

# JÃ,rgen E Olesen

## List of Publications by Year in descending order

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331  
papers

25,358  
citations

8755

75  
h-index

9589

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?. <i>Landscape Ecology</i> , 2023, 38, 4139-4155.	4.2	1
2	Productivity, light interception and radiation use efficiency of organic and conventional arable cropping systems. <i>European Journal of Agronomy</i> , 2022, 132, 126407.	4.1	6
3	Effect of wind speed variation on rainfed wheat production evaluated by the CERES-Wheat model. <i>International Journal of Biometeorology</i> , 2022, 66, 225-233.	3.0	5
4	Evaluation of multiple gridded solar radiation data for crop modeling. <i>European Journal of Agronomy</i> , 2022, 133, 126419.	4.1	8
5	Predicting field N <sub>2</sub> O emissions from crop residues based on their biochemical composition: A meta-analytical approach. <i>Science of the Total Environment</i> , 2022, 812, 152532.	8.0	30
6	Agronomic and environmental factors influencing the marginal increase in nitrate leaching by adding extra mineral nitrogen fertilizer. <i>Agriculture, Ecosystems and Environment</i> , 2022, 327, 107808.	5.3	10
7	NLES5 – An empirical model for estimating nitrate leaching from the root zone of agricultural land. <i>European Journal of Agronomy</i> , 2022, 134, 126465.	4.1	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. <i>European Journal of Agronomy</i> , 2022, 134, 126446.	4.1	6
9	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	9.5	113
10	Agricultural Biogas Production – Climate and Environmental Impacts. <i>Sustainability</i> , 2022, 14, 1849.	3.2	29
11	Are maps of nitrate reduction in groundwater altered by climate and land use changes?. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 955-973.	4.9	6
12	Biogeochemical functioning of the Baltic Sea. <i>Earth System Dynamics</i> , 2022, 13, 633-685.	7.1	22
13	Deep-rooted perennial crops differ in capacity to stabilize C inputs in deep soil layers. <i>Scientific Reports</i> , 2022, 12, 5952.	3.3	20
14	Interactive effects of straw management, tillage, and a cover crop on nitrous oxide emissions and nitrate leaching from a sandy loam soil. <i>Science of the Total Environment</i> , 2022, 828, 154316.	8.0	16
15	A review and meta-analysis of mitigation measures for nitrous oxide emissions from crop residues. <i>Science of the Total Environment</i> , 2022, 828, 154388.	8.0	29
16	Impacts of land use, climate change and hydrological model structure on nitrate fluxes: Magnitudes and uncertainties. <i>Science of the Total Environment</i> , 2022, 830, 154671.	8.0	15
17	Farm-scale practical strategies to increase nitrogen use efficiency and reduce nitrogen footprint in crop production across the North China Plain. <i>Field Crops Research</i> , 2022, 283, 108526.	5.1	16
18	Stimulation of ammonia oxidizer and denitrifier abundances by nitrogen loading: Poor predictability for increased soil N <sub>2</sub> O emission. <i>Global Change Biology</i> , 2022, 28, 2158-2168.	9.5	54

