Deli Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

214	11,373	30070	36028
papers	citations	54 h-index	97 g-index

216	216	216	9729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modification of naturally abundant resources for remediation of potentially toxic elements: A review. Journal of Hazardous Materials, 2022, 421, 126755.	12.4	32
2	Modified lignite and black coal reduce ammonia volatilization from cattle manure. Journal of Environmental Management, 2022, 301, 113807.	7.8	10
3	Benefits from enhanced-efficiency nitrogen fertilisers in rainfed temperate pastures are seasonally driven. Soil Research, 2022, 60, 147-157.	1.1	3
4	Optimizing spikelet fertilizer input in irrigated rice system can reduce nitrous oxide emission while increase grain yield. Agriculture, Ecosystems and Environment, 2022, 324, 107737.	5.3	11
5	A global synthesis of soil denitrification: Driving factors and mitigation strategies. Agriculture, Ecosystems and Environment, 2022, 327, 107850.	5.3	32
6	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. Critical Reviews in Environmental Science and Technology, 2022, 52, 4308-4324.	12.8	52
7	Assembly of Metalâ€“Phenolic Networks on Waterâ€Soluble Substrates in Nonaqueous Media. Advanced Functional Materials, 2022, 32, .	14.9	10
8	Factors affecting ammonium capture by some Victorian lignites. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	0
9	Costs and benefits of ammonia abatement in Australia. Resources, Conservation and Recycling, 2022, 182, 106318.	10.8	1
10	Mitigating soil greenhouseâ€gas emissions from landâ€use change in tropical peatlands. Frontiers in Ecology and the Environment, 2022, 20, 352-360.	4.0	3
11	Nitrous oxide production pathways in Australian forest soils. Geoderma, 2022, 420, 115871.	5.1	4
12	Effect of lignite amendment on carbon and nitrogen mineralization from raw and composted manure during incubation with soil. Pedosphere, 2022, 32, 785-795.	4.0	4
13	Surface modification of coal tailings by thermal air oxidation for ammonia capture. Journal of Cleaner Production, 2022, 362, 132525.	9.3	4
14	Performance of open-path lasers and Fourier transform infrared spectroscopic systems in agriculture emissions research. Atmospheric Measurement Techniques, 2022, 15, 3593-3610.	3.1	12
15	Lignite addition during anaerobic digestion of ammonium rich swine manure enhances biogas production. Journal of Environmental Chemical Engineering, 2021, 9, 104669.	6.7	20
16	Dissimilatory nitrate ammonification and N2 fixation helps maintain nitrogen nutrition in resource-limited rice paddies. Biology and Fertility of Soils, 2021, 57, 107-115.	4.3	14
17	Adsorbent materials for ammonium and ammonia removal: A review. Journal of Cleaner Production, 2021, 283, 124611.	9.3	129
18	Diversity and dynamics of fungi during spontaneous fermentations and association with unique aroma profiles in wine. International Journal of Food Microbiology, 2021, 338, 108983.	4.7	46

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19	Microplastic pollution alters forest soil microbiome. Journal of Hazardous Materials, 2021, 409, 124606.	12.4	100
20	An empirical analysis of the use of agricultural mobile applications among smallholder farmers in Myanmar. Electronic Journal of Information Systems in Developing Countries, 2021, 87, e12159.	1.4	18
21	Recommended vs. Practice: Smallholder Fertilizer Decisions in Central Myanmar. Agriculture (Switzerland), 2021, 11, 65.	3.1	4
22	Quantitative estimation of carbon dynamics in terrestrial ecosystems using natural variations in the Î13C abundance of soils and biota. Advances in Agronomy, 2021, , 63-104.	5.2	5
23	A Credit System to Solve Agricultural Nitrogen Pollution. Innovation(China), 2021, 2, 100079.	9.1	25
