

# Lars Stoumann Jensen

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

9,690  
citations

36271

51  
h-index

49868

87  
g-index

217  
all docs

217  
docs citations

217  
times ranked

9219  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of the performance of nine soil organic matter models using datasets from seven long-term experiments. <i>Geoderma</i> , 1997, 81, 153-225.	2.3	974
2	Catch crops and green manures as biological tools in nitrogen management in temperate zones. <i>Advances in Agronomy</i> , 2003, 79, 227-302.	2.4	458
3	Gross nitrogen fluxes in soil : theory, measurement and application of <sup>15</sup> N pool dilution techniques. <i>Advances in Agronomy</i> , 2003, 79, 69-118.	2.4	265
4	Potential of aeration flow rate and bio-char addition to reduce greenhouse gas and ammonia emissions during manure composting. <i>Chemosphere</i> , 2014, 97, 16-25.	4.2	232
5	Influence of biochemical quality on C and N mineralisation from a broad variety of plant materials in soil. <i>Plant and Soil</i> , 2005, 273, 307-326.	1.8	208
6	Policies for agricultural nitrogen management—trends, challenges and prospects for improved efficiency in Denmark. <i>Environmental Research Letters</i> , 2014, 9, 115002.	2.2	184
7	Soil surface CO <sub>2</sub> flux as an index of soil respiration in situ: A comparison of two chamber methods. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1297-1306.	4.2	169
8	Carbon sequestration in soil beneath long-term <i>Miscanthus</i> plantations as determined by <sup>13</sup> C abundance. <i>Biomass and Bioenergy</i> , 2004, 26, 97-105.	2.9	168
9	Organic matter and water management strategies to reduce methane and nitrous oxide emissions from rice paddies in Vietnam. <i>Agriculture, Ecosystems and Environment</i> , 2014, 196, 137-146.	2.5	157
10	Microbial mineralization and assimilation of black carbon: Dependency on degree of thermal alteration. <i>Organic Geochemistry</i> , 2008, 39, 839-845.	0.9	142
11	Temporal variation of C and N mineralization, microbial biomass and extractable organic pools in soil after oilseed rape straw incorporation in the field. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1043-1055.	4.2	138
12	Long-term fertilisation form, level and duration affect the diversity, structure and functioning of soil microbial communities in the field. <i>Soil Biology and Biochemistry</i> , 2018, 122, 91-103.	4.2	134
13	The effect of straw and wood gasification biochar on carbon sequestration, selected soil fertility indicators and functional groups in soil: An incubation study. <i>Geoderma</i> , 2016, 269, 99-107.	2.3	122
14	Using FTIR-photoacoustic spectroscopy for phosphorus speciation analysis of biochars. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 29-36.	2.0	117
15	Small-scale household biogas digesters: An option for global warming mitigation or a potential climate bomb?. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 736-741.	8.2	107
16	Farmer perceptions and use of organic waste products as fertilisers – A survey study of potential benefits and barriers. <i>Agricultural Systems</i> , 2017, 151, 84-95.	3.2	107
17	Turnover of carbon and nitrogen in a sandy loam soil following incorporation of chopped maize plants, barley straw and blue grass in the field. <i>Soil Biology and Biochemistry</i> , 1998, 30, 561-571.	4.2	103
18	Life cycle modelling of environmental impacts of application of processed organic municipal solid waste on agricultural land (Easewaste). <i>Waste Management and Research</i> , 2006, 24, 153-166.	2.2	103