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19	Potential for the adoption of measures to reduce N <sub>2</sub> O emissions from crop residues in Denmark. <i>Science of the Total Environment</i> , 2022, 835, 155510.	8.0	4
20	Quantifying water footprint of winter wheat – summer maize cropping system under manure application and limited irrigation: An integrated approach. <i>Resources, Conservation and Recycling</i> , 2022, 183, 106375.	10.8	19
21	Priority for climate adaptation measures in European crop production systems. <i>European Journal of Agronomy</i> , 2022, 138, 126516.	4.1	23
22	Ammoniated straw incorporation increases wheat yield, yield stability, soil organic carbon and soil total nitrogen content. <i>Field Crops Research</i> , 2022, 284, 108558.	5.1	30
23	Differential Responses of Soil Extracellular Enzyme Activities to Salinization: Implications for Soil Carbon Cycling in Tidal Wetlands. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	11
24	Simulation of winter wheat response to variable sowing dates and densities in a high-yielding environment. <i>Journal of Experimental Botany</i> , 2022, 73, 5715-5729.	4.8	10
25	Depth-dependent responses of soil organic carbon stock under annual and perennial cropping systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
26	Global wheat production could benefit from closing the genetic yield gap. <i>Nature Food</i> , 2022, 3, 532-541.	14.0	29
27	Assessment of nine gridded temperature data for modeling of wheat production systems. <i>Computers and Electronics in Agriculture</i> , 2022, 199, 107189.	7.7	7
28	Estimating organic carbon stocks of mineral soils in Denmark: Impact of bulk density and content of rock fragments. <i>Geoderma Regional</i> , 2022, 30, e00560.	2.1	10
29	Optimizing irrigation schedule in a large agricultural region under different hydrologic scenarios. <i>Agricultural Water Management</i> , 2021, 245, 106575.	5.6	20
30	Legacy effects of soil fertility management on cereal dry matter and nitrogen grain yield of organic arable cropping systems. <i>European Journal of Agronomy</i> , 2021, 122, 126169.	4.1	16
31	Nitrogen and phosphorus co-limit mineralization of labile carbon in deep subsoil. <i>European Journal of Soil Science</i> , 2021, 72, 1879-1884.	3.9	6
32	Achieving Sustainable Nitrogen Management in Mixed Farming Landscapes Based on Collaborative Planning. <i>Sustainability</i> , 2021, 13, 2140.	3.2	0
33	Temperature thresholds of ecosystem respiration at a global scale. <i>Nature Ecology and Evolution</i> , 2021, 5, 487-494.	7.8	46
34	Multi-model evaluation of phenology prediction for wheat in Australia. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108289.	4.8	17
35	How well do crop modeling groups predict wheat phenology, given calibration data from the target population?. <i>European Journal of Agronomy</i> , 2021, 124, 126195.	4.1	27
36	Land-use and agriculture in Denmark around year 1900 and the quest for EU Water Framework Directive reference conditions in coastal waters. <i>Ambio</i> , 2021, 50, 1882-1893.	5.5	2

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37	Calibrating AquaCrop model using genetic algorithm with multi-objective functions applying different weight factors. <i>Agronomy Journal</i> , 2021, 113, 1420-1438.	1.8	4
38	Cover crop mixtures including legumes can self-regulate to optimize N <sub>2</sub> fixation while reducing nitrate leaching. <i>Agriculture, Ecosystems and Environment</i> , 2021, 309, 107287.	5.3	18
39	Short-term cover crop carbon inputs to soil as affected by long-term cropping system management and soil fertility. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107339.	5.3	17
40	Temperature-based prediction of harvest date in winter and spring cereals as a basis for assessing viability for growing cover crops. <i>Field Crops Research</i> , 2021, 264, 108085.	5.1	9
41	Performance of 13 crop simulation models and their ensemble for simulating four field crops in Central Europe. <i>Journal of Agricultural Science</i> , 2021, 159, 69-89.	1.3	11
42	Nitrous oxide emissions from red clover and winter wheat residues depend on interacting effects of distribution, soil N availability and moisture level. <i>Plant and Soil</i> , 2021, 466, 121-138.	3.7	8
43	Methodology to assess the changing risk of yield failure due to heat and drought stress under climate change. <i>Environmental Research Letters</i> , 2021, 16, 104033.	5.2	6
44	The Possibility of Consensus Regarding Climate Change Adaptation Policies in Agriculture and Forestry among Stakeholder Groups in the Czech Republic. <i>Environmental Management</i> , 2021, , 1.	2.7	2
45	Soil N <sub>2</sub> O emission from organic and conventional cotton farming in Northern Tanzania. <i>Science of the Total Environment</i> , 2021, 785, 147301.	8.0	3
46	Model sensitivity of simulated yield of winter oilseed rape to climate change scenarios in Europe. <i>European Journal of Agronomy</i> , 2021, 129, 126341.	4.1	6
47	Long-term effect of tillage and straw retention in conservation agriculture systems on soil carbon storage. <i>Soil Science Society of America Journal</i> , 2021, 85, 1465-1478.	2.2	13
48	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. <i>Environmental Modelling and Software</i> , 2021, 145, 105206.	4.5	31
49	Long-term soil quality effects of soil and crop management in organic and conventional arable cropping systems. <i>Geoderma</i> , 2021, 403, 115383.	5.1	21
50	Investigation of satellite-related precipitation products for modeling of rainfed wheat production systems. <i>Agricultural Water Management</i> , 2021, 258, 107222.	5.6	10
51	Input and mineralization of carbon and nitrogen in soil from legume-based cover crops. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 1-18.	2.2	37
52	How to measure, report and verify soil carbon change to realize the potential of soil carbon sequestration for atmospheric greenhouse gas removal. <i>Global Change Biology</i> , 2020, 26, 219-241.	9.5	308
53	Extraction and Enzymatic Assay of Glucose in Soils with Contrasting pH, Clay, and Organic Carbon Contents. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 380-391.	1.4	1
54	Long-term modelling of crop yield, nitrogen losses and GHG balance in organic cropping systems. <i>Science of the Total Environment</i> , 2020, 710, 134597.	8.0	10