24	New approach for predicting nitrification and its fraction of N₂O emissions in global terrestrial ecosystems. Environmental Research Letters, 2021, 16, 034053.	5.2	16
25	Urbanization can benefit agricultural production with large-scale farming in China. Nature Food, 2021, 2, 183-191.	14.0	152
26	Soil-Food-Environment-Health Nexus for Sustainable Development. Research, 2021, 2021, 9804807.	5.7	15
27	Opportunities to improve nitrogen use efficiency in an intensive vegetable system without compromising yield. Journal of Environmental Quality, 2021, 50, 791-798.	2.0	7
28	Predicting the Ratio of Nitrification to Immobilization to Reflect the Potential Risk of Nitrogen Loss Worldwide. Environmental Science & Technology, 2021, 55, 7721-7730.	10.0	14
29	Niche specialization of comammox Nitrospira clade A in terrestrial ecosystems. Soil Biology and Biochemistry, 2021, 156, 108231.	8.8	25
30	Beef cattle methane emissions measured with tracer-ratio and inverse dispersion modelling techniques. Atmospheric Measurement Techniques, 2021, 14, 3469-3479.	3.1	4
31	The Warming Climate Aggravates Atmospheric Nitrogen Pollution in Australia. Research, 2021, 2021, 9804583.	5.7	9
32	Identifying Potential for Decision Support Tools through Farm Systems Typology Analysis Coupled with WParticipatory Research: A Case for Smallholder Farmers in Myanmar. Agriculture (Switzerland), 2021, 11, 516.	3.1	6
33	Substituted 1,2,3-triazoles: a new class of nitrification inhibitors. Scientific Reports, 2021, 11, 14980.	3.3	13
34	A simple method to determine the sampling numbers in decision-making units with unknown variations of soil cadmium. Environmental Monitoring and Assessment, 2021, 193, 552.	2.7	0
35	Pursuing sustainable nitrogen management following the â€œ5 Psâ€•principles: Production, People, Planet, Policy and Partnerships. Global Environmental Change, 2021, 70, 102346.	7.8	3
36	Effects of fermented organic fertilizer application on soil N2O emission under the vegetable rotation in polyhouse. Environmental Research, 2021, 200, 111491.	7.5	9

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37	Fertilizer overuse in Chinese smallholders due to lack of fixed inputs. Journal of Environmental Management, 2021, 293, 112913.	7.8	73
38	Hotspots of reactive nitrogen loss in China: Production, consumption, spatiotemporal trend and reduction responsibility. Environmental Pollution, 2021, 284, 117126.	7.5	1
39	Uncertainty of nitrogen budget in China. Environmental Pollution, 2021, 286, 117216.	7.5	11
40	Effect of fertilization on nitrogen losses through surface runoffs in Chinese farmlands: A meta-analysis. Science of the Total Environment, 2021, 793, 148554.	8.0	28
41	Human-caused increases in reactive nitrogen burial in sediment of global lakes. Innovation(China), 2021, 2, 100158.	9.1	6
42	Lignite, dewatered lignite and modified subbituminous coal reduce nitrogen loss from broiler litter. Waste Management, 2021, 136, 113-121.	7.4	7
43	Abating ammonia is more cost-effective than nitrogen oxides for mitigating PM _{2.5} air pollution. Science, 2021, 374, 758-762.	12.6	191
44	Elevated CO2 negates O3 impacts on terrestrial carbon and nitrogen cycles. One Earth, 2021, 4, 1752-1763.	6.8	38
45	Dry Climate Aggravates Riverine Nitrogen Pollution in Australia by Water Volume Reduction. Environmental Science & Technology, 2021, 55, 16455-16464.	10.0	1
46	Enhanced efficiency fertilisers reduce nitrous oxide emissions and improve fertiliser 15N recovery in a Southern Australian pasture. Science of the Total Environment, 2020, 699, 134147.	8.0	22
47	Stimulation of heterotrophic nitrification and N2O production, inhibition of autotrophic nitrification in soil by adding readily degradable carbon. Journal of Soils and Sediments, 2020, 20, 81-90.	3.0	15
