

Jrgen E Olesen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

338
papers

18,296
citations

66
h-index

124
g-index

353
ext. papers

21,635
ext. citations

5.8
avg, IF

6.75
L-index

#	Paper	IF	Citations
338	NLES5 [An empirical model for estimating nitrate leaching from the root zone of agricultural land. <i>European Journal of Agronomy</i> , 2022 , 134, 126465	5	1
337	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	5	2
336	Agricultural Biogas Production[Climate and Environmental Impacts. <i>Sustainability</i> , 2022 , 14, 1849	3.6	3
335	Evaluation of multiple gridded solar radiation data for crop modeling. <i>European Journal of Agronomy</i> , 2022 , 133, 126419	5	0
334	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	5.7	1
333	Productivity, light interception and radiation use efficiency of organic and conventional arable cropping systems. <i>European Journal of Agronomy</i> , 2022 , 132, 126407	5	1
332	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	5.5	1
331	Biogeochemical functioning of the Baltic Sea. <i>Earth System Dynamics</i> , 2022 , 13, 633-685	4.8	1
330	Deep-rooted perennial crops differ in capacity to stabilize C inputs in deep soil layers.. <i>Scientific Reports</i> , 2022 , 12, 5952	4.9	1
329	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 , 154316	10.2	1
328	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	10.2	4
327	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	10.2	0
326	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	5.5	1
325	Potential for the adoption of measures to reduce NO emissions from crop residues in Denmark.. <i>Science of the Total Environment</i> , 2022 , 155510	10.2	0
324	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	11.9	1
323	Priority for climate adaptation measures in European crop production systems. <i>European Journal of Agronomy</i> , 2022 , 138, 126516	5	1
322	Ammoniated straw incorporation increases wheat yield, yield stability, soil organic carbon and soil total nitrogen content. <i>Field Crops Research</i> , 2022 , 284, 108558	5.5	0

321	Global maps of soil temperature.. <i>Global Change Biology</i> , 2021 ,	11.4	8
320	Effect of wind speed variation on rainfed wheat production evaluated by the CERES-Wheat model. <i>International Journal of Biometeorology</i> , 2021 , 1	3.7	0
319	Predicting field NO emissions from crop residues based on their biochemical composition: A meta-analytical approach.. <i>Science of the Total Environment</i> , 2021 , 152532	10.2	4
318	Investigation of satellite-related precipitation products for modeling of rainfed wheat production systems. <i>Agricultural Water Management</i> , 2021 , 258, 107222	5.9	3
317	Multi-model evaluation of phenology prediction for wheat in Australia. <i>Agricultural and Forest Meteorology</i> , 2021 , 298-299, 108289	5.8	5
316	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	5	11
315	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	6.5	
314	Calibrating AquaCrop model using genetic algorithm with multi-objective functions applying different weight factors. <i>Agronomy Journal</i> , 2021 , 113, 1420-1438	2.2	1
313	Cover crop mixtures including legumes can self-regulate to optimize N ₂ fixation while reducing nitrate leaching. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 309, 107287	5.7	8
312	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	5.7	5
311	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	5.5	3
310	Performance of 13 crop simulation models and their ensemble for simulating four field crops in Central Europe. <i>Journal of Agricultural Science</i> , 2021 , 1-21	1	2
309	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	4.2	5
308	Optimizing irrigation schedule in a large agricultural region under different hydrologic scenarios. <i>Agricultural Water Management</i> , 2021 , 245, 106575	5.9	5
307	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	5	4
306	Nitrogen and phosphorus co-limit mineralization of labile carbon in deep subsoil. <i>European Journal of Soil Science</i> , 2021 , 72, 1879	3.4	1
305	Achieving Sustainable Nitrogen Management in Mixed Farming Landscapes Based on Collaborative Planning. <i>Sustainability</i> , 2021 , 13, 2140	3.6	
304	Temperature thresholds of ecosystem respiration at a global scale. <i>Nature Ecology and Evolution</i> , 2021 , 5, 487-494	12.3	9

