

# Food Security: The Challenge of Feeding 9 Billion People

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Citation Report

#	ARTICLE	IF	CITATIONS
5	A Neural Basis for Expert Object Recognition. <i>Psychological Science</i> , 2001, 12, 43-47.	1.8	429
6	ENSO Impact on the Spaceâ€‘Time Evolution of the Regional Asian Summer Monsoons. <i>Journal of Climate</i> , 2007, 20, 2397-2415.	1.2	46
7	Index to Volumes VA and VB. , 2008, , 865-915.		2
8	Informing food policy: balancing the evidence. <i>Proceedings of the Nutrition Society</i> , 2010, 69, 621-627.	0.4	4
9	The top 100 questions of importance to the future of global agriculture. <i>International Journal of Agricultural Sustainability</i> , 2010, 8, 219-236.	1.3	405
10	Tackling the threat to food security caused by crop pests in the new millennium. <i>Food Security</i> , 2010, 2, 133-141.	2.4	59
11	Bt crops and food security in developing countries: realised benefits, sustainable use and lowering barriers to adoption. <i>Food Security</i> , 2010, 2, 247-259.	2.4	44
12	The importance of plant health to food security. <i>Food Security</i> , 2010, 2, 215-231.	2.4	175
13	From genome studies to agricultural biotechnology: closing the gap between basic plant science and applied agriculture. <i>Current Opinion in Plant Biology</i> , 2010, 13, 115-118.	3.5	15
14	Integrating water and agricultural management under climate change. <i>Science of the Total Environment</i> , 2010, 408, 5619-5622.	3.9	12
15	More genomic resources for less-studied crops. <i>Trends in Biotechnology</i> , 2010, 28, 452-460.	4.9	135
16	Common and distinct organ and stress responsive transcriptomic patterns in <i>Oryza sativa</i> and <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2010, 10, 262.	1.6	42
17	New developments in recirculating aquaculture systems in Europe: A perspective on environmental sustainability. <i>Aquacultural Engineering</i> , 2010, 43, 83-93.	1.4	613
18	Feeding the World Today and Tomorrow: The Importance of Food Science and Technology. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2010, 9, 572-599.	5.9	248
19	How I became a biochemist. <i>IUBMB Life</i> , 2010, 62, 531-534.	1.5	0
21	Food production, crops and sustainability: restoring confidence in science and technology. <i>Current Opinion in Environmental Sustainability</i> , 2010, 2, 439-443.	3.1	43
22	Who needs a greener revolution?. <i>EMBO Reports</i> , 2010, 11, 659-663.	2.0	3
23	1 out of 27â€‘European politicians score poorly in agbiotech. <i>Nature Biotechnology</i> , 2010, 28, 551-552.	9.4	1

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24	Global Patterns of Cropland Use Intensity. <i>Remote Sensing</i> , 2010, 2, 1625-1643.	1.8	117
25	Ecosystem Services and Food Security: Economic Perspectives on Environmental Sustainability. <i>Sustainability</i> , 2010, 2, 3520-3548.	1.6	71
26	Population Growth, Climate Change and Water Scarcity in the Southwestern United States. <i>American Journal of Environmental Sciences</i> , 2010, 6, 249-252.	0.3	26
27	Increased crop failure due to climate change: assessing adaptation options using models and socio-economic data for wheat in China. <i>Environmental Research Letters</i> , 2010, 5, 034012.	2.2	180
28	Shifting human diets and agricultural nutrient management. <i>Journal of Soils and Water Conservation</i> , 2010, 65, 63A-66A.	0.8	6
29	Increased Food and Ecosystem Security via Perennial Grains. <i>Science</i> , 2010, 328, 1638-1639.	6.0	397
30	Forecasting potential global environmental costs of livestock production 2000â€“2050. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18371-18374.	3.3	263
31	Ecosystem-based fisheries management requires a change to the selective fishing philosophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9485-9489.	3.3	280
32	LaeA Control of Velvet Family Regulatory Proteins for Light-Dependent Development and Fungal Cell-Type Specificity. <i>PLoS Genetics</i> , 2010, 6, e1001226.	1.5	233
34	The future of the global food system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2769-2777.	1.8	458
35	The roots of a new green revolution. <i>Trends in Plant Science</i> , 2010, 15, 600-607.	4.3	390
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37	Toward a whole-landscape approach for sustainable land use in the tropics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19627-19632.	3.3	243
38	Feeding nine billion: the challenge to sustainable crop production. <i>Journal of Experimental Botany</i> , 2011, 62, 5233-5239.	2.4	138
39	Linking Policy on Climate and Food. <i>Science</i> , 2011, 331, 1013-1014.	6.0	127
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42	Design, engineering and utility of biotic games. <i>Lab on A Chip</i> , 2011, 11, 14-22.	3.1	62

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44	Does the Consumption of Farmed Animal Products Cause Human Hunger?. <i>Journal of Hunger and Environmental Nutrition</i> , 2011, 6, 353-377.	1.1	3
