Lukas Van Zwieten

List of Publications by Year
in descending order

163	15,929	28274	18130
papers	citations	55 h-index	120 g-index

166	166	166	13603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A communal catalogue reveals Earthâ€™s multiscale microbial diversity. Nature, 2017, 551, 457-463.	27.8	1,942
2	Agronomic values of greenwaste biochar as a soil amendment. Soil Research, 2007, 45, 629.	1.1	1,404
3	Effects of biochar from slow pyrolysis of papermill waste on agronomic performance and soil fertility. Plant and Soil, 2010, 327, 235-246.	3.7	1,376
4	An investigation into the reactions of biochar in soil. Soil Research, 2010, 48, 501.	1.1	840
5	Using poultry litter biochars as soil amendments. Soil Research, 2008, 46, 437.	1.1	814
6	Biochar's role in mitigating soil nitrous oxide emissions: A review and meta-analysis. Agriculture, Ecosystems and Environment, 2014, 191, 5-16.	5.3	746
7	Biochar Application to Soil. Advances in Agronomy, 2011, , 103-143.	5.2	450
8	Impact of agricultural inputs on soil organismsâ€”a review. Soil Research, 2006, 44, 379.	1.1	374
9	Influence of biochars on flux of N2O and CO2 from Ferrosol. Soil Research, 2010, 48, 555.	1.1	337
10	How biochar works, and when it doesn't: A review of mechanisms controlling soil and plant responses to biochar. GCB Bioenergy, 2021, 13, 1731-1764.	5.6	286
11	A concise review of biochar application to agricultural soils to improve soil conditions and fight pollution. Journal of Environmental Management, 2018, 228, 429-440.	7.8	250
12	Multifunctional applications of biochar beyond carbon storage. International Materials Reviews, 2022, 67, 150-200.	19.3	245
13	Biochar built soil carbon over a decade by stabilizing rhizodeposits. Nature Climate Change, 2017, 7, 371-376.	18.8	232
14	Nanoscale organo-mineral reactions of biochars in ferrosol: an investigation using microscopy. Plant and Soil, 2012, 357, 369-380.	3.7	209
15	Marked changes in herbicide sorptionâ€“desorption upon ageing of biochars in soil. Journal of Hazardous Materials, 2012, 231-232, 70-78.	12.4	200
16	Effect of biochar amendment on the soil-atmosphere exchange of greenhouse gases from an intensive subtropical pasture in northern New South Wales, Australia. Plant and Soil, 2011, 345, 47-58.	3.7	193
17	Comparative analysis of the microbial communities in agricultural soil amended with enhanced biochars or traditional fertilisers. Agriculture, Ecosystems and Environment, 2014, 191, 73-82.	5.3	171
18	An incubation study investigating the mechanisms that impact N2O flux from soil following biochar application. Agriculture, Ecosystems and Environment, 2014, 191, 53-62.	5.3	170

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19	A glasshouse study on the interaction of low mineral ash biochar with nitrogen in a sandy soil. Soil Research, 2010, 48, 569.	1.1	167
20	The molar H:Corg ratio of biochar is a key factor in mitigating N2O emissions from soil. Agriculture, Ecosystems and Environment, 2015, 202, 135-138.	5.3	164
21	Biochar lowers ammonia emission and improves nitrogen retention in poultry litter composting. Waste Management, 2017, 61, 129-137.	7.4	155
22	Changes in microbial biomass and the metabolic quotient with biochar addition to agricultural soils: A Meta-analysis. Agriculture, Ecosystems and Environment, 2017, 239, 80-89.	5.3	143
23	Wood biochar increases nitrogen retention in field settings mainly through abiotic processes. Soil Biology and Biochemistry, 2015, 90, 232-240.	8.8	123
24	The Electrochemical Properties of Biochars and How They Affect Soil Redox Properties and Processes. Agronomy, 2015, 5, 322-340.	3.0	122
25	Contrasting effects of manure and green waste biochars on the properties of an acidic ferralsol and productivity of a subtropical pasture. Plant and Soil, 2013, 366, 213-227.	3.7	121
26	Impact of glyphosate on soil microbial biomass and respiration: A meta-analysis. Soil Biology and Biochemistry, 2016, 92, 50-57.	8.8	119