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19	Exploring nitrogen indicators of farm performance among farm types across several European case studies. <i>Agricultural Systems</i> , 2020, 177, 102689.	3.2	102
20	Application of processed organic municipal solid waste on agricultural land – a scenario analysis. <i>Environmental Modeling and Assessment</i> , 2006, 11, 251-265.	1.2	101
21	Phosphate-solubilising microorganisms for improved crop productivity: a critical assessment. <i>New Phytologist</i> , 2021, 229, 1268-1277.	3.5	98
22	Reducing ammonia loss from cattle slurry by the use of acidifying additives: The role of the buffer system. <i>Journal of the Science of Food and Agriculture</i> , 1991, 57, 335-349.	1.7	96
23	Life cycle assessment of sewage sludge management options including long-term impacts after land application. <i>Journal of Cleaner Production</i> , 2018, 174, 538-547.	4.6	92
24	CN-SIM – a model for the turnover of soil organic matter. I. Long-term carbon and radiocarbon development. <i>Soil Biology and Biochemistry</i> , 2005, 37, 359-374.	4.2	87
25	Assessing soil constituents and labile soil organic carbon by mid-infrared photoacoustic spectroscopy. <i>Soil Biology and Biochemistry</i> , 2014, 77, 41-50.	4.2	87
26	Low soil temperature effects on short-term gross N mineralisation – immobilisation turnover after incorporation of a green manure. <i>Soil Biology and Biochemistry</i> , 2001, 33, 511-521.	4.2	84
27	The effect of different pyrolysis temperatures on the speciation and availability in soil of P in biochar produced from the solid fraction of manure. <i>Chemosphere</i> , 2017, 169, 377-386.	4.2	80
28	Chemical and biochemical variation in animal manure solids separated using different commercial separation technologies. <i>Bioresource Technology</i> , 2009, 100, 3088-3096.	4.8	79
29	Phosphorus availability from the solid fraction of pig slurry is altered by composting or thermal treatment. <i>Bioresource Technology</i> , 2014, 169, 543-551.	4.8	79
30	Turnover and fate of <sup>15</sup> N-labelled cattle slurry ammonium-N applied in the autumn to winter wheat. <i>European Journal of Agronomy</i> , 2000, 12, 23-35.	1.9	77
31	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.	1.9	75
32	The effective mitigation of greenhouse gas emissions from rice paddies without compromising yield by early-season drainage. <i>Science of the Total Environment</i> , 2018, 612, 1329-1339.	3.9	74
33	Prediction of Gross and Net Nitrogen Mineralization-Immobilization-Turnover from Respiration. <i>Soil Science Society of America Journal</i> , 2006, 70, 1121-1128.	1.2	72
34	Calibration and validation of the soil organic matter dynamics of the Daisy model with data from the Askov long-term experiments. <i>Soil Biology and Biochemistry</i> , 2003, 35, 67-76.	4.2	70
35	Effects of soil compaction on N-mineralization and microbial-C and -N. I. Field measurements. <i>Soil and Tillage Research</i> , 1996, 38, 175-188.	2.6	68
36	The Role of Soil Organic Matter for Maintaining Crop Yields: Evidence for a Renewed Conceptual Basis. <i>Advances in Agronomy</i> , 2018, 150, 35-79.	2.4	68