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48	Why not beans?. <i>Functional Plant Biology</i> , 2011, 38, iii.	1.1	10
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50	Greenhouse-gas emissions from energy use in the water sector. <i>Nature Climate Change</i> , 2011, 1, 210-219.	8.1	333
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58	Solutions for a cultivated planet. <i>Nature</i> , 2011, 478, 337-342.	13.7	5,821
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62	Integrating Agriculture, Conservation and Ecotourism: Examples from the Field. Integrated Science & Technology Program, 2011, , .	0.7	13
63	Crops Yield Increase Under Water-Limited Conditions: Review of Recent Physiological Advances for Soybean Genetic Improvement. Advances in Agronomy, 2011, , 325-349.	2.4	24
64	Toward a Regional and World Geography under a Changed Climate. Eurasian Geography and Economics, 2011, 52, 1-11.	1.7	6
65	Norman Borlaug: The Man I Worked With and Knew. Annual Review of Phytopathology, 2011, 49, 17-30.	3.5	4
66	No Fitness Cost for Wheat's &lt;I&gt;H&lt;/I&gt; Gene-Mediated Resistance to Hessian Fly (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlaid	0.8	27
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80	Understanding plant response to nitrogen limitation for the improvement of crop nitrogen use efficiency. <i>Journal of Experimental Botany</i> , 2011, 62, 1499-1509.	2.4	485
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149	Global Prospects Rooted in Soil Science. <i>Soil Science Society of America Journal</i> , 2011, 75, 1-8.	1.2	67
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175	Community food growing and the role of women in the alternative economy in Tower Hamlets. <i>Local Economy</i> , 2012, 27, 877-882.	0.8	6
176	Mycorrhizal Networks: Common Goods of Plants Shared under Unequal Terms of Trade. <i>Plant Physiology</i> , 2012, 159, 789-797.	2.3	332
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1751	First Discovery of Polycarpine, Polycarpaurines A and C, and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4264-4272.	2.4	20
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1855	Analysis of Food Hub Commerce and Participation Using Agent-Based Modeling. <i>Human Factors</i> , 2016, 58, 58-79.	2.1	16
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1859	Simulating Temperature Impacts on Crop Production Using MONICA. <i>Springer Water</i> , 2016, , 503-518.	0.2	3
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1880	Global food supply: land use efficiency of livestock systems. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 747-758.	2.2	156
1881	PGSB/MIPS Plant Genome Information Resources and Concepts for the Analysis of Complex Grass Genomes. <i>Methods in Molecular Biology</i> , 2016, 1374, 165-186.	0.4	2

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1884	Reuse of fish pond sediments as fertilizer for fodder grass production in Bangladesh: Potential for sustainable intensification and improved nutrition. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 226-236.	2.5	58
1885	Construction of a versatile SNP array for pyramiding useful genes of rice. <i>Plant Science</i> , 2016, 242, 131-139.	1.7	33
1886	From food security to the enactment of change: introduction to the symposium. <i>Agriculture and Human Values</i> , 2016, 33, 135-139.	1.7	4
1887	An integrated theoretical framework to enhance resource efficiency, sustainability and human health in agri-food systems. <i>Journal of Cleaner Production</i> , 2016, 120, 164-169.	4.6	46
1888	A study on metabolic prowess of <i>Pseudomonas</i> sp. RPT 52 to degrade imidacloprid, endosulfan and coragen. <i>Journal of Hazardous Materials</i> , 2016, 301, 250-258.	6.5	58
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1894	Linking soils to ecosystem services " A global review. <i>Geoderma</i> , 2016, 262, 101-111.	2.3	734
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1897	Investigating the drivers of innovation diffusion in a low income country context. The case of adoption of improved maize seed in Malawi. <i>Futures</i> , 2016, 81, 161-175.	1.4	17
1898	Quantitative proteomics study on Lsi1 in regulation of rice ( <i>Oryza sativa</i> L.) cold resistance. <i>Plant Growth Regulation</i> , 2016, 78, 307-323.	1.8	31
1899	The phenome analysis of mutant alleles in Leucine-Rich Repeat Receptor-Like Kinase genes in rice reveals new potential targets for stress tolerant cereals. <i>Plant Science</i> , 2016, 242, 240-249.	1.7	27
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1902	Functional molecular markers for crop improvement. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 917-930.	5.1	63