27	Biochar increases nitrogen retention and lowers greenhouse gas emissions when added to composting poultry litter. Waste Management, 2017, 61, 138-149.	7.4	119
28	Carbon-nitrogen isotope coupling of soil organic matter in a karst region under land use change, Southwest China. Agriculture, Ecosystems and Environment, 2020, 301, 107027.	5.3	108
29	The effects of short term, long term and reapplication of biochar on soil bacteria. Science of the Total Environment, 2018, 636, 142-151.	8.0	105
30	Plant growth responses to biochar addition: an Australian soils perspective. Biology and Fertility of Soils, 2014, 50, 1035-1045.	4.3	102
31	Impact of Herbicides on Soil Biology and Function. Advances in Agronomy, 2016, , 133-220.	5.2	98
32	Enhanced biological N2 fixation and yield of faba bean (Vicia faba L.) in an acid soil following biochar addition: dissection of causal mechanisms. Plant and Soil, 2015, 395, 7-20.	3.7	97
33	Influence of copper fungicide residues on occurrence of earthworms in avocado orchard soils. Science of the Total Environment, 2004, 329, 29-41.	8.0	96
34	Is current biochar research addressing global soil constraints for sustainable agriculture?. Agriculture, Ecosystems and Environment, 2016, 226, 25-32.	5.3	96
35	Oil mallee biochar improves soil structural propertiesâ€"A study with x-ray micro-CT. Agriculture, Ecosystems and Environment, 2014, 191, 142-149.	5.3	94
36	Designing advanced biochar products for maximizing greenhouse gas mitigation potential. Critical Reviews in Environmental Science and Technology, 2016, 46, 1367-1401.	12.8	86

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37	Nanoscale analyses of the surface structure and composition of biochars extracted from field trials or after co-composting using advanced analytical electron microscopy. Geoderma, 2017, 294, 70-79.	5.1	84
38	A re-evaluation of the agronomic effectiveness of the nitrification inhibitors DCD and DMPP and the urease inhibitor NBPT. Agriculture, Ecosystems and Environment, 2018, 252, 69-73.	5.3	81
39	Biochar-based fertilizer: Supercharging root membrane potential and biomass yield of rice. Science of the Total Environment, 2020, 713, 136431.	8.0	78
40	Phytoremediation of an arsenic-contaminated site using Pteris vittata L. and Pityrogramma calomelanos var. austroamericana: a long-term study. Environmental Science and Pollution Research, 2012, 19, 3506-3515.	5.3	76
41	Terra Preta Australis: Reassessing the carbon storage capacity of temperate soils. Agriculture, Ecosystems and Environment, 2011, 140, 137-147.	5.3	75
42	Plant-biochar interactions drive the negative priming of soil organic carbon in an annual ryegrass field system. Soil Biology and Biochemistry, 2015, 90, 111-121.	8.8	75
43	Combined effects of biochar and fertilizer applications on yield: A review and meta-analysis. Science of the Total Environment, 2022, 808, 152073.	8.0	75
44	Feeding Biochar to Cows: An Innovative Solution for Improving Soil Fertility and Farm Productivity. Pedosphere, 2015, 25, 666-679.	4.0	74
45	Rusty sink of rhizodeposits and associated keystone microbiomes. Soil Biology and Biochemistry, 2020, 147, 107840.	8.8	73
46	A meta-analysis and critical evaluation of influencing factors on soil carbon priming following biochar amendment. Journal of Soils and Sediments, 2018, 18, 1507-1517.	3.0	70
47	Effects of 4-nonylphenol and 17Î±-ethynylestradiol exposure in the Sydney rock oyster, Saccostrea glomerata: Vitellogenin induction and gonadal development. Aquatic Toxicology, 2008, 88, 39-47.	4.0	68
48	The potential impact of long-term copper fungicide usage on soil microbial biomass and microbial activity in an avocado orchard. Soil Research, 2002, 40, 749.	1.1	63
49	Spartina alterniflora invasion controls organic carbon stocks in coastal marsh and mangrove soils across tropics and subtropics. Global Change Biology, 2021, 27, 1627-1644.	9.5	62
