

Lars Stoumann Jensen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3087740/publications.pdf>

Version: 2024-02-01

202
papers

9,690
citations

36203

51
h-index

49773

87
g-index

217
all docs

217
docs citations

217
times ranked

9219
citing authors

#	ARTICLE	IF	CITATIONS
1	Scenario analysis using the Daisy model to assess and mitigate nitrate leaching from complex agro-environmental settings in Denmark. <i>Science of the Total Environment</i> , 2022, 816, 151518.	3.9	2
2	Selection and application of agri-environmental indicators to assess potential technologies for nutrient recovery in agriculture. <i>Ecological Indicators</i> , 2022, 134, 108471.	2.6	9
3	Succession of the wheat seed-associated microbiome as affected by soil fertility level and introduction of <i>Penicillium</i> and <i>Bacillus</i> inoculants in the field. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	5
4	Can silicon in glacial rock flour enhance phosphorus availability in acidic tropical soil?. <i>Plant and Soil</i> , 2022, 477, 241-258.	1.8	4
5	Nutrient interactions and salinity effects on plant uptake of phosphorus from waste-based fertilisers. <i>Geoderma</i> , 2022, 422, 115939.	2.3	2
6	Adequacy of nitrogen-based indicators for assessment of cropping system performance: A modelling study of Danish scenarios. <i>Science of the Total Environment</i> , 2022, 842, 156927.	3.9	4
7	Effect of natural and regulatory conditions on the environmental impacts of pig slurry acidification across different regions in Europe: A life cycle assessment. <i>Journal of Cleaner Production</i> , 2022, 368, 133072.	4.6	5
8	Phosphate-solubilising microorganisms for improved crop productivity: a critical assessment. <i>New Phytologist</i> , 2021, 229, 1268-1277.	3.5	98
9	Inactivation of <i>Cryptosporidium parvum</i> oocysts and faecal indicator bacteria in cattle slurry by addition of ammonia. <i>Journal of Applied Microbiology</i> , 2021, 130, 1745-1757.	1.4	3
10	Chemical properties of agro-waste compost affect greenhouse gas emission from soils through changed C and N mineralisation. <i>Biology and Fertility of Soils</i> , 2021, 57, 781-792.	2.3	13
11	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
12	Comparison of Alum and Sulfuric Acid to Retain and Increase the Ammonium Content of Digestate Solids during Thermal Drying. <i>Nitrogen</i> , 2021, 2, 287-297.	0.6	3
13	Dataset of biomass and chemical quality of crop residues from European areas. <i>Data in Brief</i> , 2021, 37, 107227.	0.5	6
14	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.	1.2	13
15	Seed inoculation with <i>Penicillium bilaiae</i> and <i>Bacillus simplex</i> affects the nutrient status of winter wheat. <i>Biology and Fertility of Soils</i> , 2020, 56, 97-109.	2.3	26
16	Exploring nitrogen indicators of farm performance among farm types across several European case studies. <i>Agricultural Systems</i> , 2020, 177, 102689.	3.2	102
17	Acidified Animal Manure Products Combined with a Nitrification Inhibitor Can Serve as a Starter Fertilizer for Maize. <i>Agronomy</i> , 2020, 10, 1941.	1.3	12
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Three different Fourierâ€transform midâ€infrared sampling techniques to characterize bioâ€organic samples. <i>Journal of Environmental Quality</i> , 2020, 49, 1310-1321.	1.0	6
21	DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a Sustainable, Low-Nitrogen Food Production. , 2020, , 363-376.		1
22	Phosphorus availability of sewage sludges and ashes in soils of contrasting pH. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 682-694.	1.1	12
23	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
24	Glacially abraded rock flour from Greenland: Potential for macronutrient supply to plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 846-856.	1.1	8
25	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
