JÃ¸rgen E Olesen

List of Publications by Year
in descending order

331 papers	25,358 citations	8749 75 h-index	9579 142 g-index
353 all docs	353 docs citations	353 times ranked	21071 citing authors

#	Article	IF	Citations
1	What does framing theory add to our understanding of collective decision making in nitrogen management?. Landscape Ecology, 2023, 38, 4139-4155.	1.9	1
2	Productivity, light interception and radiation use efficiency of organic and conventional arable cropping systems. European Journal of Agronomy, 2022, 132, 126407.	1.9	6
3	Effect of wind speed variation on rainfed wheat production evaluated by the CERES-Wheat model. International Journal of Biometeorology, 2022, 66, 225-233.	1.3	5
4	Evaluation of multiple gridded solar radiation data for crop modeling. European Journal of Agronomy, 2022, 133, 126419.	1.9	8
5	Predicting field N2O emissions from crop residues based on their biochemical composition: A meta-analytical approach. Science of the Total Environment, 2022, 812, 152532.	3.9	30
6	Agronomic and environmental factors influencing the marginal increase in nitrate leaching by adding extra mineral nitrogen fertilizer. Agriculture, Ecosystems and Environment, 2022, 327, 107808.	2.5	10
7	NLES5 â€“ An empirical model for estimating nitrate leaching from the root zone of agricultural land. European Journal of Agronomy, 2022, 134, 126465.	1.9	9
8	Expected effects of climate change on the production and water use of crop rotation management reproduced by crop model ensemble for Czech Republic sites. European Journal of Agronomy, 2022, 134, 126446.	1.9	6
9	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	4.2	113
10	Agricultural Biogas Productionâ€”Climate and Environmental Impacts. Sustainability, 2022, 14, 1849.	1.6	29
11	Are maps of nitrate reduction in groundwater altered by climate and land use changes?. Hydrology and Earth System Sciences, 2022, 26, 955-973.	1.9	6
12	Biogeochemical functioning of the Baltic Sea. Earth System Dynamics, 2022, 13, 633-685.	2.7	22
13	Deep-rooted perennial crops differ in capacity to stabilize C inputs in deep soil layers. Scientific Reports, 2022, 12, 5952.	1.6	20
14	Interactive effects of straw management, tillage, and a cover crop on nitrous oxide emissions and nitrate leaching from a sandy loam soil. Science of the Total Environment, 2022, 828, 154316.	3.9	16
15	A review and meta-analysis of mitigation measures for nitrous oxide emissions from crop residues. Science of the Total Environment, 2022, 828, 154388.	3.9	29
16	Impacts of land use, climate change and hydrological model structure on nitrate fluxes: Magnitudes and uncertainties. Science of the Total Environment, 2022, 830, 154671.	3.9	15
17	Farm-scale practical strategies to increase nitrogen use efficiency and reduce nitrogen footprint in crop production across the North China Plain. Field Crops Research, 2022, 283, 108526.	2.3	16
18	Stimulation of ammonia oxidizer and denitrifier abundances by nitrogen loading: Poor predictability for increased soil N₂O emission. Global Change Biology, 2022, 28, 2158-2168.	4.2	54

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19	Potential for the adoption of measures to reduce N2O emissions from crop residues in Denmark. Science of the Total Environment, 2022, 835, 155510.	3.9	4
20	Quantifying water footprint of winter wheat â€" summer maize cropping system under manure application and limited irrigation: An integrated approach. Resources, Conservation and Recycling, 2022, 183, 106375.	5.3	19
21	Priority for climate adaptation measures in European crop production systems. European Journal of Agronomy, 2022, 138, 126516.	1.9	23
22	Ammoniated straw incorporation increases wheat yield, yield stability, soil organic carbon and soil total nitrogen content. Field Crops Research, 2022, 284, 108558.	2.3	30
23	Differential Responses of Soil Extracellular Enzyme Activities to Salinization: Implications for Soil Carbon Cycling in Tidal Wetlands. Global Biogeochemical Cycles, 2022, 36, .	1.9	11
24	Simulation of winter wheat response to variable sowing dates and densities in a high-yielding environment. Journal of Experimental Botany, 2022, 73, 5715-5729.	2.4	10
25	Depth-dependent responses of soil organic carbon stock under annual and perennial cropping systems. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	15