50	Chemical and structural analysis of enhanced biochars: Thermally treated mixtures of biochar, chicken litter, clay and minerals. Chemosphere, 2013, 91, 35-40.	8.2	61
51	Lowering N2O emissions from soils using eucalypt biochar: the importance of redox reactions. Scientific Reports, 2015, 5, 16773.	3.3	61
52	Soil and foliar nutrient and nitrogen isotope composition (Î´15N) at 5Âyears after poultry litter and green waste biochar amendment in a macadamia orchard. Environmental Science and Pollution Research, 2015, 22, 3803-3809.	5.3	60
53	Influence of arsenic co-contamination on DDT breakdown and microbial activity. Environmental Pollution, 2003, 124, 331-339.	7.5	58
54	Developing More Effective Enhanced Biochar Fertilisers for Improvement of Pepper Yield and Quality. Pedosphere, 2015, 25, 703-712.	4.0	58

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55	An effective biochar-based slow-release fertilizer for reducing nitrogen loss in paddy fields. Journal of Soils and Sediments, 2020, 20, 3027-3040.	3.0	58
56	Pyrolysing poultry litter reduces N2O and CO2 fluxes. Science of the Total Environment, 2013, 465, 279-287.	8.0	57
57	Retention capacity of biochar-amended New Zealand dairy farm soil for an estrogenic steroid hormone and its primary metabolite. Soil Research, 2010, 48, 648.	1.1	55
58	Nutrient stoichiometry and labile carbon content of organic amendments control microbial biomass and carbon-use efficiency in a poorly structured sodic-subsoil. Biology and Fertility of Soils, 2020, 56, 219-233.	4.3	52
59	Towards a better understanding of the role of Fe cycling in soil for carbon stabilization and degradation. , 2022, 1, .		51
60	Opportunities and constraints for biochar technology in Australian agriculture: looking beyond carbon sequestration. Soil Research, 2014, 52, 739.	1.1	49
61	Nitrification (DMPP) and urease (NBPT) inhibitors had no effect on pasture yield, nitrous oxide emissions, or nitrate leaching under irrigation in a hot-dry climate. Soil Research, 2016, 54, 675.	1.1	49
62	Priming, stabilization and temperature sensitivity of native SOC is controlled by microbial responses and physicochemical properties of biochar. Soil Biology and Biochemistry, 2021, 154, 108139.	8.8	48
63	Biochar as a Geoengineering Climate Solution: Hazard Identification and Risk Management. Critical Reviews in Environmental Science and Technology, 2012, 42, 225-250.	12.8	47
64	Phytolith accumulation in broadleaf and conifer forests of northern China: Implications for phytolith carbon sequestration. Geoderma, 2018, 312, 36-44.	5.1	47
65	Biochar increases soil organic carbon, avocado yields and economic return over 4Âyears of cultivation. Science of the Total Environment, 2020, 724, 138153.	8.0	46
66	A critical review of biochar-based nitrogen fertilizers and their effects on crop production and the environment. Biochar, 2022, 4, .	12.6	46
67	Sugarcane bagasse biochars impact respiration and greenhouse gas emissions from a latosol. Journal of Soils and Sediments, 2017, 17, 632-640.	3.0	45
68	In Situ Persistence and Migration of Biochar Carbon and Its Impact on Native Carbon Emission in Contrasting Soils under Managed Temperate Pastures. PLoS ONE, 2015, 10, e0141560.	2.5	45
69	Temperature sensitivity and priming of organic matter with different stabilities in a Vertisol with aged biochar. Soil Biology and Biochemistry, 2017, 115, 346-356.	8.8	44
70	The characteristics of rhizosphere microbes associated with plants in arsenic-contaminated soils from cattle dip sites. Science of the Total Environment, 2007, 378, 331-342.	8.0	43
71	A Critical Review of Methods for Analyzing Freshwater Eutrophication. Water (Switzerland), 2021, 13, 225.	2.7	42
72	Impacts of management on soil biota in Vertosols supporting the broadacre grains industry in northern Australia. Soil Research, 2006, 44, 433.	1.1	39

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73	Short-term effects of organo-mineral biochar and organic fertilisers on nitrogen cycling, plant photosynthesis, and nitrogen use efficiency. Journal of Soils and Sediments, 2017, 17, 2763-2774.	3.0	39