26	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
27	Estimating nitrogen release from Brassicacatch crop residuesâ€Comparison of different approaches within the APSIM model. <i>Soil and Tillage Research</i> , 2019, 195, 104358.	2.6	11
28	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
29	Biotic strategies to increase plant availability of sewage sludge ash phosphorus. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 175-186.	1.1	6
30	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
31	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
32	Fertilising effect of sewage sludge ash inoculated with the phosphate-solubilising fungus <i>Penicillium bilaiae</i> under semi-field conditions. <i>Biology and Fertility of Soils</i> , 2019, 55, 43-51.	2.3	10
33	Nitrogen and phosphorus release from organic wastes and suitability as bio-based fertilizers in a circular economy. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 701-715.	1.2	12
34	Deriving Environmental Life Cycle Inventory Factors for Land Application of Garden Waste Products Under Northern European Conditions. <i>Environmental Modeling and Assessment</i> , 2019, 24, 21-35.	1.2	6
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Bamboo biochar does not affect paddy soil N ₂ O emissions or source following slurry or mineral fertilizer amendment ^a a ¹⁵ N tracer study. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 90-98.	1.1	22
38	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
39	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
40	Low-P solution culture can be used for screening root growth vigor in soil for high nutrient uptake of spring wheat varieties. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 130-138.	0.3	2
41	Life cycle inventory modeling of phosphorus substitution, losses and crop uptake after land application of organic waste products. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1950-1965.	2.2	12
42	Co-design and assessment of mitigation practices in rice production systems: A case study in northern Vietnam. <i>Agricultural Systems</i> , 2018, 167, 72-82.	3.2	11
43	Use of <i>Penicillium bilaiae</i> to improve phosphorus bioavailability of thermally treated sewage sludge – A potential novel type biofertiliser. <i>Process Biochemistry</i> , 2018, 69, 169-177.	1.8	13
44	Comparing Environmental Impacts from Insects for Feed and Food as an Alternative to Animal Production. , 2018, , 163-180.		7
45	Enhancing the phosphorus bioavailability of thermally converted sewage sludge by phosphate-solubilising fungi. <i>Ecological Engineering</i> , 2018, 120, 44-53.	1.6	13
46	Survival and phosphate solubilisation activity of desiccated formulations of <i>Penicillium bilaiae</i> and <i>Aspergillus niger</i> influenced by water activity. <i>Journal of Microbiological Methods</i> , 2018, 150, 39-46.	0.7	2
47	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
48	Effects of <i>Penicillium bilaii</i> on maize growth are mediated by available phosphorus. <i>Plant and Soil</i> , 2018, 431, 159-173.	1.8	21
49	Paddy soil drainage influences residue carbon contribution to methane emissions. <i>Journal of Environmental Management</i> , 2018, 225, 168-176.	3.8	9
50	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
51	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
52	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
53	Nutrient Recovery From the Liquid Fraction of Digestate by Clinoptilolite. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500153.	0.7	27
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Nutrient uptake efficiency in ryegrass fertilized with dried digestate solids as affected by acidification and drying temperature. <i>Plant and Soil</i> , 2017, 421, 401-416.	1.8	9
57	Mitigating CH ₄ and N ₂ 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