1903	Wood polymer composites and their contribution to cascading utilisation. <i>Journal of Cleaner Production</i> , 2016, 110, 9-15.	4.6	116
1904	Addressing food supply chain and consumption inefficiencies: potential for climate change mitigation. <i>Regional Environmental Change</i> , 2016, 16, 2279-2290.	1.4	36
1905	Imaging the interaction of roots and phosphate fertiliser granules using 4D X-ray tomography. <i>Plant and Soil</i> , 2016, 401, 125-134.	1.8	67
1906	Biochar helps enhance maize productivity and reduce greenhouse gas emissions under balanced fertilization in a rainfed low fertility inceptisol. <i>Chemosphere</i> , 2016, 142, 106-113.	4.2	149
1908	Environmental impacts of food consumption in Europe. <i>Journal of Cleaner Production</i> , 2017, 140, 753-765.	4.6	344
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1925	Offshore aquaculture: Spatial planning principles for sustainable development. <i>Ecology and Evolution</i> , 2017, 7, 733-743.	0.8	128
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1979	A systematic conservation strategy for crop wild relatives in the Czech Republic. <i>Diversity and Distributions</i> , 2017, 23, 448-462.	1.9	19
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1996	Plant Growth Enhancement of Seeds Immersed in Plasma Activated Water. <i>MRS Advances</i> , 2017, 2, 995-1000.	0.5	38
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2034	The influence of land-use change paradigm on Romaniaâ€™s agro-food trade competitivenessâ€™An overview. <i>Land Use Policy</i> , 2017, 61, 293-301.	2.5	26
2035	Towards ecologically sustainable crop production: A South African perspective. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 108-119.	2.5	21
2036	Sustainability constraints in determining European bioenergy potential: A review of existing studies and steps forward. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 719-734.	8.2	70
2037	Reconciling opposing soil processes in row-crop agroecosystems via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 99-107.	2.5	23
2038	A web app for population viability and harvesting analyses. <i>Natural Resource Modelling</i> , 2017, 30, .	0.8	8
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2062	Nutritional modulation of health, egg quality and environmental pollution of the layers. <i>Animal Nutrition</i> , 2017, 3, 91-96.	2.1	38
2063	Navigating veterinary borderlands: "heiferlumps"™, epidemiological boundaries and the control of animal disease in New Zealand. <i>Transactions of the Institute of British Geographers</i> , 2017, 42, 153-165.	1.8	25
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2066	Impacts of farmers' management styles on income and labour under alternative extensive land use scenarios. <i>Agricultural Systems</i> , 2017, 155, 168-178.	3.2	9
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2072	Brazilian Agriculture in Perspective. <i>Advances in Agronomy</i> , 2017, 141, 53-114.	2.4	16
2073	Genome edited animals: Learning from GM crops?. <i>Transgenic Research</i> , 2017, 26, 385-398.	1.3	24
2074	Plastic mulch and indigenous microorganism effects on yield and yield components of cauliflower and tomato in inland and coastal regions of Bangladesh. <i>Journal of Crop Improvement</i> , 2017, 31, 261-279.	0.9	21
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2590	A New Barley Stripe Mosaic Virus Allows Large Protein Overexpression for Rapid Function Analysis. <i>Plant Physiology</i> , 2018, 176, 1919-1931.	2.3	39
2591	Ecological and economic benefits of integrating sheep into viticulture production. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	33
2592	Transitioning from phosphate mining to agriculture: Responses to urea and slow release fertilizers for <i>Sorghum bicolor</i> . <i>Science of the Total Environment</i> , 2018, 625, 1-7.	3.9	18
2593	Land-use change emissions from soybean feed embodied in Brazilian pork and poultry meat. <i>Journal of Cleaner Production</i> , 2018, 172, 2646-2654.	4.6	33
2594	Green niche actors navigating an opaque opportunity context: Prospects for a sustainable transformation of Ethiopian agriculture. <i>Land Use Policy</i> , 2018, 71, 409-421.	2.5	28
2595	Wheat genome editing expedited by efficient transformation techniques: Progress and perspectives. <i>Crop Journal</i> , 2018, 6, 22-31.	2.3	29
2596	Diagnosing institutional logics in partnerships and how they evolve through institutional bricolage: Insights from soybean and cassava value chains in Ghana. <i>Njas - Wageningen Journal of Life Sciences</i> , 2018, 84, 13-26.	7.9	22
2597	Can overcompensation increase crop production?. <i>Ecology</i> , 2018, 99, 270-280.	1.5	23
2598	Plant-associated <i>Bacillus</i> modulates the expression of auxin-responsive genes of rice and modifies the root architecture. <i>Rhizosphere</i> , 2018, 5, 57-66.	1.4	89