74	Crop-season and residual effects of sequentially applied mineral enhanced biochar and N fertiliser on crop yield, soil chemistry and microbial communities. Agriculture, Ecosystems and Environment, 2018, 255, 52-61.	5.3	36
75	Soil Microbial Community Structure Shifts Induced by Biochar and Biocharâ€Based Fertilizer Amendment to Karst Calcareous Soil. Soil Science Society of America Journal, 2019, 83, 398-408.	2.2	36
76	Abiotic and biotic regulation on carbon mineralization and stabilization in paddy soils along iron oxide gradients. Soil Biology and Biochemistry, 2021, 160, 108312.	8.8	36
77	Biochar carbon dynamics in physically separated fractions and microbial use efficiency in contrasting soils under temperate pastures. Soil Biology and Biochemistry, 2018, 116, 399-409.	8.8	35
78	Probing the nature of soil organic matter. Critical Reviews in Environmental Science and Technology, 2022, 52, 4072-4093.	12.8	35
79	Phytolith-rich straw application and groundwater table management over 36Âyears affect the soil-plant silicon cycle of a paddy field. Plant and Soil, 2020, 454, 343-358.	3.7	34
80	Subsoil application of compost improved sugarcane yield through enhanced supply and cycling of soil labile organic carbon and nitrogen in an acidic soil at tropical Australia. Soil and Tillage Research, 2018, 180, 73-81.	5.6	33
81	Priming of soil organic carbon induced by sugarcane residues and its biochar control the source of nitrogen for plant uptake: A dual 13C and 15N isotope three-source-partitioning study. Soil Biology and Biochemistry, 2020, 146, 107792.	8.8	31
82	Arbuscular mycorrhizal fungi and goethite promote carbon sequestration via hyphal-aggregate mineral interactions. Soil Biology and Biochemistry, 2021, 162, 108417.	8.8	31
83	Sorption of Pb(II) onto biochar is enhanced through co-sorption of dissolved organic matter. Science of the Total Environment, 2022, 825, 153686.	8.0	30
84	Faba bean is less susceptible to fertiliser N impacts on biological N2 fixation than chickpea in monoculture and intercropping systems. Biology and Fertility of Soils, 2016, 52, 271-276.	4.3	29
85	The interactive effects of dolomite application and straw incorporation on soil N₂O emissions. European Journal of Soil Science, 2018, 69, 502-511.	3.9	29
86	Estrogen mediated effects in the Sydney rock oyster, Saccostrea glomerata, following field exposures to sewage effluent containing estrogenic compounds and activity. Aquatic Toxicology, 2012, 120-121, 99-108.	4.0	28
87	Wheat straw biochar application increases ammonia volatilization from an urban compacted soil giving a short-term reduction in fertilizer nitrogen use efficiency. Journal of Soils and Sediments, 2019, 19, 1624-1631.	3.0	28
88	Soil type regulates carbon and nitrogen stoichiometry and mineralization following biochar or nitrogen addition. Science of the Total Environment, 2021, 753, 141645.	8.0	28
89	Phytoremediation Potential ofPityrogramma CalomelanosVar.AustroamericanaandPteris VittataL. Grown at a Highly Variable Arsenic Contaminated Site. International Journal of Phytoremediation, 2011, 13, 912-932.	3.1	26
90	The long-term role of organic amendments in addressing soil constraints to production. Nutrient Cycling in Agroecosystems, 2018, 111, 99-102.	2.2	26

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91	Short-term biochar manipulation of microbial nitrogen transformation in wheat rhizosphere of a metal contaminated Inceptisol from North China plain. Science of the Total Environment, 2018, 640-641, 1287-1296.	8.0	26
92	Balanced nutrient stoichiometry of organic amendments enhances carbon priming in a poorly structured sodic subsoil. Soil Biology and Biochemistry, 2020, 145, 107800.	8.8	26
93	The accumulation of phytolith-occluded carbon in soils of different grasslands. Journal of Soils and Sediments, 2017, 17, 2420-2427.	3.0	25