303	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	3.1	
302	Soil NO emission from organic and conventional cotton farming in Northern Tanzania. <i>Science of the Total Environment</i> , 2021 , 785, 147301	10.2	1
301	Model sensitivity of simulated yield of winter oilseed rape to climate change scenarios in Europe. <i>European Journal of Agronomy</i> , 2021 , 129, 126341	5	2
300	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	2.5	8
299	The chaos in calibrating crop models: Lessons learned from a multi-model calibration exercise. <i>Environmental Modelling and Software</i> , 2021 , 145, 105206	5.2	3
298	Long-term soil quality effects of soil and crop management in organic and conventional arable cropping systems. <i>Geoderma</i> , 2021 , 403, 115383	6.7	6
297	Stimulation of ammonia oxidizer and denitrifier abundances by nitrogen loading: Poor predictability for increased soil N O emission.. <i>Global Change Biology</i> , 2021 ,	11.4	4
296	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	3.9	6
295	Long-term nitrogen loading alleviates phosphorus limitation in terrestrial ecosystems. <i>Global Change Biology</i> , 2020 , 26, 5077-5086	11.4	41
294	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	5.5	11
293	Impacts of changing society and climate on nutrient loading to the Baltic Sea. <i>Science of the Total Environment</i> , 2020 , 731, 138935	10.2	13
292	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	5	24
291	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	3.4	6
290	Exposing Deep Roots: A Rhizobox Laboratory. <i>Trends in Plant Science</i> , 2020 , 25, 418-419	13.1	7
289	Digging Deeper for Agricultural Resources, the Value of Deep Rooting. <i>Trends in Plant Science</i> , 2020 , 25, 406-417	13.1	57
288	Plants with lengthened phenophases increase their dominance under warming in an alpine plant community. <i>Science of the Total Environment</i> , 2020 , 728, 138891	10.2	8
287	DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a Sustainable, Low-Nitrogen Food Production 2020 , 363-376		1
286	Yield and Profitability of Cotton Grown Under Smallholder Organic and Conventional Cotton Farming Systems in Meatu District, Tanzania 2020 , 175-200		1

285	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	11.4	142
284	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	1.5	
283	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	10.2	4
282	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	4.2	19
281	Soil carbon loss with warming: New evidence from carbon-degrading enzymes. <i>Global Change Biology</i> , 2020 , 26, 1944	11.4	51
280	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	5.7	10
279	Development and evaluation of HUME-OSR: A dynamic crop growth model for winter oilseed rape. <i>Field Crops Research</i> , 2020 , 246, 107679	5.5	3
278	Agricultural residues bioenergy potential that sustain soil carbon depends on energy conversion pathways. <i>GCB Bioenergy</i> , 2020 , 12, 1002-1013	5.6	7
277	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	5.7	8
276	Field scale agronomic and environmental consequences of overlapping N fertilizer application by disc spreaders. <i>Field Crops Research</i> , 2020 , 255, 107901	5.5	3
275	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
274	Multi-Functional Land Use Is Not Self-Evident for European Farmers: A Critical Review. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	11
273	Decreased rhizodeposition, but increased microbial carbon stabilization with soil depth down to 3.6 m. <i>Soil Biology and Biochemistry</i> , 2020 , 150, 108008	7.5	14
272	Input and mineralization of carbon and nitrogen in soil from legume-based cover crops. <i>Nutrient Cycling in Agroecosystems</i> , 2020 , 116, 1-18	3.3	20
271	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	4.2	9
270	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	1.1	3
269	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	6.5	20
268	Reviews and syntheses: Review of causes and sources of N₂O emissions and NO₃- leaching from organic arable crop rotations. <i>Biogeosciences</i> , 2019 , 16, 2795-2819	4.6	33

