economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 54, 102843.	1.7	4
920	Optimizing crop rotation increases soil carbon and reduces GHG emissions without sacrificing yields. <i>Agriculture, Ecosystems and Environment</i> , 2023, 342, 108220.	2.5	13
921	Evaluation of weed competitiveness of direct-seeded rice ( <i>Oryza sativa</i> ) genotypes under different weed management practices. , 2020, 90, 914-918.		0
922	Designing Resource-Efficient and Environmentally Safe Cropping Systems for Sustainable Energy Use and Economic Returns in Indo-Gangetic Plains, India. <i>Sustainability</i> , 2022, 14, 14636.	1.6	4

#	ARTICLE	IF	CITATIONS
923	Effects of Water Source and Technology on Energy Use and Environmental Impacts of Rice Production in Northern Iran. <i>Water Resources Research</i> , 2022, 58, .	1.7	2
924	An Investigation on the Energy Balance and Greenhouse Gas Emissions of Orange Production in Turkey. <i>Energies</i> , 2022, 15, 8591.	1.6	6
925	Role of Agricultural Soil Mulching on Net Global Warming Potential and Greenhouse Gas Intensity of Different Cropping Systems. , 2022, , 377-404.		0
926	Agricultural environmental footprint index based on planetary boundary: Framework and case on Chinese agriculture. <i>Journal of Cleaner Production</i> , 2023, 385, 135699.	4.6	5
927	Productivity, profitability, quality and nutrient uptake of heat tolerant wheat ( <i>Triticum aestivum</i> ) cultivars as influenced by staggered sowing and nutrition levels. , 2019, 89, .		2
928	Crop diversification for enhancing the productivity for food and nutritional security under the Eastern Himalayas. , 2019, 89, .		9
929	Production potential, economics and energetics of rice ( <i>Oryza sativa</i> ) genotypes as influenced by varying levels of nitrogen. , 2019, 89, .		3
930	Effect of nitrogen point placement on energetic and soil enzymatic activities on long-term conservation agriculture based maize ( <i>Zea mays</i> ) - wheat ( <i>Triticum aestivum</i> ) system of western Indo-Gangetic plains. , 2019, 89, .		3
931	Agricultural Production, Renewable Energy Consumption, Foreign Direct Investment, and Carbon Emissions: New Evidence from Africa. <i>Atmosphere</i> , 2022, 13, 1981.	1.0	13
932	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
933	The Reduction of Greenhouse Gas Emissions and Energy Optimization in Apricot Production in Turkey. <i>Erwerbs-Obstbau</i> , 2023, 65, 1207-1216.	0.5	1
934	Integrated nutrient management in spring-maize improves yield, nutrient use efficiency and minimizes greenhouse gas intensity. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 2522-2536.	1.3	1
936	Determination of Energy Usage and Greenhouse Gas Emissions in Lavender Production. <i>Revista De Investigaciones Universidad Del Quindío</i> , 2022, 34, 192-202.	0.1	2
937	The Coupling and Coordination of Agricultural Carbon Emissions Efficiency and Economic Growth in the Yellow River Basin, China. <i>Sustainability</i> , 2023, 15, 971.	1.6	8
939	The Impact of Financial System on Carbon Intensity: From the Perspective of Digitalization. <i>Sustainability</i> , 2023, 15, 1314.	1.6	3
940	Intensification of Rice-Fallow Agroecosystem of South Asia with Oilseeds and Pulses: Impacts on System Productivity, Soil Carbon Dynamics and Energetics. <i>Sustainability</i> , 2023, 15, 1054.	1.6	2
941	Can agricultural heritage systems keep clean production in the context of modernization? A case study of Qingtian Rice-Fish Culture System of China based on carbon footprint. <i>Sustainability Science</i> , 2023, 18, 1397-1414.	2.5	4
942	Analysis of Energy Use Efficiency and Greenhouse Gas Emission in Rainfed Canola Production (Case) $T_j ETQq1 1 0.784314 \text{ rgBT} / \text{Over}$	0.2	