48	Growth of comammox Nitrospira is inhibited by nitrification inhibitors in agricultural soils. Journal of Soils and Sediments, 2020, 20, 621-628.	3.0	38
49	Manure Application Did Not Enrich Antibiotic Resistance Genes in Root Endophytic Bacterial Microbiota of Cherry Radish Plants. Applied and Environmental Microbiology, 2020, 86, .	3.1	25
50	Simultaneous quantification of N₂, NH₃ and N₂O emissions from a flooded paddy field under different N fertilization regimes. Global Change Biology, 2020, 26, 2292-2303.	9.5	47
51	Tracing the dynamics of animal excreta N in the soil-plant-atmosphere continuum using 15N enrichment. Advances in Agronomy, 2020, , 187-247.	5.2	8
52	Lignite as additives accelerates the removal of antibiotic resistance genes during poultry litter composting. Bioresource Technology, 2020, 315, 123841.	9.6	19
53	Niche differentiation of clade A comammox Nitrospira and canonical ammonia oxidizers in selected forest soils. Soil Biology and Biochemistry, 2020, 149, 107925.	8.8	59
54	Lignite ammonia adsorption and surface chemistry after dewatering. Separation and Purification Technology, 2020, 253, 117483.	7.9	17

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55	The Fungal Microbiome Is an Important Component of Vineyard Ecosystems and Correlates with Regional Distinctiveness of Wine. MSphere, 2020, 5, .	2.9	70
56	Modification of bituminous coal by air oxidation to increase ammonia capture. Journal of Analytical and Applied Pyrolysis, 2020, 151, 104930.	5.5	7
57	Societal benefits of halving agricultural ammonia emissions in China far exceed the abatement costs. Nature Communications, 2020, 11, 4357.	12.8	95
58	Lignite Improved the Quality of Composted Manure and Mitigated Emissions of Ammonia and Greenhouse Gases during Forced Aeration Composting. Sustainability, 2020, 12, 10528.	3.2	10
59	What are the social costs and benefits of lignite application to reduce ammonia emissions in intensive feedlot?. Journal of Environmental Management, 2020, 269, 110821.	7.8	7
60	Enhanced nitrogen retention by lignite during poultry litter composting. Journal of Cleaner Production, 2020, 277, 122422.	9.3	36
61	Gas emissions during cattle manure composting and stockpiling. Journal of Environmental Quality, 2020, 49, 228-235.	2.0	24
62	The amount, but not the proportion, of N2 fixation and transfers to neighboring plants varies across grassland soils. Soil Science and Plant Nutrition, 2020, 66, 481-488.	1.9	2
63	Lignite effects on NH3, N2O, CO2 and CH4 emissions during composting of manure. Journal of Environmental Management, 2020, 271, 110960.	7.8	29
64	Mechanisms behind soil N dynamics following cover restoration in degraded land in subtropical China. Journal of Soils and Sediments, 2020, 20, 1897-1905.	3.0	5
65	The Contribution and Mitigation Potential of Reactive Nitrogen Emissions from Industrial Parks in China Cannot Be Ignored. Environmental Science and Technology Letters, 2020, 7, 82-88.	8.7	4
66	Effect of long term fertilization management strategies on methane emissions and rice yield. Science of the Total Environment, 2020, 725, 138261.	8.0	15
67	From generation to treatment: A systematic reactive nitrogen flow assessment of solid waste in China. Journal of Cleaner Production, 2020, 259, 121127.	9.3	7
68	Plastic pollution in croplands threatens longâ€term food security. Global Change Biology, 2020, 26, 3356-3367.	9.5	177
69	Optimizing nitrogen fertilization rate to enhance soil carbon storage and decrease nitrogen pollution in paddy ecosystems with simultaneous straw incorporation. Agriculture, Ecosystems and Environment, 2020, 298, 106968.	5.3	32