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55	Carbon and nitrogen mineralization differ between incorporated shoots and roots of legume versus non-legume based cover crops. <i>Plant and Soil</i> , 2020, 446, 243-257.	3.7	48
56	Soil carbon loss with warming: New evidence from carbon-degrading enzymes. <i>Global Change Biology</i> , 2020, 26, 1944-1952.	9.5	141
57	Autumn-based vegetation indices for estimating nitrate leaching during autumn and winter in arable cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2020, 290, 106786.	5.3	22
58	Development and evaluation of HUME-OSR: A dynamic crop growth model for winter oilseed rape. <i>Field Crops Research</i> , 2020, 246, 107679.	5.1	6
59	Agricultural residues bioenergy potential that sustain soil carbon depends on energy conversion pathways. <i>GCB Bioenergy</i> , 2020, 12, 1002-1013.	5.6	16
60	Legacy effects of leguminous green manure crops on the weed seed bank in organic crop rotations. <i>Agriculture, Ecosystems and Environment</i> , 2020, 302, 107078.	5.3	27
61	Field scale agronomic and environmental consequences of overlapping N fertilizer application by disc spreaders. <i>Field Crops Research</i> , 2020, 255, 107901.	5.1	3
62	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
63	Multi-Functional Land Use Is Not Self-Evident for European Farmers: A Critical Review. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	22
64	Decreased rhizodeposition, but increased microbial carbon stabilization with soil depth down to 3.6Åm. <i>Soil Biology and Biochemistry</i> , 2020, 150, 108008.	8.8	38
65	Effects of winter wheat N status on assimilate and N partitioning in the mechanistic agroecosystem model DAISY. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 784-805.	3.5	12
66	Long-term nitrogen loading alleviates phosphorus limitation in terrestrial ecosystems. <i>Global Change Biology</i> , 2020, 26, 5077-5086.	9.5	123
67	Uncertainties in simulating N uptake, net N mineralization, soil mineral N and N leaching in European crop rotations using process-based models. <i>Field Crops Research</i> , 2020, 255, 107863.	5.1	23
68	Impacts of changing society and climate on nutrient loading to the Baltic Sea. <i>Science of the Total Environment</i> , 2020, 731, 138935.	8.0	29
69	Yield benefits from replacing chemical fertilizers with manure under water deficient conditions of the winter wheat " summer maize system in the North China Plain. <i>European Journal of Agronomy</i> , 2020, 119, 126118.	4.1	52
70	Nitrate leaching from suction cup data: Influence of method of drainage calculation and concentration interpolation. <i>Journal of Environmental Quality</i> , 2020, 49, 440-449.	2.0	12
71	Exposing Deep Roots: A Rhizobox Laboratory. <i>Trends in Plant Science</i> , 2020, 25, 418-419.	8.8	15
72	Digging Deeper for Agricultural Resources, the Value of Deep Rooting. <i>Trends in Plant Science</i> , 2020, 25, 406-417.	8.8	127