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37	Ammonia volatilization from surface-applied livestock slurry as affected by slurry composition and slurry infiltration depth. <i>Journal of Agricultural Science</i> , 2006, 144, 229-235.	0.6	67
38	Modelling diverse root density dynamics and deep nitrogen uptake—A simple approach. <i>Plant and Soil</i> , 2010, 326, 493-510.	1.8	67
39	Repeated application of organic waste affects soil organic matter composition: Evidence from thermal analysis, FTIR-PAS, amino sugars and lignin biomarkers. <i>Soil Biology and Biochemistry</i> , 2017, 104, 117-127.	4.2	67
40	Soil respiration, nitrogen mineralization and uptake in barley following cultivation of grazed grasslands. <i>Biology and Fertility of Soils</i> , 2001, 33, 139-145.	2.3	66
41	Life Cycle Assessment of Biogas Production in Small-scale Household Digesters in Vietnam. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 716-729.	2.4	62
42	Stakeholder perceptions of manure treatment technologies in Denmark, Italy, the Netherlands and Spain. <i>Journal of Cleaner Production</i> , 2018, 172, 1620-1630.	4.6	61
43	Temporal variation of C and N turnover in soil after oilseed rape straw incorporation in the field: simulations with the soil-plant-atmosphere model DAISY. <i>Ecological Modelling</i> , 1997, 99, 247-262.	1.2	59
44	Heterogeneity of O <sub>2</sub> dynamics in soil amended with animal manure and implications for greenhouse gas emissions. <i>Soil Biology and Biochemistry</i> , 2015, 84, 96-106.	4.2	59
45	Alternate partial root-zone irrigation induced dry/wet cycles of soils stimulate N mineralization and improve N nutrition in tomatoes. <i>Plant and Soil</i> , 2010, 337, 167-177.	1.8	58
46	Phosphorus in Denmark: National and regional anthropogenic flows. <i>Resources, Conservation and Recycling</i> , 2015, 105, 311-324.	5.3	58
47	Life cycle assessment of pig slurry treatment technologies for nutrient redistribution in Denmark. <i>Journal of Environmental Management</i> , 2014, 132, 60-70.	3.8	57
48	Vigorous Root Growth Is a Better Indicator of Early Nutrient Uptake than Root Hair Traits in Spring Wheat Grown under Low Fertility. <i>Frontiers in Plant Science</i> , 2016, 7, 865.	1.7	56
49	Decomposition of white clover ( <i>Trifolium repens</i> ) and ryegrass ( <i>Lolium perenne</i> ) components: C and N dynamics simulated with the DAISY soil organic matter submodel. <i>European Journal of Agronomy</i> , 2002, 16, 43-55.	1.9	55
50	Composting of solids separated from anaerobically digested animal manure: Effect of different bulking agents and mixing ratios on emissions of greenhouse gases and ammonia. <i>Biosystems Engineering</i> , 2014, 124, 63-77.	1.9	55
51	Mitigating CH <sub>4</sub> and N <sub>2</sub> O emissions from intensive rice production systems in northern Vietnam: Efficiency of drainage patterns in combination with rice residue incorporation. <i>Agriculture, Ecosystems and Environment</i> , 2017, 249, 101-111.	2.5	55
52	The effects of straw or straw-derived gasification biochar applications on soil quality and crop productivity: A farm case study. <i>Journal of Environmental Management</i> , 2017, 186, 88-95.	3.8	55
53	Simulating trends in soil organic carbon in long-term experiments using the soil-plant-atmosphere model DAISY. <i>Geoderma</i> , 1997, 81, 5-28.	2.3	54
54	Decomposition of plant residues of different quality in soil—DAISY model calibration and simulation based on experimental data. <i>Ecological Modelling</i> , 2003, 166, 3-18.	1.2	54