70	Assessment of nitrogen hotspots induced by cropping systems in the Bohai Rim region in China by integrating DNDC modelling and the reactive nitrogen spatial intensity (NrSI) framework. Environmental Research Letters, 2020, 15, 105008.	5.2	4
71	Comammox Nitrospira play an active role in nitrification of agricultural soils amended with nitrogen fertilizers. Soil Biology and Biochemistry, 2019, 138, 107609.	8.8	143
72	From the Vineyard to the Winery: How Microbial Ecology Drives Regional Distinctiveness of Wine. Frontiers in Microbiology, 2019, 10, 2679.	3.5	99

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73	Influence of chlorothalonil and carbendazim fungicides on the transformation processes of urea nitrogen and related microbial populations in soil. Environmental Science and Pollution Research, 2019, 26, 31133-31141.	5.3	9
74	Four steps to food security for swelling cities. Nature, 2019, 566, 31-33.	27.8	89
75	An overview of contemporary advances in the usage of 15N natural abundance (Î´15N) as a tracer of agro-ecosystem N cycle processes that impact the environment. Agriculture, Ecosystems and Environment, 2019, 283, 106570.	5.3	23
76	Transfer of antibiotic resistance from manure-amended soils to vegetable microbiomes. Environment International, 2019, 130, 104912.	10.0	278
77	Decreasing ammonia loss from an Australian pasture with the use of enhanced efficiency fertilizers. Agriculture, Ecosystems and Environment, 2019, 283, 106553.	5.3	16
78	Salinity as a predominant factor modulating the distribution patterns of antibiotic resistance genes in ocean and river beach soils. Science of the Total Environment, 2019, 668, 193-203.	8.0	54
79	Comparison of slant open-path flux gradient and static closed chamber techniques to measure soil N₂O emissions. Atmospheric Measurement Techniques, 2019, 12, 1095-1102.	3.1	9
80	Toward a Generic Analytical Framework for Sustainable Nitrogen Management: Application for China. Environmental Science & Technology, 2019, 53, 1109-1118.	10.0	27
81	Dissimilatory nitrate reduction to ammonium dominates nitrate reduction in long-term low nitrogen fertilized rice paddies. Soil Biology and Biochemistry, 2019, 131, 149-156.	8.8	64
82	Residue decomposition and soil carbon priming in three contrasting soils previously exposed to elevated CO2. Biology and Fertility of Soils, 2019, 55, 17-29.	4.3	10
83	Biogas Improvement by Adding Australian Zeolite During the Anaerobic Digestion of C:N Ratio Adjusted Swine Manure. Waste and Biomass Valorization, 2019, 10, 1883-1887.	3.4	18
84	An overview of microplastic and nanoplastic pollution in agroecosystems. Science of the Total Environment, 2018, 627, 1377-1388.	8.0	846
85	Nitrogen transformation rates and N2O producing pathways in two pasture soils. Journal of Soils and Sediments, 2018, 18, 2970-2979.	3.0	2
86	Effect of Australian zeolite on methane production and ammonium removal during anaerobic digestion of swine manure. Journal of Environmental Chemical Engineering, 2018, 6, 1233-1241.	6.7	29
87	Spatial variations in soil and plant nitrogen levels caused by ammonia deposition near a cattle feedlot. Atmospheric Environment, 2018, 176, 120-127.	4.1	10
88	Cleaning up nitrogen pollution may reduce future carbon sinks. Global Environmental Change, 2018, 48, 56-66.	7.8	33
89	Gaseous emissions from an intensive vegetable farm measured with slant-path FTIR technique. Agricultural and Forest Meteorology, 2018, 258, 50-55.	4.8	15
90	A critique of the paper â€˜Soil carbon 4 per milleâ€™ by Minasny et al. (2017). Geoderma, 2018, 309, 115-117.	5.1	36

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91	Direct and indirect greenhouse gas emissions from two intensive vegetable farms applied with a nitrification inhibitor. Soil Biology and Biochemistry, 2018, 116, 48-51.	8.8	37