2599	Interspecific and intergeneric hybridization as a source of variation for wheat grain quality improvement. <i>Theoretical and Applied Genetics</i> , 2018, 131, 225-251.	1.8	40
2600	What Tree Species Work Best for Reforestation? Human Perceptions and Beliefs in Ghana's High Forest Zone. <i>Small-Scale Forestry</i> , 2018, 17, 243-258.	0.7	5
2601	Bridging funding gaps for climate and sustainable development: Pitfalls, progress and potential of private finance. <i>Land Use Policy</i> , 2018, 71, 335-346.	2.5	142
2602	Extractive industries and Indigenous subsistence economies: a complex and unresolved relationship. <i>Canadian Journal of Development Studies</i> , 2018, 39, 137-154.	1.7	10
2603	Uptake and effects of the antimicrobial florfenicol, microplastics and their mixtures on freshwater exotic invasive bivalve <i>Corbicula fluminea</i> . <i>Science of the Total Environment</i> , 2018, 622-623, 1131-1142.	3.9	185
2604	The invasive potential of tilapias ( <i>Osteichthyes</i> , <i>Cichlidae</i> ) in the Americas. <i>Hydrobiologia</i> , 2018, 817, 133-154.	1.0	35
2605	Identification of the critical transmission sectors and typology of industrial water use for supply-chain water pressure mitigation. <i>Resources, Conservation and Recycling</i> , 2018, 131, 305-312.	5.3	19
2606	Could taxonomic misnaming threaten the ex situ conservation and the usage of plant genetic resources?. <i>Biodiversity and Conservation</i> , 2018, 27, 1157-1172.	1.2	10

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2607	Induction of Targeted Deletions in Transgenic Bread Wheat ( <i>Triticum aestivum</i> L.) Using Customized Meganuclease. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 71-81.	1.0	5
2608	Responses of candidate green super rice and super hybrid rice varieties to simplified and reduced input practice. <i>Field Crops Research</i> , 2018, 218, 78-87.	2.3	8
2610	Advances in Nano Based Biosensors for Food and Agriculture. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 1-52.	0.3	9
2611	Integrating environmental considerations in the agricultural policy process: Evidence from Nigeria. <i>Environmental Development</i> , 2018, 25, 111-125.	1.8	18
2612	Winter Wheat Yield Gaps and Patterns in China. <i>Agronomy Journal</i> , 2018, 110, 319-330.	0.9	34
2613	Global Human Appropriation of Net Primary Production and Associated Resource Decoupling: 2010–2050. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1208-1215.	4.6	25
2614	Different mechanisms underlying the yield advantage of ordinary hybrid and super hybrid rice over inbred rice under low and moderate N input conditions. <i>Field Crops Research</i> , 2018, 216, 150-157.	2.3	40
2615	Effectiveness criteria for customised agricultural life cycle assessment tools. <i>Journal of Cleaner Production</i> , 2018, 179, 246-254.	4.6	21
2616	Influence of artificial drainage system design on the nitrogen attenuation potential of gley soils: Evidence from hydrochemical and isotope studies under field-scale conditions. <i>Journal of Environmental Management</i> , 2018, 206, 1028-1038.	3.8	17
2617	The tree structure “A general framework for food waste quantification in food services. <i>Resources, Conservation and Recycling</i> , 2018, 130, 140-151.	5.3	54
2618	Relationship between nitrogen accumulation and nitrogen use efficiency of rice under different urea types and management methods. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 1278-1289.	1.3	3
2619	Agri-environment policy for grain production in China: toward sustainable intensification. <i>China Agricultural Economic Review</i> , 2018, 10, 78-92.	1.8	44
2620	Waste of fresh fruit and vegetables at retailers in Sweden – Measuring and calculation of mass, economic cost and climate impact. <i>Resources, Conservation and Recycling</i> , 2018, 130, 118-126.	5.3	58
2621	Characterisation of a novel quantitative trait locus, GN4-1, for grain number and yield in rice ( <i>Oryza</i> ) Tj ETQq1 1 0.784314 rgBT /Over	1.8	18
2622	The long-term role of organic amendments in building soil nutrient fertility: a meta-analysis and review. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 111, 103-125.	1.1	129
2623	The Influence of Meteorological Factors on Wheat and Rice Yields in China. <i>Crop Science</i> , 2018, 58, 837-852.	0.8	13
2624	Assessments of synergistic outcomes from sustainable intensification of agriculture need to include smallholder livelihoods with food production and ecosystem services. <i>Current Opinion in Environmental Sustainability</i> , 2018, 32, 53-59.	3.1	50
2625	CROPPING IN AN AGE OF CAPTIVE TAKING: EXPLORING EVIDENCE FOR UNCERTAINTY AND FOOD INSECURITY IN THE SEVENTEENTH-CENTURY NORTH CAROLINA PIEDMONT. <i>American Antiquity</i> , 2018, 83, 204-223.	0.6	8

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2627	What specific plant traits support ecosystem services such as pollination, bio-control and water quality protection in temperate climates? A systematic map. <i>Environmental Evidence</i> , 2018, 7, .	1.1	10