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55	The implications of phasing out conventional nutrient supply in organic agriculture: Denmark as a case. <i>Organic Agriculture</i> , 2013, 3, 41-55.	1.2	54
56	CN-SIM: a model for the turnover of soil organic matter. II. Short-term carbon and nitrogen development. <i>Soil Biology and Biochemistry</i> , 2005, 37, 375-393.	4.2	52
57	Residual phosphorus availability after long-term soil application of organic waste. <i>Agriculture, Ecosystems and Environment</i> , 2019, 270-271, 65-75.	2.5	51
58	Validation of model calculation of ammonia deposition in the neighbourhood of a poultry farm using measured NH <sub>3</sub> concentrations and N deposition. <i>Atmospheric Environment</i> , 2009, 43, 915-920.	1.9	49
59	Mitigation of greenhouse gas emissions and reduced irrigation water use in rice production through water-saving irrigation scheduling, reduced tillage and fertiliser application strategies. <i>Science of the Total Environment</i> , 2020, 739, 140215.	3.9	49
60	Carbon, Nitrogen, and Phosphorus Distribution in Particle Size-Fractionated Separated Pig and Cattle Slurry. <i>Journal of Environmental Quality</i> , 2011, 40, 224-232.	1.0	47
61	FTIR-PAS: A powerful tool for characterising the chemical composition and predicting the labile C fraction of various organic waste products. <i>Waste Management</i> , 2015, 39, 45-56.	3.7	47
62	Long-term P and K fertilisation strategies and balances affect soil availability indices, crop yield depression risk and N use. <i>European Journal of Agronomy</i> , 2017, 86, 12-23.	1.9	45
63	Initialisation of the soil organic matter pools of the Daisy model. <i>Ecological Modelling</i> , 2002, 153, 291-295.	1.2	44
64	In search of stable soil organic carbon fractions: a comparison of methods applied to soils labelled with <sup>14</sup> C for 40 days or 40 years. <i>European Journal of Soil Science</i> , 2008, 59, 247-256.	1.8	44
65	Production of compact plants by overexpression of <i>AtSH1</i> in the ornamental <i>Kalanchoë</i> . <i>Plant Biotechnology Journal</i> , 2010, 8, 211-222.	4.1	44
66	Empirical predictions of plant material C and N mineralization patterns from near infrared spectroscopy, stepwise chemical digestion and C/N ratios. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2283-2296.	4.2	43
67	Injection methods to reduce ammonia emission from volatile liquid fertilisers applied to growing crops. <i>Biosystems Engineering</i> , 2008, 100, 235-244.	1.9	43
68	Effects of rice straw, biochar and mineral fertiliser on methane (CH <sub>4</sub> ) and nitrous oxide (N <sub>2</sub> O) emissions from rice ( <i>Oryza sativa</i> L.) grown in a rain-fed lowland rice soil of Cambodia: a pot experiment. <i>Paddy and Water Environment</i> , 2015, 13, 465-475.	1.0	43
69	Potent 4-Aryl- or 4-Arylalkyl-Substituted 3-Isloxazolol GABAA Antagonists: Synthesis, Pharmacology, and Molecular Modeling. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 427-439.	2.9	42
70	Estimating soil C loss potentials from the C to N ratio. <i>Soil Biology and Biochemistry</i> , 2008, 40, 849-852.	4.2	42
71	Phosphorus, copper and zinc in solid and liquid fractions from full-scale and laboratory-separated pig slurry. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2119-2131.	1.2	42
72	Repeated soil application of organic waste amendments reduces draught force and fuel consumption for soil tillage. <i>Agriculture, Ecosystems and Environment</i> , 2015, 211, 94-101.	2.5	42

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73	Effects of cattle slurry and nitrification inhibitor application on spatial soil O <sub>2</sub> dynamics and N <sub>2</sub> O production pathways. <i>Soil Biology and Biochemistry</i> , 2017, 114, 200-209.	4.2	42
74	Natural abundance and carbon storage in Danish soils under continuous silage maize. <i>European Journal of Agronomy</i> , 2005, 22, 107-117.	1.9	41
75	Methane (CH <sub>4</sub> ) and nitrous oxide (N <sub>2</sub> O) emissions from the system of rice intensification (SRI) under a rain-fed lowland rice ecosystem in Cambodia. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 97, 13-27.	1.1	41
76	Nitrogen turnover, crop use efficiency and soil fertility in a long-term field experiment amended with different qualities of urban and agricultural waste. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 300-313.	2.5	41
77	A nitrogen mineralization model based on relationships for gross mineralization and immobilization. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2712-2721.	4.2	39
78	The System of Rice Intensification: Adapted practices, reported outcomes and their relevance in Cambodia. <i>Agricultural Systems</i> , 2012, 113, 16-27.	3.2	38
79	Alternate partial root-zone irrigation improves fertilizer-N use efficiency in tomatoes. <i>Irrigation Science</i> , 2013, 31, 589-598.	1.3	38
80	The influence of the pig manure separation system on the energy production potentials. <i>Bioresource Technology</i> , 2013, 136, 502-508.	4.8	38
81	Rapid estimation of the biochemical methane potential of plant biomasses using Fourier transform mid-infrared photoacoustic spectroscopy. <i>Bioresource Technology</i> , 2015, 197, 475-481.	4.8	37
82	Influence of long-term phosphorus fertilisation history on the availability and chemical nature of soil phosphorus. <i>Geoderma</i> , 2019, 355, 113909.	2.3	37
83	Greenhouse gas emissions from passive composting of manure and digestate with crop residues and biochar on small-scale livestock farms in Vietnam. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2924-2935.	1.2	36
84	Title is missing!. <i>Plant and Soil</i> , 1997, 190, 193-202.	1.8	35
85	Soil C and N turnover after incorporation of chopped maize, barley straw and blue grass in the field: Evaluation of the DAISY soil's "organic-matter submodel. <i>Ecological Modelling</i> , 1998, 111, 1-15.	1.2	35
86	Storage temperature affects distribution of carbon, VFA, ammonia, phosphorus, copper and zinc in raw pig slurry and its separated liquid fraction. <i>Water Research</i> , 2012, 46, 3849-3858.	5.3	35
87	Biochemical characteristics of solid fractions from animal slurry separation and their effects on C and N mineralisation in soil. <i>Biology and Fertility of Soils</i> , 2011, 47, 447-455.	2.3	34
88	Long-Term Emission Factors for Land Application of Treated Organic Municipal Waste. <i>Environmental Modeling and Assessment</i> , 2016, 21, 111-124.	1.2	34
89	Plant availability of phosphorus from dewatered sewage sludge, untreated incineration ashes, and other products recovered from a wastewater treatment system. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 779-787.	1.1	33
90	Size-density fractionation for in situ measurements of rape straw decomposition" An alternative to the litterbag approach?. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1125-1133.	4.2	32