92	Removal of excess nutrients by Australian zeolite during anaerobic digestion of swine manure. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 362-372.	1.7	9
93	Ozone Pollution Increases CO₂ and N₂O Emissions in Ozoneâ€sensitive Wheat System. Agronomy Journal, 2018, 110, 496-502.	1.8	5
94	Urban biochar improves nitrogen and phosphorus availability in growing media. Soil Research, 2018, 56, 675.	1.1	1
95	Tradeâ€offs between soil carbon sequestration and reactive nitrogen losses under straw return in global agroecosystems. Global Change Biology, 2018, 24, 5919-5932.	9.5	273
96	Applicability of Eddy Covariance to Estimate Methane Emissions from Grazing Cattle. Journal of Environmental Quality, 2018, 47, 54-61.	2.0	9
97	The effectiveness of nitrification inhibitor application on grain yield and quality, fertiliser nitrogen recovery and soil nitrous oxide emissions in a legumeâ€“wheat rotation under elevated carbon dioxide (FACE). Soil Research, 2018, 56, 145.	1.1	0
98	Nitrogen Addition Decreases Dissimilatory Nitrate Reduction to Ammonium in Rice Paddies. Applied and Environmental Microbiology, 2018, 84, .	3.1	39
99	Reactive nitrogen spatial intensity (NrSI): A new indicator for environmental sustainability. Global Environmental Change, 2018, 52, 101-107.	7.8	25
100	Developing an anaerobic digester with external Zeolite filled column for enhancing methane production from swine manure â€“ A feasibility study. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 751-760.	1.5	4
101	Using urease and nitrification inhibitors to decrease ammonia and nitrous oxide emissions and improve productivity in a subtropical pasture. Science of the Total Environment, 2018, 644, 1531-1535.	8.0	48
102	Effects of nitrification inhibitors on gross N nitrification rate, ammonia oxidizers, and N2O production under different temperatures in two pasture soils. Environmental Science and Pollution Research, 2018, 25, 28344-28354.	5.3	20
103	The nitrogen footprint for an Australian university: Institutional change for corporate sustainability. Journal of Cleaner Production, 2018, 197, 534-541.	9.3	14
104	Policy distortions, farm size, and the overuse of agricultural chemicals in China. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7010-7015.	7.1	455
105	Using nitrification inhibitors to mitigate agricultural N₂O emission: a doubleâ€edged sword?. Global Change Biology, 2017, 23, 485-489.	9.5	180
106	Evaluating an eddy covariance technique to estimate point-source emissions and its potential application to grazing cattle. Agricultural and Forest Meteorology, 2017, 234-235, 164-171.	4.8	18
107	Effects of the nitrification inhibitor acetylene on nitrous oxide emissions and ammonia-oxidizing microorganisms of different agricultural soils under laboratory incubation conditions. Applied Soil Ecology, 2017, 119, 80-90.	4.3	22
108	How Does Recycling of Livestock Manure in Agroecosystems Affect Crop Productivity, Reactive Nitrogen Losses, and Soil Carbon Balance?. Environmental Science & Technology, 2017, 51, 7450-7457.	10.0	297

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109	A short-term study of wheat grain protein response to post-anthesis foliar nitrogen application under elevated CO 2 and supplementary irrigation. Journal of Cereal Science, 2017, 75, 135-137.	3.7	2
110	15N2 as a tracer of biological N2 fixation: A 75-year retrospective. Soil Biology and Biochemistry, 2017, 106, 36-50.	8.8	36
111	The effect of temperature and moisture on the source of N2O and contributions from ammonia oxidizers in an agricultural soil. Biology and Fertility of Soils, 2017, 53, 141-152.	4.3	69