94	Soil organic matter formation is controlled by the chemistry and bioavailability of organic carbon inputs across different land uses. Science of the Total Environment, 2021, 770, 145307.	8.0	25
95	Rapid Degradation of Atrazine by Rhodococcus sp. NI86/21 and by an Atrazine-Perfused Soil. Journal of Agricultural and Food Chemistry, 1995, 43, 1377-1382.	5.2	24
96	Utilization of Biochar in Sugarcane and Sugar-Industry Management. Sugar Tech, 2012, 14, 321-326.	1.8	23
97	The accumulation of rhizodeposits in organo-mineral fractions promoted biochar-induced negative priming of native soil organic carbon in Ferralsol. Soil Biology and Biochemistry, 2018, 118, 91-96.	8.8	23
98	Phosphorus speciation and bioavailability in diverse biochars. Plant and Soil, 2019, 443, 233-244.	3.7	22
99	Biochar-based fertilizer decreased while chemical fertilizer increased soil N2O emissions in a subtropical Moso bamboo plantation. Catena, 2021, 202, 105257.	5.0	22
100	Biochar accelerates soil organic carbon mineralization via rhizodeposit-activated Actinobacteria. Biology and Fertility of Soils, 2022, 58, 565-577.	4.3	22
101	No evidence for higher agronomic N use efficiency or lower nitrous oxide emissions from enhanced efficiency fertilisers in aerobic subtropical rice. Field Crops Research, 2018, 225, 47-54.	5.1	21
102	Is sustainability certification for biochar the answer to environmental risks?. Pesquisa Agropecuaria Brasileira, 2012, 47, 637-648.	0.9	20
103	Improving the statistical preparation for measuring soil N2O flux by closed chamber. Science of the Total Environment, 2013, 465, 166-172.	8.0	20
104	The stoichiometric C-Fe ratio regulates glucose mineralization and stabilization via microbial processes. Geoderma, 2021, 383, 114769.	5.1	20
105	Atrazine degradation by encapsulated Rhodococcus erythropolis NI86/21. Journal of Applied Microbiology, 2005, 99, 767-775.	3.1	19
106	Silicon accumulation controls carbon cycle in wetlands through modifying nutrients stoichiometry and lignin synthesis of Phragmites australis. Environmental and Experimental Botany, 2020, 175, 104058.	4.2	19
107	Biochar in Soil for Climate Change Mitigation and Adaptation. Soil Biology, 2011, , 345-368.	0.8	19
108	Soil parent material controls organic matter stocks and retention patterns in subtropical China. Journal of Soils and Sediments, 2020, 20, 2426-2438.	3.0	18

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109	Enhancing cell survival of atrazine degrading Rhodococcus erythropolis NI86/21 cells encapsulated in alginate beads. Journal of Applied Microbiology, 2007, 102, 212-220.	3.1	17
110	Influence of ameliorating soil acidity with dolomite on the priming of soil C content and CO2 emission. Environmental Science and Pollution Research, 2017, 24, 9241-9250.	5.3	17
111	Effect of glyphosate and a commercial formulation on soil functionality assessed by substrate induced respiration and enzyme activity. European Journal of Soil Biology, 2018, 85, 64-72.	3.2	17
112	Phytotoxicity of soilborne glyphosate residues is influenced by the method of phosphorus fertiliser application. Plant and Soil, 2018, 422, 455-465.	3.7	17
113	Bioavailable DDT residues in sediments: Laboratory assessment of ageing effects using semi-permeable membrane devices. Environmental Pollution, 2008, 153, 110-118.	7.5	16
114	Wetting-drying cycles during a rice-wheat crop rotation rapidly (im)mobilize recalcitrant soil phosphorus. Journal of Soils and Sediments, 2020, 20, 3921-3930.	3.0	16
115	Spatial distribution of plant-available silicon and its controlling factors in paddy fields of China. Geoderma, 2021, 401, 115215.	5.1	16
116	Impact of climate and lithology on soil phytolith-occluded carbon accumulation in eastern China. Journal of Soils and Sediments, 2017, 17, 481-490.	3.0	15
117	Influence of growth stage and seed nitrogen on B values and potential contributions to error in estimating biological N2 fixation using the 15N natural abundance method. Plant and Soil, 2018, 425, 389-399.	3.7	15