2628	Forests, atmospheric water and an uncertain future: the new biology of the global water cycle. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	99
2629	Thermoregulatory responses and reproductive traits in composite beef bulls raised in a tropical climate. <i>International Journal of Biometeorology</i> , 2018, 62, 1575-1586.	1.3	22
2630	Indian spinach: an underutilized perennial leafy vegetable for nutritional security in developing world. <i>Energy, Ecology and Environment</i> , 2018, 3, 195-205.	1.9	22
2631	Animal genetic resources diversity and ecosystem services. <i>Global Food Security</i> , 2018, 17, 84-91.	4.0	30
2632	Biospectroscopy for Plant and Crop Science. <i>Comprehensive Analytical Chemistry</i> , 2018, 80, 15-49.	0.7	10
2633	Nutrient-derived environmental impacts in Chinese agriculture during 1978-2015. <i>Journal of Environmental Management</i> , 2018, 217, 762-774.	3.8	38
2634	Incorporation of emergy into multiple-criteria decision analysis for sustainable and resilient structure of dairy farms in Slovenia. <i>Agricultural Systems</i> , 2018, 164, 71-83.	3.2	17
2635	Characterization of vegetable nitrogen uptake and soil nitrogen transformation in response to continuous molybdenum application. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 516-527.	1.1	12
2636	Breeding for increased drought tolerance in wheat: a review. <i>Crop and Pasture Science</i> , 2018, 69, 223.	0.7	37
2637	A synthesis for managing invasions and pest risks simultaneously for tephritid fruit flies in South Africa. <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 344-356.	0.7	3
2638	Comparative terrestrial feed and land use of an aquaculture-dominant world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5295-5300.	3.3	164
2639	An optimization model for the planning of agroecosystems: Trading off socio-economic feasibility and biodiversity. <i>Ecological Engineering</i> , 2018, 117, 194-204.	1.6	7
2640	Strategic grazing management towards sustainable intensification at tropical pasture-based dairy systems. <i>Science of the Total Environment</i> , 2018, 636, 872-880.	3.9	57
2641	Lack of efficacy of transgenic pea ( <i>Pisum sativum</i> L.) stably expressing antifungal genes against <i>Fusarium</i> spp. in three years of confined field trials. <i>GM Crops and Food</i> , 2018, 9, 90-108.	2.0	11
2642	Rice yield improvements through plant breeding are offset by inherent yield declines over time. <i>Field Crops Research</i> , 2018, 222, 59-65.	2.3	14
2643	Probiotics for Plants? Growth Promotion by the Entomopathogenic Fungus <i>Beauveria bassiana</i> Depends on Nutrient Availability. <i>Microbial Ecology</i> , 2018, 76, 1002-1008.	1.4	81

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2645	Fine-Tuning the Fight Against Food Waste. <i>Journal of Macromarketing</i> , 2018, 38, 168-184.	1.7	52
2646	Optimized nitrogen application methods to improve nitrogen use efficiency and nodule nitrogen fixation in a maize-soybean relay intercropping system. <i>Journal of Integrative Agriculture</i> , 2018, 17, 664-676.	1.7	66
2647	Responses of seminal wheat seedling roots to soil water deficits. <i>Journal of Plant Physiology</i> , 2018, 223, 105-114.	1.6	1
2648	Increased growth rate (1982-2013) in global grasslands biomes. <i>Remote Sensing Letters</i> , 2018, 9, 550-558.	0.6	0
2649	Modern Trends in Hyperspectral Image Analysis: A Review. <i>IEEE Access</i> , 2018, 6, 14118-14129.	2.6	476
2650	Aboriginal uses of seaweeds in temperate Australia: an archival assessment. <i>Journal of Applied Phycology</i> , 2018, 30, 1821-1832.	1.5	32
2651	Affordances of agricultural systems analysis tools: A review and framework to enhance tool design and implementation. <i>Agricultural Systems</i> , 2018, 164, 20-30.	3.2	47
2652	What gets measured gets managed: A new method of measuring household food waste. <i>Waste Management</i> , 2018, 76, 68-81.	3.7	84
2653	Stabilization of Lipase in Polymerized High Internal Phase Emulsions. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3619-3623.	2.4	11
2654	The opportunity cost of animal based diets exceeds all food losses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3804-3809.	3.3	144
2655	Small-scale farmers in a 1.5°C future: The importance of local social dynamics as an enabling factor for implementation and scaling of climate-smart agriculture. <i>Current Opinion in Environmental Sustainability</i> , 2018, 31, 112-119.	3.1	23
2656	Physiological mechanisms underpinning tolerance to high temperature stress during reproductive phase in mungbean ( <i>Vigna radiata</i> (L.) Wilczek). <i>Environmental and Experimental Botany</i> , 2018, 150, 188-197.	2.0	18