112	Long-Term Nickel Contamination Increases the Occurrence of Antibiotic Resistance Genes in Agricultural Soils. Environmental Science & Technology, 2017, 51, 790-800.	10.0	240
113	Temporal succession of soil antibiotic resistance genes following application of swine, cattle and poultry manures spiked with or without antibiotics. Environmental Pollution, 2017, 231, 1621-1632.	7.5	166
114	Gaseous losses of fertilizer nitrogen from a citrus orchard in the red soil hilly region of Southeast China. Soil Science and Plant Nutrition, 2017, 63, 419-425.	1.9	9
115	Comparing emissions from a cattle pen as measured by two micrometeorological techniques. Environmental Pollution, 2017, 230, 584-588.	7.5	7
116	Nitrifierâ€induced denitrification is an important source of soil nitrous oxide and can be inhibited by a nitrification inhibitor 3,4â€dimethylpyrazole phosphate. Environmental Microbiology, 2017, 19, 4851-4865.	3.8	75
117	Can knowledgeâ€based N management produce more staple grain with lower greenhouse gas emission and reactive nitrogen pollution? A metaâ€analysis. Global Change Biology, 2017, 23, 1917-1925.	9.5	320
118	Nitrogen footprints: Regional realities and options to reduce nitrogen loss to the environment. Ambio, 2017, 46, 129-142.	5.5	102
119	Nitrification Is a Primary Driver of Nitrous Oxide Production in Laboratory Microcosms from Different Land-Use Soils. Frontiers in Microbiology, 2016, 7, 1373.	3.5	62
120	Non-interference measurement of CH4, N2O and NH3 emissions from cattle. Animal Production Science, 2016, 56, 1496.	1.3	4
121	Fieldâ€based evidence for copper contamination induced changes of antibiotic resistance in agricultural soils. Environmental Microbiology, 2016, 18, 3896-3909.	3.8	216
122	Ammonia deposition in the neighbourhood of an intensive cattle feedlot in Victoria, Australia. Scientific Reports, 2016, 6, 32793.	3.3	30
123	Long-term effects of elevated CO2 on carbon and nitrogen functional capacity of microbial communities in three contrasting soils. Soil Biology and Biochemistry, 2016, 97, 157-167.	8.8	65
124	Effects of lignite application on ammonia and nitrous oxide emissions from cattle pens. Science of the Total Environment, 2016, 565, 148-154.	8.0	44
125	Using airborne technology to quantify and apportion emissions of CH4 and NH3 from feedlots. Animal Production Science, 2016, 56, 190.	1.3	24
126	Elevated CO2 induced rhizosphere effects on the decomposition and N recovery from crop residues. Plant and Soil, 2016, 408, 55-71.	3.7	7

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127	15N methodologies for quantifying the response of N2-fixing associations to elevated [CO2]: A review. Science of the Total Environment, 2016, 571, 624-632.	8.0	11
128	Ammonia volatilization from synthetic fertilizers and its mitigation strategies: A global synthesis. Agriculture, Ecosystems and Environment, 2016, 232, 283-289.	5.3	383
129	Effects of 3,4-dimethylpyrazole phosphate (DMPP) on nitrification and the abundance and community composition of soil ammonia oxidizers in three land uses. Biology and Fertility of Soils, 2016, 52, 927-939.	4.3	56
130	Beef and coal are key drivers of Australiaâ€™s high nitrogen footprint. Scientific Reports, 2016, 6, 39644.	3.3	51
131	Ammonium removal from high-strength aqueous solutions by Australian zeolite. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1-12.	1.7	8
132	Effects of the Nitrification Inhibitor 3,4-Dimethylpyrazole Phosphate on Nitrification and Nitrifiers in Two Contrasting Agricultural Soils. Applied and Environmental Microbiology, 2016, 82, 5236-5248.	3.1	90
133	An examination of physical and chemical properties of urban biochar for use as growing media substrate. Biomass and Bioenergy, 2016, 84, 49-58.	5.7	44