118	Shifts in the bacterial community along with root-associated compartments of maize as affected by goethite. Biology and Fertility of Soils, 2020, 56, 1201-1210.	4.3	15
119	Vertical distributions of organic carbon fractions under paddy and forest soils derived from black shales: Implications for potential of long-term carbon storage. Catena, 2021, 198, 105056.	5.0	15
120	Pinto peanut cover crop nitrogen contributions and potential to mitigate nitrous oxide emissions in subtropical coffee plantations. Science of the Total Environment, 2019, 656, 108-117.	8.0	14
121	Application of woody biochar and woody mulch to mitigate nitrous oxide emissions from a poultry litter-amended soil in the subtropics. Agriculture, Ecosystems and Environment, 2016, 228, 1-8.	5.3	13
122	The nitrification inhibitor DMPP applied to subtropical rice has an inconsistent effect on nitrous oxide emissions. Soil Research, 2017, 55, 547.	1.1	13
123	Integration and potential nitrogen contributions of green manure inter-row legumes in coppiced tree cropping systems. European Journal of Agronomy, 2019, 103, 47-53.	4.1	13
124	Biochar improves diary pasture yields by alleviating P and K constraints with no influence on soil respiration or N2O emissions. Biochar, 2019, 1, 115-126.	12.6	13
125	Additive effects of organic and inorganic amendments can significantly improve structural stability of a sodic dispersive subsoil. Geoderma, 2021, 404, 115281.	5.1	13
126	Herbicide residues in Australian grain cropping soils at sowing and their relevance to crop growth. Science of the Total Environment, 2022, 833, 155105.	8.0	13

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127	Effect of clay and iron sulphate on volatile and water-extractable organic compounds in bamboo biochars. Journal of Analytical and Applied Pyrolysis, 2018, 133, 22-29.	5.5	12
128	Minor effects of herbicides on microbial activity in agricultural soils are detected by N-transformation but not enzyme activity assays. European Journal of Soil Biology, 2018, 87, 72-79.	3.2	12
129	Assessing plant-available glyphosate in contrasting soils by diffusive gradient in thin-films technique (DGT). Science of the Total Environment, 2019, 646, 735-744.	8.0	11
130	Effects of crabs on greenhouse gas emissions, soil nutrients, and stoichiometry in a subtropical estuarine wetland. Biology and Fertility of Soils, 2021, 57, 131-144.	4.3	11
131	Release of native and mass labelled PCDD/PCDF from soil heated to simulate bushfires. Environmental Pollution, 2012, 166, 10-16.	7.5	10
132	Real-time forecasting of pesticide concentrations in soil. Science of the Total Environment, 2019, 663, 709-717.	8.0	10
133	Direct Determination of Glyphosate and its Metabolite AMPA in Soil Using Mixed-Mode Solid-Phase Purification and LC-MS/MS Determination on a Hypercarb Column. Journal of AOAC INTERNATIONAL, 2019, 102, 952-965.	1.5	10
134	Expression of the 2,4-D degrading plasmid pJP4 ofAlcaligenes eutrophus inRhizobium trifolii. Acta Biotechnologica, 1994, 14, 119-129.	0.9	9
135	Release of PCDD/PCDF to air and land during open burning of sugarcane and forest litter over soil fortified with mass labelled PCDD/PCDF. Atmospheric Environment, 2012, 59, 125-130.	4.1	9
136	Plant growth responses to soil-applied hydrothermally-carbonised waste amendments: a meta-analysis. Plant and Soil, 2022, 472, 1-15.	3.7	9
137	Wood base biochar alters inorganic N. Acta Horticulturae, 2016, , 151-154.	0.2	8
138	Delayed permanent water rice production systems do not improve the recovery of 15 N-urea compared to continuously flooded systems. European Journal of Agronomy, 2016, 81, 46-51.	4.1	8
139	Colonisation dynamics of arbuscular mycorrhizal fungi and dark septate endophytes in the sugarcane crop cycle. Rhizosphere, 2018, 7, 18-26.	3.0	8
140	Slow Release Brown Coal-Urea Fertilizer Potentially Influences Greenhouse Gas Emissions, Nitrogen Use Efficiency, and Sweet Corn Yield in Oxisol. ACS Agricultural Science and Technology, 2021, 1, 469-478.	2.3	8