267	Shared socio-economic pathways extended for the Baltic Sea: exploring long-term environmental problems. <i>Regional Environmental Change</i> , 2019 , 19, 1073-1086	4.3	30
266	Spatially differentiated regulation: Can it save the Baltic Sea from excessive N-loads?. <i>Ambio</i> , 2019 , 48, 1278-1289	6.5	16
265	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	5.9	26
264	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	11.5	4
263	Projections of future soil temperature in northeast Iran. <i>Geoderma</i> , 2019 , 349, 11-24	6.7	11
262	Risk factors for European winter oilseed rape production under climate change. <i>Agricultural and Forest Meteorology</i> , 2019 , 272-273, 30-39	5.8	29
261	Targeted set-aside: Benefits from reduced nitrogen loading in Danish aquatic environments. <i>Journal of Environmental Management</i> , 2019 , 247, 633-643	7.9	3
260	Associations between large-scale climate oscillations and land surface phenology in Iran. <i>Agricultural and Forest Meteorology</i> , 2019 , 278, 107682	5.8	16
259	Mitigation efforts will not fully alleviate the increase in water scarcity occurrence probability in wheat-producing areas. <i>Science Advances</i> , 2019 , 5, eaau2406	14.3	50
258	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	6.5	23
257	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	5.5	16
256	Nutrient availability affects carbon turnover and microbial physiology differently in topsoil and subsoil under a temperate grassland. <i>Geoderma</i> , 2019 , 336, 22-30	6.7	11
255	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	11.5	86
254	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	10.2	36
253	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	5.5	17
252	Climate change impact and adaptation for wheat protein. <i>Global Change Biology</i> , 2019 , 25, 155-173	11.4	177
251	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	5.9	18
250	Converting temperate long-term arable land into semi-natural grassland: decadal-scale changes in topsoil C, N, 13C and 15N contents. <i>European Journal of Soil Science</i> , 2019 , 70, 350-360	3.4	8

249	Soil carbon varies between different organic and conventional management schemes in arable agriculture. <i>European Journal of Agronomy</i> , 2018 , 94, 79-88	5	25
248	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	5	4
247	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	10
246	Spatially differentiated strategies for reducing nitrate loads from agriculture in two Danish catchments. <i>Journal of Environmental Management</i> , 2018 , 208, 77-91	7.9	19
245	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	5.7	80
244	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	7.9	6
243	Nitrogen balances of innovative cropping systems for feedstock production to future biorefineries. <i>Science of the Total Environment</i> , 2018 , 633, 372-390	10.2	28
242	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. <i>International Journal of Climatology</i> , 2018 , 38, 2701-2717	3.5	28
241	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	5.7	41
240	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	28
239	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	5.7	28
238	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	10.2	16
237	Simulation of Soil Organic Carbon Effects on Long-Term Winter Wheat () Production Under Varying Fertilizer Inputs. <i>Frontiers in Plant Science</i> , 2018 , 9, 1158	6.2	7
236	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	5.8	7
235	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	1.1	5
234	Priority questions in multidisciplinary drought research. <i>Climate Research</i> , 2018 , 75, 241-260	1.6	26
233	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	5.9	15
232	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	5.8	25

231	Sensitivity of European wheat to extreme weather. <i>Field Crops Research</i> , 2018 , 222, 209-217	5.5	66
230	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	5.5	22
229	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	4.2	14
228	Diverging importance of drought stress for maize and winter wheat in Europe. <i>Nature Communications</i> , 2018 , 9, 4249	17.4	129
227	Cereal yield gaps across Europe. <i>European Journal of Agronomy</i> , 2018 , 101, 109-120	5	83
226	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	5	14
225	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	3.1	2
224	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	5.5	68
223	Performance of the SUBSTOR-potato model across contrasting growing conditions. <i>Field Crops Research</i> , 2017 , 202, 57-76	5.5	48
222	Crop model improvement reduces the uncertainty of the response to temperature of multi-model ensembles. <i>Field Crops Research</i> , 2017 , 202, 5-20	5.5	70
221	Multi-model uncertainty analysis in predicting grain N for crop rotations in Europe. <i>European Journal of Agronomy</i> , 2017 , 84, 152-165	5	26
220	Crop residues as driver for N ₂ O emissions from a sandy loam soil. <i>Agricultural and Forest Meteorology</i> , 2017 , 233, 45-54	5.8	34
219	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	14
218	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	5.7	43
217	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	10.2	26
216	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	35
215	The uncertainty of crop yield projections is reduced by improved temperature response functions. <i>Nature Plants</i> , 2017 , 3, 17102	11.5	95
214	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	3.4	23