134	Impacts of reclaimed water irrigation on soil antibiotic resistome in urban parks of Victoria, Australia. Environmental Pollution, 2016, 211, 48-57.	7.5	78
135	Temporal changes of antibiotic-resistance genes and bacterial communities in two contrasting soils treated with cattle manure. FEMS Microbiology Ecology, 2016, 92, fiv169.	2.7	108
136	Free-air CO₂enrichment (FACE) reduces the inhibitory effect of soil nitrate on N₂fixation ofPisum sativum. Annals of Botany, 2016, 117, 177-185.	2.9	30
137	Correlations of methane and carbon dioxide concentrations from feedlot cattle as a predictor of methane emissions. Animal Production Science, 2016, 56, 108.	1.3	7
138	A Snapshot of Greenhouse Gas Emissions from a Cattle Feedlot. Journal of Environmental Quality, 2015, 44, 1974-1978.	2.0	31
139	A new cost-effective method to mitigate ammonia loss from intensive cattle feedlots: application of lignite. Scientific Reports, 2015, 5, 16689.	3.3	38
140	Simulation of Nitrous Oxide Emission and Mineralized Nitrogen under Different Straw Retention Conditions Using a Denitrificationâ€“Decomposition Model. Clean - Soil, Air, Water, 2015, 43, 577-583.	1.1	17
141	Evaluating Dispersion Modeling Options to Estimate Methane Emissions from Grazing Beef Cattle. Journal of Environmental Quality, 2015, 44, 97-102.	2.0	13
142	The large-scale distribution of ammonia oxidizers in paddy soils is driven by soil pH, geographic distance, and climatic factors. Frontiers in Microbiology, 2015, 6, 938.	3.5	70
143	Productivity and water use of grazed subsurface drip irrigated perennial pasture in Australia. Irrigation Science, 2015, 33, 141-152.	2.8	5
144	The effect of nitrification inhibitors in reducing nitrification and the ammonia oxidizer population in three contrasting soils. Journal of Soils and Sediments, 2015, 15, 1113-1118.	3.0	53

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145	Measurement and mitigation of nitrous oxide emissions from a high nitrogen input vegetable system. Scientific Reports, 2015, 5, 8208.	3.3	16
146	¹³C isotopic fractionation during biodegradation of agricultural wastes. Isotopes in Environmental and Health Studies, 2015, 51, 201-213.	1.0	4
147	Microbial regulation of terrestrial nitrous oxide formation: understanding the biological pathways for prediction of emission rates. FEMS Microbiology Reviews, 2015, 39, 729-749.	8.6	530
148	Carbon and nitrogen partitioning of wheat and field pea grown with two nitrogen levels under elevated CO2. Plant and Soil, 2015, 391, 367-382.	3.7	71
149	Pyrolysis of urban waste streams: Their potential use as horticultural media. Journal of Analytical and Applied Pyrolysis, 2015, 112, 105-112.	5.5	28
150	On the usage of absolute (x) and relative (Î') values of 15N abundance. Soil Biology and Biochemistry, 2015, 85, 51-53.	8.8	22
151	Fate and efficiency of 15N-labelled slow- and controlled-release fertilizers. Nutrient Cycling in Agroecosystems, 2015, 102, 167-178.	2.2	57
152	The fate of urea nitrogen applied to a vegetable crop rotation system. Nutrient Cycling in Agroecosystems, 2015, 103, 279-292.	2.2	7
153	Nitrate production is mainly heterotrophic in an acid dairy soil with high organic content in Australia. Biology and Fertility of Soils, 2015, 51, 891-896.	4.3	19
154	Influence of temperature and moisture on the relative contributions of heterotrophic and autotrophic nitrification to gross nitrification in an acid cropping soil. Journal of Soils and Sediments, 2015, 15, 2304-2309.	3.0	44
155	Measuring greenhouse gas emissions from agriculture using QCL and FTIR spectroscopy techniques. , 2014, , .		0