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73	Plants with lengthened phenophases increase their dominance under warming in an alpine plant community. <i>Science of the Total Environment</i> , 2020, 728, 138891.	8.0	13
74	Visiting dark sides of model simulation of carbon stocks in European temperate agricultural soils: allometric function and model initialization. <i>Plant and Soil</i> , 2020, 450, 255-272.	3.7	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. <i>Journal of Environmental Management</i> , 2019, 247, 633-643.	7.8	3
78	Associations between large-scale climate oscillations and land surface phenology in Iran. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107682.	4.8	23
79	Mitigation efforts will not fully alleviate the increase in water scarcity occurrence probability in wheat-producing areas. <i>Science Advances</i> , 2019, 5, eaau2406.	10.3	104
80	Future socioeconomic conditions may have a larger impact than climate change on nutrient loads to the Baltic Sea. <i>Ambio</i> , 2019, 48, 1325-1336.	5.5	37
81	CLIMATE CHANGE IMPACTS AND ADAPTATION FOR CROP MANAGEMENT OF WINTER WHEAT AND MAIZE IN THE SEMI-ARID REGION OF IRAN. <i>Irrigation and Drainage</i> , 2019, 68, 841-856.	1.7	8
82	Nitrate leaching losses from two Baltic Sea catchments under scenarios of changes in land use, land management and climate. <i>Ambio</i> , 2019, 48, 1252-1263.	5.5	32
83	Reviews and syntheses: Review of causes and sources of N&lt;sub&gt;2&lt;/sub&gt; and O&lt;sub&gt;3&lt;/sub&gt; emissions and NO&lt;sub&gt;3&lt;/sub&gt; leaching from organic arable crop rotations. <i>Biogeosciences</i> , 2019, 16, 2795-2819.	3.3	50
84	Shared socio-economic pathways extended for the Baltic Sea: exploring long-term environmental problems. <i>Regional Environmental Change</i> , 2019, 19, 1073-1086.	2.9	42
85	Spatially differentiated regulation: Can it save the Baltic Sea from excessive N-loads?. <i>Ambio</i> , 2019, 48, 1278-1289.	5.5	27
86	Climate change is expected to increase yield and water use efficiency of wheat in the North China Plain. <i>Agricultural Water Management</i> , 2019, 222, 193-203.	5.6	47
87	Reply to Snowdon et al. and Piepho: Genetic response diversity to provide yield stability of cultivar groups deserves attention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10627-10629.	7.1	7
88	Projections of future soil temperature in northeast Iran. <i>Geoderma</i> , 2019, 349, 11-24.	5.1	19
89	Risk factors for European winter oilseed rape production under climate change. <i>Agricultural and Forest Meteorology</i> , 2019, 272-273, 30-39.	4.8	41
90	Manipulating cover crop growth by adjusting sowing time and cereal inter-row spacing to enhance residual nitrogen effects. <i>Field Crops Research</i> , 2019, 234, 15-25.	5.1	30

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91	Nutrient availability affects carbon turnover and microbial physiology differently in topsoil and subsoil under a temperate grassland. <i>Geoderma</i> , 2019, 336, 22-30.	5.1	18
92	Decline in climate resilience of European wheat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 123-128.	7.1	144
93	Effects of changes in land use and climate on aquatic ecosystems: Coupling of models and decomposition of uncertainties. <i>Science of the Total Environment</i> , 2019, 657, 627-633.	8.0	48
94	Simulating soil fertility management effects on crop yield and soil nitrogen dynamics in field trials under organic farming in Europe. <i>Field Crops Research</i> , 2019, 233, 1-11.	5.1	28
95	Climate change impact and adaptation for wheat protein. <i>Global Change Biology</i> , 2019, 25, 155-173.	9.5	312
96	Can mulching of maize straw complement deficit irrigation to improve water use efficiency and productivity of winter wheat in North China Plain?. <i>Agricultural Water Management</i> , 2019, 213, 1-11.	5.6	32
97	Converting temperate long-term arable land into semi-natural grassland: decadal-scale changes in topsoil C, N, <sup>13</sup> C and <sup>15</sup> N contents. <i>European Journal of Soil Science</i> , 2019, 70, 350-360.	3.9	16
98	Soil carbon varies between different organic and conventional management schemes in arable agriculture. <i>European Journal of Agronomy</i> , 2018, 94, 79-88.	4.1	30
99	Data requirements for crop modelling – Applying the learning curve approach to the simulation of winter wheat flowering time under climate change. <i>European Journal of Agronomy</i> , 2018, 95, 33-44.	4.1	6
100	Long-term simulation of temporal change of soil organic carbon in Denmark: comparison of three model performances under climate change. <i>Journal of Agricultural Science</i> , 2018, 156, 139-150.	1.3	13
101	Spatially differentiated strategies for reducing nitrate loads from agriculture in two Danish catchments. <i>Journal of Environmental Management</i> , 2018, 208, 77-91.	7.8	22
102	Nitrogen leaching: A crop rotation perspective on the effect of N surplus, field management and use of catch crops. <i>Agriculture, Ecosystems and Environment</i> , 2018, 255, 1-11.	5.3	138
103	Reducing uncertainty of estimated nitrogen load reductions to aquatic systems through spatially targeting agricultural mitigation measures using groundwater nitrogen reduction. <i>Journal of Environmental Management</i> , 2018, 218, 451-464.	7.8	8
104	Nitrogen balances of innovative cropping systems for feedstock production to future biorefineries. <i>Science of the Total Environment</i> , 2018, 633, 372-390.	8.0	40
105	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. <i>International Journal of Climatology</i> , 2018, 38, 2701-2717.	3.5	49
106	Root biomass in cereals, catch crops and weeds can be reliably estimated without considering aboveground biomass. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 141-148.	5.3	49
107	Impact of heat-wave at high and low VPD on photosynthetic components of wheat and their recovery. <i>Environmental and Experimental Botany</i> , 2018, 147, 138-146.	4.2	23
108	Acclimation to higher VPD and temperature minimized negative effects on assimilation and grain yield of wheat. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 119-129.	4.8	40