58	Biogas Digester Hydraulic Retention Time Affects Oxygen Consumption Patterns and Greenhouse Gas Emissions after Application of Digestate to Soil. <i>Journal of Environmental Quality</i> , 2017, 46, 1114-1122.	1.0	7
59	Effects of cattle slurry and nitrification inhibitor application on spatial soil O ₂ dynamics and N ₂ O production pathways. <i>Soil Biology and Biochemistry</i> , 2017, 114, 200-209.	4.2	42
60	Nitrogen mineralisation and greenhouse gas emission from the soil application of sludge from reed bed mineralisation systems. <i>Journal of Environmental Management</i> , 2017, 203, 59-67.	3.8	7
61	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
62	Effects of thermal drying on phosphorus availability from iron-precipitated sewage sludge. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 720-728.	1.1	13
63	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
64	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
65	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
66	<i>Penicillium bilaii</i> 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
67	Early drainage mitigates methane and nitrous oxide emissions from organically amended paddy soils. <i>Geoderma</i> , 2017, 304, 49-58.	2.3	25
68	Genotypic differences in growth, yield and nutrient accumulation of spring wheat cultivars in response to long-term soil fertility regimes. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 126-133.	0.3	1
69	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
70	Net and Gross Nitrogen Turnover in Soil Amended with Acidified and Differently Dried Solids from Biogas Digestate. <i>Soil Science Society of America Journal</i> , 2016, 80, 943-953.	1.2	7
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Estimation of long-term environmental inventory factors associated with land application of sewage sludge. <i>Journal of Cleaner Production</i> , 2016, 126, 440-450.	4.6	25
75	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
76	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
77	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
78	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
79	Localized application of sewage sludge improved plant nitrogen and phosphorus uptake by rhizobox-grown spring wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 689-695.	1.1	9
80	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
81	Factors explaining variability in rice yields in a rain-fed lowland rice ecosystem in Southern Cambodia. <i>Njas - Wageningen Journal of Life Sciences</i> , 2016, 78, 129-137.	7.9	9
82	Increasing thermal drying temperature of biosolids reduced nitrogen mineralisation and soil N_2O emissions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14383-14392.	2.7	5
83	Spatiotemporal dynamics of phosphorus release, oxygen consumption and greenhouse gas emissions after localised soil amendment with organic fertilisers. <i>Science of the Total Environment</i> , 2016, 554-555, 119-129.	3.9	27
84	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
85	Pig slurry acidification and separation techniques affect soil N and C turnover and N_2O emissions from solid, liquid and biochar fractions. <i>Journal of Environmental Management</i> , 2016, 168, 236-244.	3.8	22
86	Measuring Phosphorus Availability in Recently Fertilized Soils with the Diffusive Gradient in Thin Films (DGT) Method – Challenges and Opportunities. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 563-570.	0.6	10
87	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
88	Thermal drying of the solid fraction from biogas digestate: Effects of acidification, temperature and ventilation on nitrogen content. <i>Waste Management</i> , 2016, 48, 218-226.	3.7	30
89	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
90	Phosphorus in Denmark: National and regional anthropogenic flows. <i>Resources, Conservation and Recycling</i> , 2015, 105, 311-324.	5.3	58