26	Global wheat production could benefit from closing the genetic yield gap. Nature Food, 2022, 3, 532-541.	6.2	29
27	Assessment of nine gridded temperature data for modeling of wheat production systems. Computers and Electronics in Agriculture, 2022, 199, 107189.	3.7	7
28	Estimating organic carbon stocks of mineral soils in Denmark: Impact of bulk density and content of rock fragments. Geoderma Regional, 2022, 30, e00560.	0.9	10
29	Optimizing irrigation schedule in a large agricultural region under different hydrologic scenarios. Agricultural Water Management, 2021, 245, 106575.	2.4	20
30	Legacy effects of soil fertility management on cereal dry matter and nitrogen grain yield of organic arable cropping systems. European Journal of Agronomy, 2021, 122, 126169.	1.9	16
31	Nitrogen and phosphorus coâ€limit mineralization of labile carbon in deep subsoil. European Journal of Soil Science, 2021, 72, 1879-1884.	1.8	6
32	Achieving Sustainable Nitrogen Management in Mixed Farming Landscapes Based on Collaborative Planning. Sustainability, 2021, 13, 2140.	1.6	0
33	Temperature thresholds of ecosystem respiration at a global scale. Nature Ecology and Evolution, 2021, 5, 487-494.	3.4	46
34	Multi-model evaluation of phenology prediction for wheat in Australia. Agricultural and Forest Meteorology, 2021, 298-299, 108289.	1.9	17
35	How well do crop modeling groups predict wheat phenology, given calibration data from the target population?. European Journal of Agronomy, 2021, 124, 126195.	1.9	27
36	Land-use and agriculture in Denmark around year 1900 and the quest for EU Water Framework Directive reference conditions in coastal waters. Ambio, 2021, 50, 1882-1893.	2.8	2

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37	Calibrating AquaCrop model using genetic algorithm with multiâ€objective functions applying different weight factors. Agronomy Journal, 2021, 113, 1420-1438.	0.9	4
38	Cover crop mixtures including legumes can self-regulate to optimize N2 fixation while reducing nitrate leaching. Agriculture, Ecosystems and Environment, 2021, 309, 107287.	2.5	18
39	Short-term cover crop carbon inputs to soil as affected by long-term cropping system management and soil fertility. Agriculture, Ecosystems and Environment, 2021, 311, 107339.	2.5	17
40	Temperature-based prediction of harvest date in winter and spring cereals as a basis for assessing viability for growing cover crops. Field Crops Research, 2021, 264, 108085.	2.3	9
41	Performance of 13 crop simulation models and their ensemble for simulating four field crops in Central Europe. Journal of Agricultural Science, 2021, 159, 69-89.	0.6	11
42	Nitrous oxide emissions from red clover and winter wheat residues depend on interacting effects of distribution, soil N availability and moisture level. Plant and Soil, 2021, 466, 121-138.	1.8	8
43	Methodology to assess the changing risk of yield failure due to heat and drought stress under climate change. Environmental Research Letters, 2021, 16, 104033.	2.2	6
44	The Possibility of Consensus Regarding Climate Change Adaptation Policies in Agriculture and Forestry among Stakeholder Groups in the Czech Republic. Environmental Management, 2021, , 1.	1.2	2
45	Soil N2O emission from organic and conventional cotton farming in Northern Tanzania. Science of the Total Environment, 2021, 785, 147301.	3.9	3
46	Model sensitivity of simulated yield of winter oilseed rape to climate change scenarios in Europe. European Journal of Agronomy, 2021, 129, 126341.	1.9	6
47	Longâ€term effect of tillage and straw retention in conservation agriculture systems on soil carbon storage. Soil Science Society of America Journal, 2021, 85, 1465-1478.	1.2	13
48	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. Environmental Modelling and Software, 2021, 145, 105206.	1.9	31
49	Long-term soil quality effects of soil and crop management in organic and conventional arable cropping systems. Geoderma, 2021, 403, 115383.	2.3	21
50	Investigation of satellite-related precipitation products for modeling of rainfed wheat production systems. Agricultural Water Management, 2021, 258, 107222.	2.4	10
51	Input and mineralization of carbon and nitrogen in soil from legume-based cover crops. Nutrient Cycling in Agroecosystems, 2020, 116, 1-18.	1.1	37