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109	Sensitivity of European wheat to extreme weather. <i>Field Crops Research</i> , 2018, 222, 209-217.	5.1	101
110	Physical robustness of canopy temperature models for crop heat stress simulation across environments and production conditions. <i>Field Crops Research</i> , 2018, 216, 75-88.	5.1	36
111	Carbon mineralization and microbial activity in agricultural topsoil and subsoil as regulated by root nitrogen and recalcitrant carbon concentrations. <i>Plant and Soil</i> , 2018, 433, 65-82.	3.7	23
112	Diverging importance of drought stress for maize and winter wheat in Europe. <i>Nature Communications</i> , 2018, 9, 4249.	12.8	230
113	Cereal yield gaps across Europe. <i>European Journal of Agronomy</i> , 2018, 101, 109-120.	4.1	135
114	Inter-row hoeing for weed control in organic spring cereals—Influence of inter-row spacing and nitrogen rate. <i>European Journal of Agronomy</i> , 2018, 101, 49-56.	4.1	22
115	Contributions from carbon and nitrogen in roots to closing the yield gap between conventional and organic cropping systems. <i>Soil Use and Management</i> , 2018, 34, 335-342.	4.9	6
116	Greenhouse gas emissions during storage of manure and digestates: Key role of methane for prediction and mitigation. <i>Agricultural Systems</i> , 2018, 166, 26-35.	6.1	52
117	Nitrogen balances in organic and conventional arable crop rotations and their relations to nitrogen yield and nitrate leaching losses. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 350-362.	5.3	46
118	Potential benefits of farm scale measures versus landscape measures for reducing nitrate loads in a Danish catchment. <i>Science of the Total Environment</i> , 2018, 637-638, 318-335.	8.0	22
119	Simulation of Soil Organic Carbon Effects on Long-Term Winter Wheat ( <i>Triticum aestivum</i> ) Production Under Varying Fertilizer Inputs. <i>Frontiers in Plant Science</i> , 2018, 9, 1158.	3.6	21
120	Sensitivity of simulated crop yield and nitrate leaching of the wheat-maize cropping system in the North China Plain to model parameters. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 25-40.	4.8	16
121	Release of carbon and nitrogen from fodder radish ( <i>Raphanus sativus</i> ) shoots and roots incubated in soils with different management history. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 749-756.	0.6	5
122	Priority questions in multidisciplinary drought research. <i>Climate Research</i> , 2018, 75, 241-260.	1.1	35
123	Canopy temperature for simulation of heat stress in irrigated wheat in a semi-arid environment: A multi-model comparison. <i>Field Crops Research</i> , 2017, 202, 21-35.	5.1	91
124	Performance of the SUBSTOR-potato model across contrasting growing conditions. <i>Field Crops Research</i> , 2017, 202, 57-76.	5.1	75
125	Crop model improvement reduces the uncertainty of the response to temperature of multi-model ensembles. <i>Field Crops Research</i> , 2017, 202, 5-20.	5.1	109
126	Multi-model uncertainty analysis in predicting grain N for crop rotations in Europe. <i>European Journal of Agronomy</i> , 2017, 84, 152-165.	4.1	35