156	Analysis of factors controlling soil N2O emission by principal component and path analysis method. Environmental Earth Sciences, 2014, 72, 1511-1517.	2.7	13
157	Increased microbial activity under elevated [CO2] does not enhance residue decomposition in a semi-arid cropping system in Australia. Soil Biology and Biochemistry, 2014, 72, 97-99.	8.8	7
158	Fertilizer nitrogen recovery efficiencies in crop production systems of China with and without consideration of the residual effect of nitrogen. Environmental Research Letters, 2014, 9, 095002.	5.2	115
159	Data filtering for inverse dispersion emission calculations. Agricultural and Forest Meteorology, 2014, 198-199, 1-6.	4.8	30
160	Methodologies for estimating nitrogen transfer between legumes and companion species in agro-ecosystems: A review of 15N-enriched techniques. Soil Biology and Biochemistry, 2014, 73, 10-21.	8.8	87
161	Use of open-path FTIR and inverse dispersion technique to quantify gaseous nitrogen loss from an intensive vegetable production site. Atmospheric Environment, 2014, 94, 687-691.	4.1	19
162	Mathematical modeling for improved greenhouse gas balances, agroâ€ecosystems, and policy development: lessons from the Australian experience. Wiley Interdisciplinary Reviews: Climate Change, 2014, 5, 735-752.	8.1	19

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163	Gaseous Nitrogen Emissions from Australian Cattle Feedlots. , 2014, , 23-29.		3
164	Crop residue incorporation negates the positive effect of elevated atmospheric carbon dioxide concentration on wheat productivity and fertilizer nitrogen recovery. Plant and Soil, 2013, 366, 551-561.	3.7	7
165	The effect of elevated atmospheric carbon dioxide concentration on the contribution of residual legume and fertilizer nitrogen to a subsequent wheat crop. Plant and Soil, 2013, 364, 81-91.	3.7	14
166	Influence of urea fertiliser formulation, urease inhibitor and season on ammonia loss from ryegrass. Nutrient Cycling in Agroecosystems, 2013, 95, 175-185.	2.2	47
167	The potential for carbon sequestration in Australian agricultural soils is technically and economically limited. Scientific Reports, 2013, 3, 2179.	3.3	83
168	Application of the Denitrification-Decomposition Model to Predict Carbon Dioxide Emissions under Alternative Straw Retention Methods. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	4
169	Accuracy Assessment of Sequential Indicator Simulation in Three-dimensional Prediction of Soil Texture. Soil Science, 2012, 177, 355-359.	0.9	0
170	Does phosphorus stimulate the effect of elevated [CO2] on growth and symbiotic nitrogen fixation of grain and pasture legumes?. Crop and Pasture Science, 2012, 63, 53.	1.5	32
171	Simulating response of N₂O emissions to fertiliser N application and climatic variability from a rainâ€fed and wheatâ€cropped soil in Western Australia. Journal of the Science of Food and Agriculture, 2012, 92, 1130-1143.	3.5	22
172	Effect of elevated carbon dioxide on growth and nitrogen fixation of two soybean cultivars in northern China. Biology and Fertility of Soils, 2012, 48, 603-606.	4.3	32
173	Does elevated atmospheric carbon dioxide concentration increase wheat nitrogen demand and recovery of nitrogen applied at stem elongation?. Agriculture, Ecosystems and Environment, 2012, 155, 142-146.	5.3	18
174	Nitrogen dynamics in grain crop and legume pasture systems under elevated atmospheric carbon dioxide concentration: A metaâ€analysis. Global Change Biology, 2012, 18, 2853-2859.	9.5	101
175	Nitrogen demand and the recovery of 15N-labelled fertilizer in wheat grown under elevated carbon dioxide in southern Australia. Nutrient Cycling in Agroecosystems, 2012, 92, 133-144.	2.2	30
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