#	ARTICLE	IF	CITATIONS
91	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
92	Manure, biogas digestate and crop residue management affects methane gas emissions from rice paddy fields on Vietnamese smallholder livestock farms. <i>Nutrient Cycling in Agroecosystems</i> , 2015, 103, 329-346.	1.1	27
93	Effects of rice straw, biochar and mineral fertiliser on methane (CH ₄) and nitrous oxide (N ₂ 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
94	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
95	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
96	Heterogeneity of O ₂ 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
97	Determination of the Higher Heating Value of Pig Manure. <i>Waste and Biomass Valorization</i> , 2015, 6, 327-333.	1.8	1
98	Effects of sewage sludge stabilization on fertilizer value and greenhouse gas emissions after soil application. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 506-516.	0.3	12
99	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
100	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
101	Animal Manure Separation Technologies Diminish the Environmental Burden of Steroid Hormones. <i>Environmental Science and Technology Letters</i> , 2015, 2, 133-137.	3.9	8
102	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
103	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
104	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
105	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
106	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
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	The different effects of applying fresh, composted or charred manure on soil N ₂ O emissions. <i>Soil Biology and Biochemistry</i> , 2014, 74, 61-69.	4.2	27
112	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
113	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
114	Influence of pig manure biochar mineral content on Cr(III) sorption capacity. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 569-578.	1.6	28
115	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
116	Alternate partial root-zone irrigation improves fertilizer-N use efficiency in tomatoes. <i>Irrigation Science</i> , 2013, 31, 589-598.	1.3	38
117	Methane (CH ₄) and nitrous oxide (N ₂ 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
118	The influence of the pig manure separation system on the energy production potentials. <i>Bioresource Technology</i> , 2013, 136, 502-508.	4.8	38
119	Turnover of Manure ¹⁵ N-Labelled Ammonium during Composting and Soil Application as Affected by Lime and Superphosphate Addition. <i>Soil Science Society of America Journal</i> , 2013, 77, 190-201.	1.2	8
120	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
121	Effect of biogas technology on nutrient flows for small- and medium-scale pig farms in Vietnam. <i>Nutrient Cycling in Agroecosystems</i> , 2012, 94, 1-13.	1.1	25
122	Application rate and composting method affect the immediate and residual manure fertilizer value in a maize-rice-rice-maize cropping sequence on a degraded soil in northern Vietnam. <i>Soil Science and Plant Nutrition</i> , 2012, 58, 206-223.	0.8	10
123	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
124	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
125	Differences in carbon and nitrogen stable isotope signatures amongst wild and released pheasant populations. <i>European Journal of Wildlife Research</i> , 2012, 58, 755-760.	0.7	6
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	Modelling diverse root density dynamics and deep nitrogen uptake – A simple approach. <i>Plant and Soil</i> , 2010, 326, 493-510.	1.8	67
130	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
131	Production of compact plants by overexpression of <i>AtSH1</i> in the ornamental <i>Kalanchoe</i> . <i>Plant Biotechnology Journal</i> , 2010, 8, 211-222.	4.1	44
132	Measuring and modeling continuous quality distributions of soil organic matter. <i>Biogeosciences</i> , 2010, 7, 27-41.	1.3	31
133	Phosphorus Distribution in Untreated and Composted Solid Fractions from Slurry Separation. <i>Journal of Environmental Quality</i> , 2010, 39, 393-401.	1.0	19
134	Assessing soil carbon lability by near infrared spectroscopy and NaOCl oxidation. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2170-2177.	4.2	19
135	Validation of model calculation of ammonia deposition in the neighbourhood of a poultry farm using measured NH ₃ concentrations and N deposition. <i>Atmospheric Environment</i> , 2009, 43, 915-920.	1.9	49
136	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
137	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
138	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
139	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
140	In search of stable soil organic carbon fractions: a comparison of methods applied to soils labelled with ¹⁴ C for 40 days or 40 years. <i>European Journal of Soil Science</i> , 2008, 59, 247-256.	1.8	44
141	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
142	Estimating soil C loss potentials from the C to N ratio. <i>Soil Biology and Biochemistry</i> , 2008, 40, 849-852.	4.2	42
143	Microbial mineralization and assimilation of black carbon: Dependency on degree of thermal alteration. <i>Organic Geochemistry</i> , 2008, 39, 839-845.	0.9	142
144	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