52	How to measure, report and verify soil carbon change to realize the potential of soil carbon sequestration for atmospheric greenhouse gas removal. Global Change Biology, 2020, 26, 219-241.	4.2	308
53	Extraction and Enzymatic Assay of Glucose in Soils with Contrasting pH, Clay, and Organic Carbon Contents. Communications in Soil Science and Plant Analysis, 2020, 51, 380-391.	0.6	1
54	Long-term modelling of crop yield, nitrogen losses and GHG balance in organic cropping systems. Science of the Total Environment, 2020, 710, 134597.	3.9	10

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55	Carbon and nitrogen mineralization differ between incorporated shoots and roots of legume versus non-legume based cover crops. Plant and Soil, 2020, 446, 243-257.	1.8	48
56	Soil carbon loss with warming: New evidence from carbonâ€degrading enzymes. Global Change Biology, 2020, 26, 1944-1952.	4.2	141
57	Autumn-based vegetation indices for estimating nitrate leaching during autumn and winter in arable cropping systems. Agriculture, Ecosystems and Environment, 2020, 290, 106786.	2.5	22
58	Development and evaluation of HUME-OSR: A dynamic crop growth model for winter oilseed rape. Field Crops Research, 2020, 246, 107679.	2.3	6
59	Agricultural residues bioenergy potential that sustain soil carbon depends on energy conversion pathways. GCB Bioenergy, 2020, 12, 1002-1013.	2.5	16
60	Legacy effects of leguminous green manure crops on the weed seed bank in organic crop rotations. Agriculture, Ecosystems and Environment, 2020, 302, 107078.	2.5	27
61	Field scale agronomic and environmental consequences of overlapping N fertilizer application by disc spreaders. Field Crops Research, 2020, 255, 107901.	2.3	3
62	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	2.4	646
63	Multi-Functional Land Use Is Not Self-Evident for European Farmers: A Critical Review. Frontiers in Environmental Science, 2020, 8, .	1.5	22
64	Decreased rhizodeposition, but increased microbial carbon stabilization with soil depth down to 3.6Âm. Soil Biology and Biochemistry, 2020, 150, 108008.	4.2	38
65	Effects of winter wheat N status on assimilate and N partitioning in the mechanistic agroecosystem model DAISY. Journal of Agronomy and Crop Science, 2020, 206, 784-805.	1.7	12
66	Longâ€term nitrogen loading alleviates phosphorus limitation in terrestrial ecosystems. Global Change Biology, 2020, 26, 5077-5086.	4.2	123
67	Uncertainties in simulating N uptake, net N mineralization, soil mineral N and N leaching in European crop rotations using process-based models. Field Crops Research, 2020, 255, 107863.	2.3	23
68	Impacts of changing society and climate on nutrient loading to the Baltic Sea. Science of the Total Environment, 2020, 731, 138935.	3.9	29
69	Yield benefits from replacing chemical fertilizers with manure under water deficient conditions of the winter wheat â€“ summer maize system in the North China Plain. European Journal of Agronomy, 2020, 119, 126118.	1.9	52
70	Nitrate leaching from suction cup data: Influence of method of drainage calculation and concentration interpolation. Journal of Environmental Quality, 2020, 49, 440-449.	1.0	12
71	Exposing Deep Roots: A Rhizobox Laboratory. Trends in Plant Science, 2020, 25, 418-419.	4.3	15
72	Digging Deeper for Agricultural Resources, the Value of Deep Rooting. Trends in Plant Science, 2020, 25, 406-417.	4.3	127

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73	Plants with lengthened phenophases increase their dominance under warming in an alpine plant community. Science of the Total Environment, 2020, 728, 138891.	3.9	13
74	Visiting dark sides of model simulation of carbon stocks in European temperate agricultural soils: allometric function and model initialization. Plant and Soil, 2020, 450, 255-272.	1.8	15
75	Yield and Profitability of Cotton Grown Under Smallholder Organic and Conventional Cotton Farming Systems in Meatu District, Tanzania. , 2020, , 175-200.		3
76	DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a Sustainable, Low-Nitrogen Food Production. , 2020, , 363-376.		1
77	Targeted set-aside: Benefits from reduced nitrogen loading in Danish aquatic environments. Journal of Environmental Management, 2019, 247, 633-643.	3.8	3