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127	Crop residues as driver for N <sub>2</sub> O emissions from a sandy loam soil. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 45-54.	4.8	51
128	The long-term effect of climate change on productivity of winter wheat in Denmark: a scenario analysis using three crop models. <i>Journal of Agricultural Science</i> , 2017, 155, 733-750.	1.3	17
129	Nitrous oxide emissions and nitrogen use efficiency of manure and digestates applied to spring barley. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 188-198.	5.3	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. <i>Science of the Total Environment</i> , 2017, 595, 325-336.	8.0	32
131	Performance of process-based models for simulation of grain N in crop rotations across Europe. <i>Agricultural Systems</i> , 2017, 154, 63-77.	6.1	43
132	The uncertainty of crop yield projections is reduced by improved temperature response functions. <i>Nature Plants</i> , 2017, 3, 17102.	9.3	170
133	Large uncertainty in soil carbon modelling related to method of calculation of plant carbon input in agricultural systems. <i>European Journal of Soil Science</i> , 2017, 68, 953-963.	3.9	41
134	Productivity of organic and conventional arable cropping systems in long-term experiments in Denmark. <i>European Journal of Agronomy</i> , 2017, 90, 12-22.	4.1	33
135	Biological nitrogen fixation in three long-term organic and conventional arable crop rotation experiments in Denmark. <i>European Journal of Agronomy</i> , 2017, 90, 87-95.	4.1	36
136	Comparison of regression techniques to predict response of oilseed rape yield to variation in climatic conditions in Denmark. <i>European Journal of Agronomy</i> , 2017, 82, 11-20.	4.1	35
137	A potato model intercomparison across varying climates and productivity levels. <i>Global Change Biology</i> , 2017, 23, 1258-1281.	9.5	90
138	Possibilities for near-term bioenergy production and GHG-mitigation through sustainable intensification of agriculture and forestry in Denmark. <i>Environmental Research Letters</i> , 2017, 12, 114032.	5.2	15
139	Combining organic and inorganic nitrogen fertilisation reduces N <sub>2</sub> O emissions from cereal crops: a comparative analysis of China and Zimbabwe. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017, 22, 233-245.	2.1	24
140	Spatial Variation of Temperature and Precipitation in Bhutan and Links to Vegetation and Land Cover. <i>Mountain Research and Development</i> , 2016, 36, 66.	1.0	34
141	Nitrogen release from differently aged <i>Raphanus sativus</i> L. nitrate catch crops during mineralization at autumn temperatures. <i>Soil Use and Management</i> , 2016, 32, 183-191.	4.9	24
142	Limits of agricultural greenhouse gas calculators to predict soil N <sub>2</sub> O and CH <sub>4</sub> fluxes in tropical agriculture. <i>Scientific Reports</i> , 2016, 6, 26279.	3.3	31
143	Predicting nitrous oxide emissions from manure properties and soil moisture: An incubation experiment. <i>Soil Biology and Biochemistry</i> , 2016, 97, 112-120.	8.8	36
144	Adapting maize production to drought in the Northeast Farming Region of China. <i>European Journal of Agronomy</i> , 2016, 77, 47-58.	4.1	44

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145	Impacts and adaptation of the cropping systems to climate change in the Northeast Farming Region of China. <i>European Journal of Agronomy</i> , 2016, 78, 60-72.	4.1	55
146	Multi-wheat-model ensemble responses to interannual climate variability. <i>Environmental Modelling and Software</i> , 2016, 81, 86-101.	4.5	50
147	Modelling soil organic carbon in Danish agricultural soils suggests low potential for future carbon sequestration. <i>Agricultural Systems</i> , 2016, 145, 83-89.	6.1	46
148	Review of scenario analyses to reduce agricultural nitrogen and phosphorus loading to the aquatic environment. <i>Science of the Total Environment</i> , 2016, 573, 608-626.	8.0	73
149	Effects of climatic factors, drought risk and irrigation requirement on maize yield in the Northeast Farming Region of China. <i>Journal of Agricultural Science</i> , 2016, 154, 1171-1189.	1.3	38
150	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO <sub>2</sub> . <i>Field Crops Research</i> , 2016, 198, 80-92.	5.1	47
151	Water balance in the complex mountainous terrain of Bhutan and linkages to land use. <i>Journal of Hydrology: Regional Studies</i> , 2016, 7, 55-68.	2.4	21
152	Similar estimates of temperature impacts on global wheat yield by three independent methods. <i>Nature Climate Change</i> , 2016, 6, 1130-1136.	18.8	352
153	Climate effects on crop yields in the Northeast Farming Region of China during 1961–2010. <i>Journal of Agricultural Science</i> , 2016, 154, 1190-1208.	1.3	32
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