213	Productivity of organic and conventional arable cropping systems in long-term experiments in Denmark. <i>European Journal of Agronomy</i> , 2017 , 90, 12-22	5	23
212	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	5	27
211	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	5	25
210	A potato model intercomparison across varying climates and productivity levels. <i>Global Change Biology</i> , 2017 , 23, 1258-1281	11.4	64
209	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	6.2	13
208	Combining organic and inorganic nitrogen fertilisation reduces N ₂ 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	3.9	21
207	Estimating crop yield using a satellite-based light use efficiency model. <i>Ecological Indicators</i> , 2016 , 60, 702-709	5.8	32
206	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	27
205	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO ₂ . <i>Field Crops Research</i> , 2016 , 198, 80-92	5.5	36
204	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	3.6	11
203	Agricultural Waste Biomass 2016 , 67-106		7
202	Similar estimates of temperature impacts on global wheat yield by three independent methods. <i>Nature Climate Change</i> , 2016 , 6, 1130-1136	21.4	233
201	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	21
200	Consolidating soil carbon turnover models by improved estimates of belowground carbon input. <i>Scientific Reports</i> , 2016 , 6, 32568	4.9	32
199	Effect of warming and nitrogen addition on evapotranspiration and water use efficiency in a wheat-soybean/fallow rotation from 2010 to 2014. <i>Climatic Change</i> , 2016 , 139, 565-578	4.5	8
198	Simulation of biomass yield of regular and chilling tolerant <i>Miscanthus</i> cultivars and reed canary grass in different climates of Europe. <i>Industrial Crops and Products</i> , 2016 , 86, 329-333	5.9	12
197	Comparing the performance of 11 crop simulation models in predicting yield response to nitrogen fertilization. <i>Journal of Agricultural Science</i> , 2016 , 154, 1218-1240	1	53
196	Combined effects of climate models, hydrological model structures and land use scenarios on hydrological impacts of climate change. <i>Journal of Hydrology</i> , 2016 , 535, 301-317	6	113

195	Incompatibility between fertility building measures and the management of perennial weeds in organic cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 220, 184-192	5.7	21
194	Targeted management of organic resources for sustainably increasing soil organic carbon: Observations and perspectives for resource use and climate adaptations in northern Ghana. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016 , 66, 178-190	1.1	2
193	Experimental warming-driven soil drying reduced N ₂ O emissions from fertilized crop rotations of winter wheat/soybean/fallow, 2009-2014. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 219, 71-82	5.7	25
192	Evidence for denitrification as main source of N ₂ O emission from residue-amended soil. <i>Soil Biology and Biochemistry</i> , 2016 , 92, 153-160	7.5	107
191	Changing regional weather-crop yield relationships across Europe between 1901 and 2012. <i>Climate Research</i> , 2016 , 70, 195-214	1.6	31
190	Introduction to the Assessment Characteristics of the Region. <i>Regional Climate Studies</i> , 2016 , 1-52		8
189	Socio-economic Impacts Agricultural Systems. <i>Regional Climate Studies</i> , 2016 , 397-407		3
188	Spatial Variation of Temperature and Precipitation in Bhutan and Links to Vegetation and Land Cover. <i>Mountain Research and Development</i> , 2016 , 36, 66	1.4	21
187	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	3.1	22
186	Limits of agricultural greenhouse gas calculators to predict soil N ₂ O and CH ₄ fluxes in tropical agriculture. <i>Scientific Reports</i> , 2016 , 6, 26279	4.9	22
185	Predicting nitrous oxide emissions from manure properties and soil moisture: An incubation experiment. <i>Soil Biology and Biochemistry</i> , 2016 , 97, 112-120	7.5	27
184	Adapting maize production to drought in the Northeast Farming Region of China. <i>European Journal of Agronomy</i> , 2016 , 77, 47-58	5	32
183	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	5	32
182	Multi-wheat-model ensemble responses to interannual climate variability. <i>Environmental Modelling and Software</i> , 2016 , 81, 86-101	5.2	38
181	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	35
180	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	10.2	56
179	Quantifying biological nitrogen fixation of different catch crops, and residual effects of roots and tops on nitrogen uptake in barley using in-situ ¹⁵ N labelling. <i>Plant and Soil</i> , 2015 , 395, 273-287	4.2	37
178	Do soil organic carbon levels affect potential yields and nitrogen use efficiency? An analysis of winter wheat and spring barley field trials. <i>European Journal of Agronomy</i> , 2015 , 66, 62-73	5	46

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5	Multi-model evaluation of phenology prediction for wheat in Australia		1
4	The chaos in calibrating crop models		1
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