78	Associations between large-scale climate oscillations and land surface phenology in Iran. Agricultural and Forest Meteorology, 2019, 278, 107682.	1.9	23
79	Mitigation efforts will not fully alleviate the increase in water scarcity occurrence probability in wheat-producing areas. Science Advances, 2019, 5, eaau2406.	4.7	104
80	Future socioeconomic conditions may have a larger impact than climate change on nutrient loads to the Baltic Sea. Ambio, 2019, 48, 1325-1336.	2.8	37
81	CLIMATE CHANGE IMPACTS AND ADAPTATION FOR CROP MANAGEMENT OF WINTER WHEAT AND MAIZE IN THE SEMIâ€ARID REGION OF IRAN. Irrigation and Drainage, 2019, 68, 841-856.	0.8	8
82	Nitrate leaching losses from two Baltic Sea catchments under scenarios of changes in land use, land management and climate. Ambio, 2019, 48, 1252-1263.	2.8	32
83	Reviews and syntheses: Review of causes and sources of N₂O emissions and NO₃ leaching from organic arable crop rotations. Biogeosciences, 2019, 16, 2795-2819.	1.3	50
84	Shared socio-economic pathways extended for the Baltic Sea: exploring long-term environmental problems. Regional Environmental Change, 2019, 19, 1073-1086.	1.4	42
85	Spatially differentiated regulation: Can it save the Baltic Sea from excessive N-loads?. Ambio, 2019, 48, 1278-1289.	2.8	27
86	Climate change is expected to increase yield and water use efficiency of wheat in the North China Plain. Agricultural Water Management, 2019, 222, 193-203.	2.4	47
87	Reply to Snowdon et al. and Piepho: Genetic response diversity to provide yield stability of cultivar groups deserves attention. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10627-10629.	3.3	7
88	Projections of future soil temperature in northeast Iran. Geoderma, 2019, 349, 11-24.	2.3	19
89	Risk factors for European winter oilseed rape production under climate change. Agricultural and Forest Meteorology, 2019, 272-273, 30-39.	1.9	41
90	Manipulating cover crop growth by adjusting sowing time and cereal inter-row spacing to enhance residual nitrogen effects. Field Crops Research, 2019, 234, 15-25.	2.3	30

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91	Nutrient availability affects carbon turnover and microbial physiology differently in topsoil and subsoil under a temperate grassland. Geoderma, 2019, 336, 22-30.	2.3	18
92	Decline in climate resilience of European wheat. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 123-128.	3.3	144
93	Effects of changes in land use and climate on aquatic ecosystems: Coupling of models and decomposition of uncertainties. Science of the Total Environment, 2019, 657, 627-633.	3.9	48
94	Simulating soil fertility management effects on crop yield and soil nitrogen dynamics in field trials under organic farming in Europe. Field Crops Research, 2019, 233, 1-11.	2.3	28
95	Climate change impact and adaptation for wheat protein. Global Change Biology, 2019, 25, 155-173.	4.2	312
96	Can mulching of maize straw complement deficit irrigation to improve water use efficiency and productivity of winter wheat in North China Plain?. Agricultural Water Management, 2019, 213, 1-11.	2.4	32
97	Converting temperate longâ€term arable land into semiâ€natural grassland: decadalâ€scale changes in topsoil C, N, ¹³C and ¹⁵N contents. European Journal of Soil Science, 2019, 70, 350-360.	1.8	16
98	Soil carbon varies between different organic and conventional management schemes in arable agriculture. European Journal of Agronomy, 2018, 94, 79-88.	1.9	30
99	Data requirements for crop modellingâ€”Applying the learning curve approach to the simulation of winter wheat flowering time under climate change. European Journal of Agronomy, 2018, 95, 33-44.	1.9	6
100	Long-term simulation of temporal change of soil organic carbon in Denmark: comparison of three model performances under climate change. Journal of Agricultural Science, 2018, 156, 139-150.	0.6	13
101	Spatially differentiated strategies for reducing nitrate loads from agriculture in two Danish catchments. Journal of Environmental Management, 2018, 208, 77-91.	3.8	22
102	Nitrogen leaching: A crop rotation perspective on the effect of N surplus, field management and use of catch crops. Agriculture, Ecosystems and Environment, 2018, 255, 1-11.	2.5	138