141	Unraveling microbiomes and functions associated with strategic tillage, stubble, and fertilizer management. Agriculture, Ecosystems and Environment, 2022, 323, 107686.	5.3	8
142	Behaviour of estrogenic endocrine-disrupting chemicals in permeable carbonate sands. Environmental Science and Pollution Research, 2015, 22, 11340-11348.	5.3	7
143	Removal of phosphorus in residues of legume or cereal plants determines growth of subsequently planted wheat in a high phosphorus fixing soil. Biology and Fertility of Soils, 2016, 52, 1085-1092.	4.3	7
144	Holocene carbon accumulation in lakes of the current east Asian monsoonal margin: Implications under a changing climate. Science of the Total Environment, 2020, 737, 139723.	8.0	7

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145	Biochar: A Coproduct to Bioenergy from Slow-Pyrolysis Technology. , 2013, , 97-117.		6
146	A review of carbon isotopes of phytoliths: implications for phytolith-occluded carbon sources. Journal of Soils and Sediments, 2020, 20, 1811-1823.	3.0	6
147	Edaphic variables influence soil bacterial structure under successive fertilization of Paulownia plantation substituting native vegetation. Journal of Soils and Sediments, 2021, 21, 2922.	3.0	6
148	Ameliorating alkaline dispersive subsoils with organic amendments: Are productivity responses due to nutrition or improved soil structure?. Plant and Soil, 2022, 480, 227-244.	3.7	6
149	Optimisation of analytical method for estrogen in surface water and primary risk assessment in South Creek. International Journal of Water, 2007, 3, 334.	0.1	5
150	The contribution of Asian dust in the pedogenesis of ultisols in Southeastern China determined by soil grain size. Journal of Soils and Sediments, 2019, 19, 232-240.	3.0	4
151	Weed Suppression, Biomass and Nitrogen Accumulation in Mixed-Species and Single-Species Cover Crops in a Tropical Sugarcane Fallow. Agriculture (Switzerland), 2021, 11, 640.	3.1	4
152	Studying the Role of Biochar using Isotopic Tracing Techniques. , 2013, , 142-172.		3
153	Responses of soil nutrients and microbial activity to the mill-mud application in a compaction-affected sugarcane field. Soil Research, 2022, 60, 385-398.	1.1	3
154	DETERMINATION OF DDT AND ITS METABOLITES IN CATTLE DIP SOIL AVAILABLE IN AQUEOUS PHASE AFTER REMEDIATION. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2001, 36, 501-516.	1.5	2
155	Regional Considerations for Targeted Use of Biochar in Agriculture and Remediation in Australia. SSSA Special Publication Series, 0, , 445-474.	0.2	2
156	Biochar and compost soil amendments affect soil carbon and greenhouse gas emissions. Acta Horticulturae, 2017, , 225-232.	0.2	2
157	Soilborne glyphosate residue thresholds for wheat seedling metabolite profiles and fungal root endophyte colonisation are lower than for biomass production in a sandy soil. Plant and Soil, 2019, 438, 393-404.	3.7	2
158	Low pH of a High Carbon Gleysol Contributes to Nitrification Inhibition Resulting in Low N2O Soil Emissions and Limited Effectiveness of Nitrification Inhibitors. Soil Systems, 2020, 4, 75.	2.6	2
159	Sample preservation methods impact arbuscular mycorrhizal DNA recovery from sugarcane root tissue. Rhizosphere, 2022, 22, 100519.	3.0	2
160	Disentangling carbon stabilization in a Calcisol subsoil amended with iron oxyhydroxides: A dual-13C isotope approach. Soil Biology and Biochemistry, 2022, , 108711.	8.8	2
161	Low seasonal nitrous oxide emissions in tea tree farming systems following nitrogen fertilisation using poultry litter application or green manure legumes. Soil Research, 2020, 58, 238.	1.1	1
162	Contribution of Asian dust to soils in Southeast China estimated with Nd and Pb isotopic compositions. Acta Geochimica, 2020, 39, 911-919.	1.7	0

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163	SOIL NEMATODES INDICATE SOIL HEALTH IN MACADAMIA ORCHARDS. Acta Horticulturae, 2005, , 207-211.	0.2	0