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91	Title is missing!. Plant and Soil, 1998, 203, 91-101.	1.8	32
92	Measuring and modeling continuous quality distributions of soil organic matter. Biogeosciences, 2010, 7, 27-41.	1.3	31
93	Effects of soil compaction on N-mineralization and microbial-C and -N. II. Laboratory simulation. Soil and Tillage Research, 1996, 38, 189-202.	2.6	30
94	Effects of long-term annual inputs of straw and organic manure on plant N uptake and soil N fluxes. Soil Use and Management, 2007, 23, 368-373.	2.6	30
95	Thermal drying of the solid fraction from biogas digestate: Effects of acidification, temperature and ventilation on nitrogen content. Waste Management, 2016, 48, 218-226.	3.7	30
96	Near Infrared Reflectance Spectroscopy for Quantification of Crop Residue, Green Manure and Catch Crop C and N Fractions Governing Decomposition Dynamics in Soil. Journal of Near Infrared Spectroscopy, 2004, 12, 331-346.	0.8	29
97	Effect of soil heterogeneity on gross nitrogen mineralization measured by $^{15}\text{N}$ -pool dilution techniques. Plant and Soil, 2004, 262, 263-275.	1.8	28
98	Influence of pig manure biochar mineral content on $\text{Cr}(\text{III})$ sorption capacity. Journal of Chemical Technology and Biotechnology, 2014, 89, 569-578.	1.6	28
99	Estimating Turnover of Soil Organic Carbon Fractions Based on Radiocarbon Measurements. Radiocarbon, 2005, 47, 99-113.	0.8	28
100	Modeling vertical movement of organic matter in a soil incubated for 41 years with $^{14}\text{C}$ labeled straw. Soil Biology and Biochemistry, 2007, 39, 368-371.	4.2	27
101	The different effects of applying fresh, composted or charred manure on soil $\text{N}_2\text{O}$ emissions. Soil Biology and Biochemistry, 2014, 74, 61-69.	4.2	27
102	Manure, biogas digestate and crop residue management affects methane gas emissions from rice paddy fields on Vietnamese smallholder livestock farms. Nutrient Cycling in Agroecosystems, 2015, 103, 329-346.	1.1	27
103	Spatiotemporal dynamics of phosphorus release, oxygen consumption and greenhouse gas emissions after localised soil amendment with organic fertilisers. Science of the Total Environment, 2016, 554-555, 119-129.	3.9	27
104	Nutrient Recovery From the Liquid Fraction of Digestate by Clinoptilolite. Clean - Soil, Air, Water, 2017, 45, 1500153.	0.7	27
105	Seed inoculation with <i>Penicillium bilaiae</i> and <i>Bacillus simplex</i> affects the nutrient status of winter wheat. Biology and Fertility of Soils, 2020, 56, 97-109.	2.3	26
106	Effect of biogas technology on nutrient flows for small- and medium-scale pig farms in Vietnam. Nutrient Cycling in Agroecosystems, 2012, 94, 1-13.	1.1	25
107	Estimation of long-term environmental inventory factors associated with land application of sewage sludge. Journal of Cleaner Production, 2016, 126, 440-450.	4.6	25
108	Early drainage mitigates methane and nitrous oxide emissions from organically amended paddy soils. Geoderma, 2017, 304, 49-58.	2.3	25