#	ARTICLE	IF	CITATIONS
943	Energy-Carbon Footprint, Productivity and Profitability of Barley Cultivars under Contrasting Tillage-Residue Managements in Semi-Arid Plains of North-West India. <i>Journal of Soil Science and Plant Nutrition</i> , 0, .	1.7	3
944	Evaluation of energy indices and greenhouse gas emissions in major horticultural crops and paddy crops in Tajan plain. <i>Applied Water Science</i> , 2023, 13, .	2.8	3
945	Impact of land use reformation on soil hydraulic properties and recovery potential of conservation tillage in India's North-West Himalayan region. <i>Ecohydrology and Hydrobiology</i> , 2023, 23, 290-303.	1.0	4
946	Energy Use in Punjab Agriculture: Input-Output Analysis. , 2022, , 1-12.		0
947	Rotary Ripper: A Possible Solution to Increase the Efficiency of Tillage Operations. <i>Agronomy</i> , 2023, 13, 365.	1.3	2
948	Strategies for reducing inputs and emissions in turfgrass systems. <i>Crop, Forage and Turfgrass Management</i> , 2023, 9, .	0.2	0
949	Methane mitigation strategy for food waste management: Balancing socio-economic acceptance and environmental impacts. <i>Sustainable Production and Consumption</i> , 2023, 37, 389-397.	5.7	6
950	Carbon footprint and energy use in jute and allied fibre production. , 2018, 88, 1305-1311.		17
951	Soil Health, Energy Budget, and Rice Productivity as Influenced by Cow Products Application With Fertilizers Under South Asian Eastern Indo-Gangetic Plains Zone. <i>Frontiers in Agronomy</i> , 0, 3, .	1.5	7
952	Promoting green development of agriculture based on low-carbon policies and green preferences: an evolutionary game analysis. <i>Environment, Development and Sustainability</i> , 2024, 26, 6443-6470.	2.7	11
953	Efficiency analysis of watermelon under plastic film mulching systems. <i>Cleaner Environmental Systems</i> , 2023, 8, 100107.	2.2	1
954	Greenhouse gases emission from agricultural soil: A review. <i>Journal of Agriculture and Food Research</i> , 2023, 11, 100533.	1.2	19
955	Agroecological practices in organic fennel cultivation to improve environmental sustainability. <i>Agroecology and Sustainable Food Systems</i> , 2023, 47, 668-686.	1.0	1
956	A functional trait framework for integrating nitrogen-fixing cover crops into short-rotation woody crop systems. <i>GCB Bioenergy</i> , 2023, 15, 663-679.	2.5	0
957	Variation in methodology obscures clarity of cropland global warming potential estimates. <i>Journal of Environmental Quality</i> , 2023, 52, 549-557.	1.0	3
958	Machine Learning Models of Exergoenvironmental Damages and Emissions Social Cost for Mushroom Production. <i>Agronomy</i> , 2023, 13, 737.	1.3	18
959	Africa's Policy and Technology Options: Linking Agricultural Mechanisation to Social Protection Targets. , 2023, , 35-59.		0
960	Water use, energy use efficiency and carbon footprint of transplanted rice ( <i>Oryza sativa</i> ) in response to surface drainage. , 2018, 88, 540-545.		2

#	ARTICLE	IF	CITATIONS
961	Agriculture-related green house gas emissions and mitigation measures. <i>Advances in Agronomy</i> , 2023, , 257-376.	2.4	0
962	Jute and kenaf carrier bags: an eco-friendly alternative to plastic bags in India. <i>Environmental Science and Pollution Research</i> , 2023, 30, 61904-61912.	2.7	1
964	Food production potential and environmental sustainability of different integrated farming system models in northwest India. <i>Frontiers in Sustainable Food Systems</i> , 0, 7, .	1.8	3
965	Development of Integrated Farming System Modelâ€”A Step towards Achieving Biodiverse, Resilient and Productive Green Economy in Agriculture for Small Holdings in India. <i>Agronomy</i> , 2023, 13, 955.	1.3	2
966	Impacts of improved irrigation application efficiency and groundwater levels on energy use for crop production in a semi-arid region of India. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	1
967	Energy Budgeting and Carbon Footprints Estimation of Fodder Maize Varieties Sown under Different Nutrient Management Practices in Indo-Gangetic Plains of India. <i>Agronomy</i> , 2023, 13, 981.	1.3	4
969	Can adoption of climate resilient management practices achieve carbon neutrality in traditional green revolution states of Punjab and Haryana?. <i>Journal of Environmental Management</i> , 2023, 338, 117761.	3.8	1
970	Resource Use Efficiency Estimation and Technology Verification Trial for Sustainable Improvement in Paddy Production: An Action-Based Research. <i>International Journal of Plant Production</i> , 2023, 17, 337-352.	1.0	1
971	Estimating energy consumption and GHG emissions in crop production: A machine learning approach. <i>Journal of Cleaner Production</i> , 2023, 408, 137242.	4.6	5
972	Analysis of Energy Use Efficiency and Greenhouse Gas Emissions of Lemon ( <i>Citrus lemon</i> ÂŁ.) Production in Turkey. <i>Erwerbs-Obstbau</i> , 2023, 65, 1705-1712.	0.5	2
973	Carbon management strategies for sustainable food production systems. , 2023, , 69-98.		0
979	ML-Based Prediction ofÂCarbon Emissions forÂPotato Farms inÂIran. <i>IFIP Advances in Information and Communication Technology</i> , 2023, , 352-361.	0.5	0
1035	Spatial prediction of soil organic carbon and its stocks using digital soil mapping approach. , 2024, , 411-428.		0
1039	Non-Geologic Storage of CO2. , 2024, , .		0
1047	Topsoil Regeneration and Bio-sequestration. <i>Earth and Environmental Sciences Library</i> , 2024, , 123-157.	0.3	0