103	Reducing uncertainty of estimated nitrogen load reductions to aquatic systems through spatially targeting agricultural mitigation measures using groundwater nitrogen reduction. Journal of Environmental Management, 2018, 218, 451-464.	3.8	8
104	Nitrogen balances of innovative cropping systems for feedstock production to future biorefineries. Science of the Total Environment, 2018, 633, 372-390.	3.9	40
105	Spatiotemporal variations of aridity in Iran using highâ€resolution gridded data. International Journal of Climatology, 2018, 38, 2701-2717.	1.5	49
106	Root biomass in cereals, catch crops and weeds can be reliably estimated without considering aboveground biomass. Agriculture, Ecosystems and Environment, 2018, 251, 141-148.	2.5	49
107	Impact of heat-wave at high and low VPD on photosynthetic components of wheat and their recovery. Environmental and Experimental Botany, 2018, 147, 138-146.	2.0	23
108	Acclimation to higher VPD and temperature minimized negative effects on assimilation and grain yield of wheat. Agricultural and Forest Meteorology, 2018, 248, 119-129.	1.9	40

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109	Sensitivity of European wheat to extreme weather. Field Crops Research, 2018, 222, 209-217.	2.3	101
110	Physical robustness of canopy temperature models for crop heat stress simulation across environments and production conditions. Field Crops Research, 2018, 216, 75-88.	2.3	36
111	Carbon mineralization and microbial activity in agricultural topsoil and subsoil as regulated by root nitrogen and recalcitrant carbon concentrations. Plant and Soil, 2018, 433, 65-82.	1.8	23
112	Diverging importance of drought stress for maize and winter wheat in Europe. Nature Communications, 2018, 9, 4249.	5.8	230
113	Cereal yield gaps across Europe. European Journal of Agronomy, 2018, 101, 109-120.	1.9	135
114	Inter-row hoeing for weed control in organic spring cerealsâ€"Influence of inter-row spacing and nitrogen rate. European Journal of Agronomy, 2018, 101, 49-56.	1.9	22
115	Contributions from carbon and nitrogen in roots to closing the yield gap between conventional and organic cropping systems. Soil Use and Management, 2018, 34, 335-342.	2.6	6
116	Greenhouse gas emissions during storage of manure and digestates: Key role of methane for prediction and mitigation. Agricultural Systems, 2018, 166, 26-35.	3.2	52
117	Nitrogen balances in organic and conventional arable crop rotations and their relations to nitrogen yield and nitrate leaching losses. Agriculture, Ecosystems and Environment, 2018, 265, 350-362.	2.5	46
118	Potential benefits of farm scale measures versus landscape measures for reducing nitrate loads in a Danish catchment. Science of the Total Environment, 2018, 637-638, 318-335.	3.9	22
119	Simulation of Soil Organic Carbon Effects on Long-Term Winter Wheat (Triticum aestivum) Production Under Varying Fertilizer Inputs. Frontiers in Plant Science, 2018, 9, 1158.	1.7	21
120	Sensitivity of simulated crop yield and nitrate leaching of the wheat-maize cropping system in the North China Plain to model parameters. Agricultural and Forest Meteorology, 2018, 263, 25-40.	1.9	16
121	Release of carbon and nitrogen from fodder radish (Raphanus sativus) shoots and roots incubated in soils with different management history. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2018, 68, 749-756.	0.3	5
122	Priority questions in multidisciplinary drought research. Climate Research, 2018, 75, 241-260.	0.4	35
123	Canopy temperature for simulation of heat stress in irrigated wheat in a semi-arid environment: A multi-model comparison. Field Crops Research, 2017, 202, 21-35.	2.3	91
124	Performance of the SUBSTOR-potato model across contrasting growing conditions. Field Crops Research, 2017, 202, 57-76.	2.3	75
125	Crop model improvement reduces the uncertainty of the response to temperature of multi-model ensembles. Field Crops Research, 2017, 202, 5-20.	2.3	109
126	Multi-model uncertainty analysis in predicting grain N for crop rotations in Europe. European Journal of Agronomy, 2017, 84, 152-165.	1.9	35

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127	Crop residues as driver for N2O emissions from a sandy loam soil. Agricultural and Forest Meteorology, 2017, 233, 45-54.	1.9	51