2657	Performance of the Standardized Precipitation Index Based on the TMPA and CMORPH Precipitation Products for Drought Monitoring in China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1387-1396.	2.3	35
2658	Identification of beef production farms in the Pampas and Campos area that stand out in economic and environmental performance. <i>Ecological Indicators</i> , 2018, 89, 755-770.	2.6	49
2659	Culture and food security. <i>Global Food Security</i> , 2018, 17, 113-127.	4.0	92
2660	Spatial scale affects the relative role of stochasticity versus determinism in soil bacterial communities in wheat fields across the North China Plain. <i>Microbiome</i> , 2018, 6, 27.	4.9	286
2661	Pest Management among Smallholder Cabbage Growers. <i>International Journal of Vegetable Science</i> , 2018, 24, 510-525.	0.6	3



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2664	Technology generation to dissemination: lessons learned from the tef improvement project. <i>Euphytica</i> , 2018, 214, 1.	0.6	20
2665	Expression of sorghum gene SbSGL enhances grain length and weight in rice. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	6
2666	Integrating the economic and environmental performance of agricultural systems: A demonstration using Farm Business Survey data and Farmscoper. <i>Science of the Total Environment</i> , 2018, 628-629, 938-946.	3.9	17
2667	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. <i>Global Change Biology</i> , 2018, 24, 2828-2840.	4.2	35
2668	Evaluating agricultural trade-offs in the age of sustainable development. <i>Agricultural Systems</i> , 2018, 163, 73-88.	3.2	184
2669	Ecosystem services provided by heavy metal-contaminated soils in China. <i>Journal of Soils and Sediments</i> , 2018, 18, 380-390.	1.5	19
2670	How does inter-annual variability of attainable yield affect the magnitude of yield gaps for wheat and maize? An analysis at ten sites. <i>Agricultural Systems</i> , 2018, 159, 199-208.	3.2	36
2671	Dynamics of Amino Acid Profile of <i>Musca domestica</i> Larva During Cultivation on Substrate Enriched with Microelements. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018, 88, 1257-1264.	0.4	2
2672	Phenological analysis of unmanned aerial vehicle based time series of barley imagery with high temporal resolution. <i>Precision Agriculture</i> , 2018, 19, 134-146.	3.1	55
2673	Socioecological transition in the Cauca river valley, Colombia (1943â€“2010): towards an energyâ€“landscape integrated analysis. <i>Regional Environmental Change</i> , 2018, 18, 1073-1087.	1.4	13
2674	Timeâ€“Continuous Phosphorus Flows in the Indian Agriâ€“Food Sector: Longâ€“Term Drivers and Management Options. <i>Journal of Industrial Ecology</i> , 2018, 22, 406-421.	2.8	15
2675	A reweighting approach to robust clustering. <i>Statistics and Computing</i> , 2018, 28, 477-493.	0.8	19
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2679	Food loss and waste management in Turkey. <i>Bioresource Technology</i> , 2018, 248, 88-99.	4.8	76
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2682	Pathogen-inducible <i>TaLr34res</i> expression in heterologous barley confers disease resistance without negative pleiotropic effects. <i>Plant Biotechnology Journal</i> , 2018, 16, 245-253.	4.1	39
2683	Keystones affecting sub-Saharan Africa's prospects for achieving food security through balanced diets. <i>Food Research International</i> , 2018, 104, 4-13.	2.9	16
2684	Traditional "maavee" rice production in Sri Lanka: environmental, economic and social pressures revealed through stakeholder interviews. <i>Paddy and Water Environment</i> , 2018, 16, 225-241.	1.0	12
2685	Functional biodiversity, environmental sustainability and crop nutritional properties: A case study of horticultural crops in north-eastern Italy. <i>Applied Soil Ecology</i> , 2018, 123, 699-708.	2.1	7
2686	Spatiotemporal reference evapotranspiration changes in humid and semi-arid regions of Iran: past trends and future projections. <i>Theoretical and Applied Climatology</i> , 2018, 133, 361-375.	1.3	22
2687	Innovation in Resourcing Geological Materials as Crop Nutrients. <i>Natural Resources Research</i> , 2018, 27, 217-227.	2.2	34
2688	Squandering Australia's food security? The environmental and economic costs of our unhealthy diet and the policy Path We're On. <i>Journal of Cleaner Production</i> , 2018, 195, 1581-1599.	4.6	14
2689	Towards industrial furfural conversion: Selectivity and stability of palladium and platinum catalysts under continuous flow regime. <i>Catalysis Today</i> , 2018, 308, 32-37.	2.2	45
2690	Research design: the methodology for interdisciplinary research framework. <i>Quality and Quantity</i> , 2018, 52, 1209-1225.	2.0	93
2691	Agro-industrialisation and food security: dietary diversity and food access of workers in Cameroon's palm oil sector. <i>Canadian Journal of Development Studies</i> , 2018, 39, 72-88.	1.7	8