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109	Estimating vital statistics and age distributions of measurable soil organic carbon fractions based on their pathway of formation and radiocarbon content. <i>Journal of Theoretical Biology</i> , 2004, 230, 241-250.	0.8	24
110	Life cycle assessment of garden waste management options including long-term emissions after land application. <i>Waste Management</i> , 2019, 86, 54-66.	3.7	24
111	Spatial Oxygen Distribution and Nitrous Oxide Emissions from Soil after Manure Application: A Novel Approach Using Planar Optodes. <i>Journal of Environmental Quality</i> , 2014, 43, 1809-1812.	1.0	23
112	Long-term fertilisation strategies and form affect nutrient budgets and soil test values, soil carbon retention and crop yield resilience. <i>Plant and Soil</i> , 2019, 434, 47-64.	1.8	23
113	A life cycle perspective of slurry acidification strategies under different nitrogen regulations. <i>Journal of Cleaner Production</i> , 2016, 127, 591-599.	4.6	22
114	Pig slurry acidification and separation techniques affect soil N and C turnover and N <sub>2</sub> O emissions from solid, liquid and biochar fractions. <i>Journal of Environmental Management</i> , 2016, 168, 236-244.	3.8	22
115	Does the combination of biochar and clinoptilolite enhance nutrient recovery from the liquid fraction of biogas digestate?. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1313-1323.	1.2	22
116	Penicillium bilaii effects on maize growth and P uptake from soil and localized sewage sludge in a rhizobox experiment. <i>Biology and Fertility of Soils</i> , 2017, 53, 23-35.	2.3	22
117	Bamboo biochar does not affect paddy soil N <sub>2</sub> O emissions or source following slurry or mineral fertilizer amendment <sup>15</sup> N tracer study. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 90-98.	1.1	22
118	Recovery of nutrients from the liquid fraction of digestate: Use of enriched zeolite and biochar as nitrogen fertilizers. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 187-195.	1.1	22
119	Effects of Penicillium bilaii on maize growth are mediated by available phosphorus. <i>Plant and Soil</i> , 2018, 431, 159-173.	1.8	21
120	Pig slurry acidification, separation technology and thermal conversion affect phosphorus availability in soil amended with the derived solid fractions, chars or ashes. <i>Plant and Soil</i> , 2016, 401, 93-107.	1.8	20
121	Microscale fumigation-extraction and substrate-induced respiration methods for measuring microbial biomass in barley rhizosphere. <i>Plant and Soil</i> , 1994, 162, 151-161.	1.8	19
122	Influence of 15NH <sub>4</sub> <sup>+</sup> -application on gross N turnover rates in soil. <i>Soil Biology and Biochemistry</i> , 2003, 35, 603-606.	4.2	19
123	Assessing soil carbon lability by near infrared spectroscopy and NaOCl oxidation. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2170-2177.	4.2	19
124	Simulating nitrate retention in soils and the effect of catch crop use and rooting pattern under the climatic conditions of Northern Europe. <i>Soil Use and Management</i> , 2009, 25, 243-254.	2.6	19
125	Phosphorus Distribution in Untreated and Composted Solid Fractions from Slurry Separation. <i>Journal of Environmental Quality</i> , 2010, 39, 393-401.	1.0	19
126	Opportunity costs for maize associated with localised application of sewage sludge derived fertilisers, as indicated by early root and phosphorus uptake responses. <i>Plant and Soil</i> , 2016, 406, 201-217.	1.8	19