128	The long-term effect of climate change on productivity of winter wheat in Denmark: a scenario analysis using three crop models. Journal of Agricultural Science, 2017, 155, 733-750.	0.6	17
129	Nitrous oxide emissions and nitrogen use efficiency of manure and digestates applied to spring barley. Agriculture, Ecosystems and Environment, 2017, 239, 188-198.	2.5	76
130	Potential benefits of a spatially targeted regulation based on detailed N-reduction maps to decrease N-load from agriculture in a small groundwater dominated catchment. Science of the Total Environment, 2017, 595, 325-336.	3.9	32
131	Performance of process-based models for simulation of grain N in crop rotations across Europe. Agricultural Systems, 2017, 154, 63-77.	3.2	43
132	The uncertainty of crop yield projections is reduced by improved temperature response functions. Nature Plants, 2017, 3, 17102.	4.7	170
133	Large uncertainty in soil carbon modelling related to method of calculation of plant carbon input in agricultural systems. European Journal of Soil Science, 2017, 68, 953-963.	1.8	41
134	Productivity of organic and conventional arable cropping systems in long-term experiments in Denmark. European Journal of Agronomy, 2017, 90, 12-22.	1.9	33
135	Biological nitrogen fixation in three long-term organic and conventional arable crop rotation experiments in Denmark. European Journal of Agronomy, 2017, 90, 87-95.	1.9	36
136	Comparison of regression techniques to predict response of oilseed rape yield to variation in climatic conditions in Denmark. European Journal of Agronomy, 2017, 82, 11-20.	1.9	35
137	A potato model intercomparison across varying climates and productivity levels. Global Change Biology, 2017, 23, 1258-1281.	4.2	90
138	Possibilities for near-term bioenergy production and GHG-mitigation through sustainable intensification of agriculture and forestry in Denmark. Environmental Research Letters, 2017, 12, 114032.	2.2	15
139	Combining organic and inorganic nitrogen fertilisation reduces N2O emissions from cereal crops: a comparative analysis of China and Zimbabwe. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 233-245.	1.0	24
140	Spatial Variation of Temperature and Precipitation in Bhutan and Links to Vegetation and Land Cover. Mountain Research and Development, 2016, 36, 66.	0.4	34
141	Nitrogen release from differently aged <i>Raphanus sativus</i> L. nitrate catch crops during mineralization at autumn temperatures. Soil Use and Management, 2016, 32, 183-191.	2.6	24
142	Limits of agricultural greenhouse gas calculators to predict soil N2O and CH4 fluxes in tropical agriculture. Scientific Reports, 2016, 6, 26279.	1.6	31
143	Predicting nitrous oxide emissions from manure properties and soil moisture: An incubation experiment. Soil Biology and Biochemistry, 2016, 97, 112-120.	4.2	36
144	Adapting maize production to drought in the Northeast Farming Region of China. European Journal of Agronomy, 2016, 77, 47-58.	1.9	44

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145	Impacts and adaptation of the cropping systems to climate change in the Northeast Farming Region of China. European Journal of Agronomy, 2016, 78, 60-72.	1.9	55
146	Multi-wheat-model ensemble responses to interannual climate variability. Environmental Modelling and Software, 2016, 81, 86-101.	1.9	50
147	Modelling soil organic carbon in Danish agricultural soils suggests low potential for future carbon sequestration. Agricultural Systems, 2016, 145, 83-89.	3.2	46
148	Review of scenario analyses to reduce agricultural nitrogen and phosphorus loading to the aquatic environment. Science of the Total Environment, 2016, 573, 608-626.	3.9	73
149	Effects of climatic factors, drought risk and irrigation requirement on maize yield in the Northeast Farming Region of China. Journal of Agricultural Science, 2016, 154, 1171-1189.	0.6	38
150	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO2. Field Crops Research, 2016, 198, 80-92.	2.3	47
151	Water balance in the complex mountainous terrain of Bhutan and linkages to land use. Journal of Hydrology: Regional Studies, 2016, 7, 55-68.	1.0	21
152	Similar estimates of temperature impacts on global wheat yield by three independent methods. Nature Climate Change, 2016, 6, 1130-1136.	8.1	352