2692	More food or better distribution? Reviewing food policy options in developing countries. <i>Food Reviews International</i> , 2018, 34, 566-580.	4.3	8
2693	From Forests to Food Security: Pathways in Nepal's Community Forestry. <i>Small-Scale Forestry</i> , 2018, 17, 89-104.	0.7	18
2694	Long-lasting Î²-aminobutyric acid-induced resistance protects tomato fruit against <i>Botrytis cinerea</i> . <i>Plant Pathology</i> , 2018, 67, 30-41.	1.2	58
2695	Consumers' Preferences for Bread: Transgenic, Cisgenic, Organic or Pesticide-free?. <i>Journal of Agricultural Economics</i> , 2018, 69, 121-141.	1.6	39
2696	Diverse effects of crop distribution and climate change on crop production in the agro-pastoral transitional zone of China. <i>Frontiers of Earth Science</i> , 2018, 12, 408-419.	0.9	8
2697	Herbicide discovery in light of rapidly spreading resistance and ever-increasing regulatory hurdles. <i>Pest Management Science</i> , 2018, 74, 2211-2215.	1.7	34
2698	Prospects for insects as food in Switzerland: A tobit regression. <i>Food Quality and Preference</i> , 2018, 64, 37-46.	2.3	93

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2700	A qualitative exploration of the factors underlying seniors' receptiveness to entomophagy. <i>Food Research International</i> , 2018, 103, 163-169.	2.9	55
2701	Blue-Green Water Nexus in Aquaculture for Resilience to Climate Change. <i>Reviews in Fisheries Science and Aquaculture</i> , 2018, 26, 139-154.	5.1	13
2702	Food waste quantification in primary production – The Nordic countries as a case study. <i>Waste Management</i> , 2018, 71, 502-511.	3.7	71
2703	Improving food security in China by taking advantage of marginal and degraded lands. <i>Journal of Cleaner Production</i> , 2018, 171, 1020-1030.	4.6	55
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2705	Future land use and land cover in Southern Amazonia and resulting greenhouse gas emissions from agricultural soils. <i>Regional Environmental Change</i> , 2018, 18, 129-142.	1.4	17
2706	Effects of different C/N ratios on bacterial compositions and processes in an organically managed soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 137-147.	2.3	15
2707	Global land-water nexus: Agricultural land and freshwater use embodied in worldwide supply chains. <i>Science of the Total Environment</i> , 2018, 613-614, 931-943.	3.9	93
2708	The dynamic mechanism of landscape structure change of arable landscape system in China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 26-36.	2.5	26
2709	Field variability and vulnerability index to identify regional precision agriculture opportunity. <i>Precision Agriculture</i> , 2018, 19, 589-605.	3.1	6
2710	On-farm diversity offsets environmental pressures in tropical agro-ecosystems: A synthetic review for cassava-based systems. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 226-235.	2.5	39
2711	Determinants of how individuals choose, eat and waste: Providing common ground to enhance sustainable food consumption outside of home. <i>International Journal of Consumer Studies</i> , 2018, 42, 35-75.	7.2	46
2712	Effects of a –one film for 2 years–™ system on the grain yield, water use efficiency and cost-benefit balance in dryland spring maize ( <i>Zea mays</i> L.) on the Loess Plateau, China. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 939-952.	1.3	5
2713	Harnessing genetic resources and progress in plant genomics for fonio ( <i>Digitaria</i> spp.) improvement. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 373-386.	0.8	17
2714	Global standardization and local complexity. A case study of an aquaculture system in Pampanga delta, Philippines. <i>Aquaculture</i> , 2018, 493, 365-375.	1.7	8
2715	A socio-eco-efficiency analysis of integrated and non-integrated crop-livestock-forestry systems in the Brazilian Cerrado based on LCA. <i>Journal of Cleaner Production</i> , 2018, 171, 1460-1471.	4.6	75
2716	Measuring the effectiveness of management interventions at regional scales by integrating ecological monitoring and modelling. <i>Pest Management Science</i> , 2018, 74, 2287-2295.	1.7	19

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2718	Response of foliar-applied nutrient solution with and without soil-applied fertilizers on growth and yield of mung bean. <i>Journal of Plant Nutrition</i> , 2018, 41, 1083-1093.	0.9	12
2719	<i>Biodiversity Informatics.</i> , 2018, , 375-399.		2
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2721	Consumer perception and preference for suboptimal food under the emerging practice of expiration date based pricing in supermarkets. <i>Food Quality and Preference</i> , 2018, 63, 119-128.	2.3	81
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2723	Nanofertilizer for Precision and Sustainable Agriculture: Current State and Future Perspectives. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6487-6503.	2.4	416