#	ARTICLE	IF	CITATIONS
145	Carbon and N turnover in moist sandy soil following short exposure to a range of high soil temperature regimes. <i>Soil Research</i> , 2008, 46, 710.	0.6	12
146	Modelling C and N mineralization during decomposition of anaerobically digested and composted municipal solid waste. <i>Waste Management and Research</i> , 2007, 25, 170-176.	2.2	7
147	Letter: Closing the phosphorus loop from intensive livestock farms. <i>Environmental Science & Technology</i> , 2007, 41, 5166-5166.	4.6	0
148	Effects of long-term annual inputs of straw and organic manure on plant N uptake and soil N fluxes. <i>Soil Use and Management</i> , 2007, 23, 368-373.	2.6	30
149	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
150	Modeling vertical movement of organic matter in a soil incubated for 41 years with ¹⁴ C labeled straw. <i>Soil Biology and Biochemistry</i> , 2007, 39, 368-371.	4.2	27
151	Stepwise chemical digestion, near-infrared spectroscopy or total N measurement to take account of decomposability of plant C and N in a mechanistic model. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3115-3126.	4.2	12
152	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
153	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
154	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
155	CHARACTERISATION OF PLANT RESIDUE QUALITY FOR PREDICTION OF DECOMPOSITION AND NITROGEN RELEASE IN AGRICULTURAL SOILS. <i>Acta Horticulturae</i> , 2006, , 57-62.	0.1	1
156	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
157	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
158	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
159	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
160	Potent 4-Aryl- or 4-Arylalkyl-Substituted 3-Isoxazolol GABAAAntagonists:Â Synthesis, Pharmacology, and Molecular Modeling. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 427-439.	2.9	42
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	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
166	Comments to a ^{15}N tracing model to analyse N transformations in old grassland soil. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1003-1005.	4.2	5
167	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
168	Gross N mineralization-immobilization rates in heterogeneous intact soil cores can be estimated without marked error. <i>Biology and Fertility of Soils</i> , 2005, 41, 280-283.	2.3	12
169	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
170	Estimating Turnover of Soil Organic Carbon Fractions Based on Radiocarbon Measurements. <i>Radiocarbon</i> , 2005, 47, 99-113.	0.8	28
171	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	8
172	Effect of soil heterogeneity on gross nitrogen mineralization measured by ^{15}N -pool dilution techniques. <i>Plant and Soil</i> , 2004, 262, 263-275.	1.8	28
173	Mineralization of nitrogen in Danish soils, as affected by short-, medium- and long-term annual inputs of animal slurries. <i>Biology and Fertility of Soils</i> , 2004, 39, 352-359.	2.3	11
174	Carbon sequestration in soil beneath long-term <i>Miscanthus</i> plantations as determined by ^{13}C abundance. <i>Biomass and Bioenergy</i> , 2004, 26, 97-105.	2.9	168
175	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
176	Remote sensing mapping of soil and plants as basis for a variable-rate nutrient application system. , 2004, , .		0
177	Near Infrared Reflectance Spectroscopy for Quantification of Crop Residue, Green Manure and Catch Crop C and N Fractions Governing Decomposition Dynamics in Soil. <i>Journal of Near Infrared Spectroscopy</i> , 2004, 12, 331-346.	0.8	29
178	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
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Influence of 15NH ₄ ⁺ -application on gross N turnover rates in soil. <i>Soil Biology and Biochemistry</i> , 2003, 35, 603-606.	4.2	19
182	Gross nitrogen fluxes in soil : theory, measurement and application of 15N pool dilution techniques. <i>Advances in Agronomy</i> , 2003, 79, 69-118.	2.4	265
183	Initialisation of the soil organic matter pools of the Daisy model. <i>Ecological Modelling</i> , 2002, 153, 291-295.	1.2	44
184	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
185	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
186	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
187	Turnover and fate of 15N-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
188	Title is missing!. <i>Plant and Soil</i> , 1998, 203, 91-101.	1.8	32
189	Soil C and N turnover after incorporation of chopped maize, barley straw and blue grass in the field: Evaluation of the DAISY soil—organic-matter submodel. <i>Ecological Modelling</i> , 1998, 111, 1-15.	1.2	35
190	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
191	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
192	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
193	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
194	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
195	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
196	Title is missing!. <i>Plant and Soil</i> , 1997, 190, 193-202.	1.8	35
197	Soil surface CO ₂ 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
198	Effects of soil compaction on N-mineralization and microbial-C and -N. II. Laboratory simulation. <i>Soil and Tillage Research</i> , 1996, 38, 189-202.	2.6	30

#	ARTICLE	IF	CITATIONS
199	Effects of soil compaction on N-mineralization and microbial-C and -N. I. Field measurements. Soil and Tillage Research, 1996, 38, 175-188.	2.6	68
200	Microscale fumigation-extraction and substrate-induced respiration methods for measuring microbial biomass in barley rhizosphere. Plant and Soil, 1994, 162, 151-161.	1.8	19
201	Reducing ammonia loss from cattle slurry by the use of acidifying additives: The role of the buffer system. Journal of the Science of Food and Agriculture, 1991, 57, 335-349.	1.7	96
202	Utilization of Biologically Treated Organic Waste on Land. , 0, , 665-682.		3