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127	Catch crops affect nitrogen dynamics in organic farming systems without livestock husbandry—Simulations with the DAISY model. <i>Ecological Modelling</i> , 2006, 191, 538-544.	1.2	18
128	A simple model for assessing ammonia emission from ammoniacal fertilisers as affected by pH and injection into soil. <i>Atmospheric Environment</i> , 2008, 42, 4656-4664.	1.9	18
129	Differential responses of root and root hair traits of spring wheat genotypes to phosphorus deficiency in solution culture. <i>Plant, Soil and Environment</i> , 2016, 62, 540-546.	1.0	18
130	The effect of <i>Penicillium bilaii</i> on wheat growth and phosphorus uptake as affected by soil pH, soil P and application of sewage sludge. <i>Chemical and Biological Technologies in Agriculture</i> , 2016, 3, .	1.9	18
131	Towards integrated cover crop management: N, P and S release from aboveground and belowground residues. <i>Agriculture, Ecosystems and Environment</i> , 2021, 313, 107392.	2.5	18
132	Residual nitrogen effect of a dairy crop rotation as influenced by grass-clover ley management, manure type and age. <i>Soil Use and Management</i> , 2005, 21, 278-286.	2.6	17
133	Characteristics of Soil Carbon Buried for 3300 Years in a Bronze Age Burial Mound. <i>Soil Science Society of America Journal</i> , 2008, 72, 1292-1298.	1.2	17
134	Nitrogen turnover and loss during storage of slurry and composting of solid manure under typical Vietnamese farming conditions. <i>Journal of Agricultural Science</i> , 2011, 149, 285-296.	0.6	17
135	Increased retention of available nitrogen during thermal drying of solids of digested sewage sludge and manure by acid and zeolite addition. <i>Waste Management</i> , 2019, 100, 306-317.	3.7	17
136	Comparison of $^{15}\text{NH}_4^+$ pool dilution techniques to measure gross N fluxes in a coarse textured soil. <i>Soil Biology and Biochemistry</i> , 2005, 37, 569-572.	4.2	16
137	Cultivar differences in spatial root distribution during early growth in soil, and its relation to nutrient uptake - a study of wheat, onion and lettuce. <i>Plant and Soil</i> , 2016, 408, 255-270.	1.8	16
138	Seed treatment with <i>Penicillium</i> sp. or Mn/Zn can alleviate the negative effects of cold stress in maize grown in soils dependent on soil fertility. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 603-612.	1.7	16
139	Reducing greenhouse gas emissions and grain arsenic and lead levels without compromising yield in organically produced rice. <i>Agriculture, Ecosystems and Environment</i> , 2020, 295, 106922.	2.5	16
140	Properties of anaerobically digested and composted municipal solid waste assessed by linking soil mesofauna dynamics and nitrogen modelling. <i>Biology and Fertility of Soils</i> , 2007, 44, 59-68.	2.3	15
141	Prediction of changes in important physical parameters during composting of separated animal slurry solid fractions. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 220-231.	1.2	15
142	Environmental impacts of combining pig slurry acidification and separation under different regulatory regimes – A life cycle assessment. <i>Journal of Environmental Management</i> , 2016, 181, 710-720.	3.8	15
143	A model simulation analysis of soil nitrate concentrations—Does soil organic matter pool structure or catch crop growth parameters matter most?. <i>Ecological Modelling</i> , 2007, 205, 209-220.	1.2	13
144	Distribution and controls on gross N mineralization-immobilization-turnover in soil subjected to zero tillage. <i>European Journal of Soil Science</i> , 2008, 59, 190-197.	1.8	13

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145	Nitrogen transformations in and $N_2O$ emissions from soil amended with manure solids and nitrification inhibitor. <i>European Journal of Soil Science</i> , 2016, 67, 792-803.	1.8	13
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