2724	Aphid specialism as an example of ecologicalâ€“evolutionary divergence. <i>Biological Reviews</i> , 2018, 93, 642-657.	4.7	31
2725	Considering landâ€“sea interactions and tradeâ€“offs for food and biodiversity. <i>Global Change Biology</i> , 2018, 24, 580-596.	4.2	39
2726	Cultivar mixtures: a metaâ€“analysis of the effect of intraspecific diversity on crop yield. <i>Ecological Applications</i> , 2018, 28, 62-77.	1.8	201
2727	How do climatic and management factors affect agricultural ecosystem services? A case study in the agro-pastoral transitional zone of northern China. <i>Science of the Total Environment</i> , 2018, 613-614, 314-323.	3.9	41
2728	Development of a set of PCR markers specific to <i>Aegilops longissima</i> chromosome arms and application in breeding a translocation line. <i>Theoretical and Applied Genetics</i> , 2018, 131, 13-25.	1.8	24
2729	Complexes between methyltestosterone and Î²-cyclodextrin for application in aquaculture production. <i>Carbohydrate Polymers</i> , 2018, 179, 386-393.	5.1	27
2730	Mealworm meal for animal feed: Environmental assessment and sensitivity analysis to guide future prospects. <i>Journal of Cleaner Production</i> , 2018, 170, 1260-1267.	4.6	77
2731	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
2732	Like throwing a piece of me away: How online and in-store grocery purchase channels affect consumersâ€™ food waste. <i>Journal of Retailing and Consumer Services</i> , 2018, 41, 20-30.	5.3	35
2733	What are the factors that an opportunity sample of UK students insinuate as being associated with their wastage of food in the home setting?. <i>Resources, Conservation and Recycling</i> , 2018, 130, 20-30.	5.3	20
2734	Evolution of goat production systems in the Mediterranean basin: Between ecological intensification and ecologically intensive production systems. <i>Small Ruminant Research</i> , 2018, 163, 2-9.	0.6	15

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2736	Exploring the links between social metabolism and biodiversity distribution across landscape gradients: A regional-scale contribution to the land-sharing versus land-sparing debate. <i>Science of the Total Environment</i> , 2018, 619-620, 1272-1285.	3.9	35
2737	Changing Food Consumption of Households in Developing Countries: A Bangladesh Case. <i>Journal of International Food and Agribusiness Marketing</i> , 2018, 30, 156-174.	1.0	32
2738	Meta-analysis of the effect of white clover inclusion in perennial ryegrass swards on milk production. <i>Journal of Dairy Science</i> , 2018, 101, 1804-1816.	1.4	23
2739	The Impact of Extreme Weather Events on Food Security. <i>Sustainable Development Goals Series</i> , 2018, , 121-133.	0.2	4
2740	Hyperspectral measurements of yellow rust and fusarium head blight in cereal crops: Part 1: Laboratory study. <i>Biosystems Engineering</i> , 2018, 166, 101-115.	1.9	37
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5022	Local knowledge of <i>Saba senegalensis</i> fruits against malnutrition in Mali. <i>Forests Trees and Livelihoods</i> , 2021, 30, 47-56.	0.5	2
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5030	Multilayer screen printed flexible graphene antenna for ISM band applications and energy harvesting. <i>Materials Today: Proceedings</i> , 2021, 45, 2508-2513.	0.9	1
5031	The salt-tolerant phenazine-1-carboxamide-producing bacterium <i>Pseudomonas aeruginosa</i> NF011 isolated from wheat rhizosphere soil in dry farmland with antagonism against <i>Fusarium graminearum</i> . <i>Microbiological Research</i> , 2021, 245, 126673.	2.5	17
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5052	Biotechnology for Tomorrowâ€™s World: Scenarios to Guide Directions for Future Innovation. <i>Trends in Biotechnology</i> , 2021, 39, 438-444.	4.9	13
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5066	A spatial assessment of land suitability for maize farming in Kenya. <i>Geocarto International</i> , 2021, 36, 1378-1395.	1.7	19
5067	Effect of Toasting on the Chemical Composition, Functional and Antioxidative Properties of Full Fat and Defatted Sesame ( <i>Sesamum indicum</i> L) Seed Flours. <i>Journal of Culinary Science and Technology</i> , 2021, 19, 18-34.	0.6	8
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5070	Genotypic Selection in Vegetables for Adaptation to Climate Change. <i>Advances in Olericulture</i> , 2021, , 61-89.	0.4	2
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5072	Silicon and Plant Responses Under Adverse Environmental Conditions. , 2021, , 357-385.		5
5073	Yield performance estimation of corn hybrids using machine learning algorithms. <i>Artificial Intelligence in Agriculture</i> , 2021, 5, 82-89.	4.4	11
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5089	Enhancing Resilience for Food and Nutrition Security Within a Changing Climate. , 2021, , 1-42.		0
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