153	Climate effects on crop yields in the Northeast Farming Region of China during 1961â€"2010. Journal of Agricultural Science, 2016, 154, 1190-1208.	0.6	32
154	Consolidating soil carbon turnover models by improved estimates of belowground carbon input. Scientific Reports, 2016, 6, 32568.	1.6	38
155	Effect of warming and nitrogen addition on evapotranspiration and water use efficiency in a wheat-soybean/fallow rotation from 2010 to 2014. Climatic Change, 2016, 139, 565-578.	1.7	13
156	Simulation of biomass yield of regular and chilling tolerant Miscanthus cultivars and reed canary grass in different climates of Europe. Industrial Crops and Products, 2016, 86, 329-333.	2.5	13
157	Comparing the performance of 11 crop simulation models in predicting yield response to nitrogen fertilization. Journal of Agricultural Science, 2016, 154, 1218-1240.	0.6	70
158	Combined effects of climate models, hydrological model structures and land use scenarios on hydrological impacts of climate change. Journal of Hydrology, 2016, 535, 301-317.	2.3	156
159	Incompatibility between fertility building measures and the management of perennial weeds in organic cropping systems. Agriculture, Ecosystems and Environment, 2016, 220, 184-192.	2.5	25
160	Targeted management of organic resources for sustainably increasing soil organic carbon: Observations and perspectives for resource use and climate adaptations in northern Ghana. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2016, 66, 178-190.	0.3	3
161	Experimental warming-driven soil drying reduced N2O emissions from fertilized crop rotations of winter wheatâ€"soybean/fallow, 2009â€"2014. Agriculture, Ecosystems and Environment, 2016, 219, 71-82.	2.5	42
162	Evidence for denitrification as main source of N 2 O emission from residue-amended soil. Soil Biology and Biochemistry, 2016, 92, 153-160.	4.2	155

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163	Estimating crop yield using a satellite-based light use efficiency model. Ecological Indicators, 2016, 60, 702-709.	2.6	52
164	Introduction to the Assessmentâ€"Characteristics of the Region. Regional Climate Studies, 2016, , 1-52.	1.2	13
165	Socio-economic Impactsâ€"Agricultural Systems. Regional Climate Studies, 2016, , 397-407.	1.2	3
166	Changing regional weather-crop yield relationships across Europe between 1901 and 2012. Climate Research, 2016, 70, 195-214.	0.4	44
167	Effect of spatial sampling from European flux towers for estimating carbon and water fluxes with artificial neural networks. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1941-1957.	1.3	65
168	Knowledge Asymmetries Between Research and Practice: A Social Systems Approach to Implementation Barriers in Organic Arable Farming. Sociologia Ruralis, 2015, 55, 460-482.	1.8	20
169	Nitrate Leaching, Yields and Carbon Sequestration after Noninversion Tillage, Catch Crops, and Straw Retention. Journal of Environmental Quality, 2015, 44, 868-881.	1.0	45
170	Crop modelling for integrated assessment of risk to food production from climate change. Environmental Modelling and Software, 2015, 72, 287-303.	1.9	230
171	Joint control of terrestrial gross primary productivity by plant phenology and physiology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2788-2793.	3.3	265
172	Can crop-climate models be accurate and precise? A case study for wheat production in Denmark. Agricultural and Forest Meteorology, 2015, 202, 51-60.	1.9	10
173	Modeling nitrous oxide emissions from organic and conventional cereal-based cropping systems under different management, soil and climate factors. European Journal of Agronomy, 2015, 66, 8-20.	1.9	13
174	Quantifying biological nitrogen fixation of different catch crops, and residual effects of roots and tops on nitrogen uptake in barley using in-situ 15N labelling. Plant and Soil, 2015, 395, 273-287.	1.8	55
175	Do soil organic carbon levels affect potential yields and nitrogen use efficiency? An analysis of winter wheat and spring barley field trials. European Journal of Agronomy, 2015, 66, 62-73.	1.9	75
176	Effects of experimental warming and nitrogen addition on soil respiration and CH4 fluxes from crop rotations of winter wheatâ€"soybean/fallow. Agricultural and Forest Meteorology, 2015, 207, 38-47.	1.9	58
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