

# Hailin Zhang

## List of Publications by Year in descending order

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165  
papers

5,894  
citations

70961

41  
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95083

68  
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165  
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165  
docs citations

165  
times ranked

6343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in utilization of biochar. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1055-1064.	8.2	640
2	Soil Acidification from Long-Term Use of Nitrogen Fertilizers on Winter Wheat. <i>Soil Science Society of America Journal</i> , 2011, 75, 957-964.	1.2	268
3	Fertilization and Nitrogen Balance in a Wheat-Maize Rotation System in North China. <i>Agronomy Journal</i> , 2006, 98, 938-945.	0.9	256
4	Optical Sensor-Based Algorithm for Crop Nitrogen Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 36, 2759-2781.	0.6	243
5	Heavy metal contents, distribution, and prediction in a regional soil-wheat system. <i>Science of the Total Environment</i> , 2016, 544, 422-431.	3.9	150
6	On-Farm Evaluation of the Improved Soil N <sub>min</sub> -based Nitrogen Management for Summer Maize in North China Plain. <i>Agronomy Journal</i> , 2008, 100, 517-525.	0.9	146
7	Optimizing nitrogen input to reduce nitrate leaching loss in greenhouse vegetable production. <i>Agricultural Water Management</i> , 2012, 111, 53-59.	2.4	128
8	Simultaneous determination of soil aluminum, ammonium and nitrate-nitrogen using 1 M potassium chloride extraction. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 893-903.	0.6	116
9	Path and Multiple Regression Analyses of Phosphorus Sorption Capacity. <i>Soil Science Society of America Journal</i> , 2005, 69, 96.	1.2	106
10	Rice production, nitrous oxide emission and ammonia volatilization as impacted by the nitrification inhibitor 2-chloro-6-(trichloromethyl)-pyridine. <i>Field Crops Research</i> , 2015, 173, 1-7.	2.3	101
11	Organic amendments affect phosphorus sorption characteristics in a paddy soil. <i>Agriculture, Ecosystems and Environment</i> , 2013, 175, 47-53.	2.5	92
12	Selection of a Water-Extractable Phosphorus Test for Manures and Biosolids as an Indicator of Runoff Loss Potential. <i>Journal of Environmental Quality</i> , 2007, 36, 1357-1367.	1.0	90
13	The roles of co-composted biochar (COMBI) in improving soil quality, crop productivity, and toxic metal amelioration. <i>Journal of Environmental Management</i> , 2021, 277, 111443.	3.8	89
14	In-Season Optical Sensing Improves Nitrogen Use Efficiency for Winter Wheat. <i>Soil Science Society of America Journal</i> , 2009, 73, 1566-1574.	1.2	88
15	Do high nitrogen use efficiency rice cultivars reduce nitrogen losses from paddy fields?. <i>Agriculture, Ecosystems and Environment</i> , 2015, 209, 26-33.	2.5	76
16	Soil Salinity Using Saturated Paste and 1:1 Soil to Water Extracts. <i>Soil Science Society of America Journal</i> , 2005, 69, 1146-1151.	1.2	68
17	Compositional Differences in Organic Matter among Cultivated and Uncultivated Argudolls and Hapludalfs Derived from Loess. <i>Soil Science Society of America Journal</i> , 1988, 52, 216-222.	1.2	66
18	Fly-Ash-Amended Sand as Filter Media in Bioretention Cells to Improve Phosphorus Removal. <i>Water Environment Research</i> , 2008, 80, 507-516.	1.3	66

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19	Chemical Composition of Defatted Cottonseed and Soy Meal Products. PLoS ONE, 2015, 10, e0129933.	1.1	66
20	Cell Membrane Surface Potential ( $\psi^0$ ) Plays a Dominant Role in the Phytotoxicity of Copper and Arsenate. Plant Physiology, 2008, 148, 2134-2143.	2.3	64
21	CONTRIBUTION OF ORGANIC MATTER TO CATION EXCHANGE CAPACITY AND SPECIFIC SURFACE AREA OF FRACTIONATED SOIL MATERIALS. Soil Science, 1989, 148, 250-257.	0.9	63
22	Enhanced ethanol production by Clostridium ragsdalei from syngas by incorporating biochar in the fermentation medium. Bioresource Technology, 2018, 247, 291-301.	4.8	61
23	Heavy Metal Transfer from Soil to Vegetable in Southern Jiangsu Province, China. Pedosphere, 2009, 19, 305-311.	2.1	58
24	Water-Extractable Soil Organic Carbon and Nitrogen Affected by Tillage and Manure Application. Soil Science, 2011, 176, 307-312.	0.9	57
25	Topdressing nitrogen recommendation for early rice with an active sensor in south China. Precision Agriculture, 2014, 15, 95-110.	3.1	56
26	Differences of Phosphorus in Mehlich 3 Extracts Determined by Colorimetric and Spectroscopic Methods. Communications in Soil Science and Plant Analysis, 2005, 36, 1641-1659.	0.6	55
27	Hard Red Winter Wheat Cultivar Responses to a pH and Aluminum Concentration Gradient. Agronomy Journal, 2007, 99, 88-98.	0.9	55
28	Controlled-release fertilizer, floating duckweed, and biochar affect ammonia volatilization and nitrous oxide emission from rice paddy fields irrigated with nitrogen-rich wastewater. Paddy and Water Environment, 2016, 14, 105-111.	1.0	55
29	Stimulation of nitrogen removal in the rhizosphere of aquatic duckweed by root exudate components. Planta, 2014, 239, 591-603.	1.6	53
30	Biochar enhanced ethanol and butanol production by Clostridium carboxidivorans from syngas. Bioresource Technology, 2018, 265, 128-138.	4.8	53
31	Dissolution Kinetics of Hornblende in Organic Acid Solutions. Soil Science Society of America Journal, 1999, 63, 815-822.	1.2	51
32	A quantitative phosphorus loss assessment tool for agricultural fields. Environmental Modelling and Software, 2010, 25, 1121-1129.	1.9	51
33	Dissimilatory nitrate reduction to ammonium in an anaerobic agricultural soil as affected by glucose and free sulfide. European Journal of Soil Biology, 2013, 58, 98-104.	1.4	51
34	The influence of long-term fertilization on cadmium (Cd) accumulation in soil and its uptake by crops. Environmental Science and Pollution Research, 2014, 21, 10377-10385.	2.7	50
35	Genetic characterization of powdery mildew resistance in U.S. hard winter wheat. Molecular Breeding, 2009, 24, 141-152.	1.0	49
36	Mineral Composition of Cottonseed is Affected by Fertilization Management Practices. Agronomy Journal, 2013, 105, 341-350.	0.9	49

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37	Influence of Long-Term Fertilization on Selenium Accumulation in Soil and Uptake by Crops. <i>Pedosphere</i> , 2016, 26, 120-129.	2.1	49
38	Stratification of Phosphorus Forms from Long-Term Conservation Tillage and Poultry Litter Application. <i>Soil Science Society of America Journal</i> , 2015, 79, 504-516.	1.2	47
39	Soil Characteristics and Phosphorus Level Effect on Phosphorus Loss in Runoff. <i>Journal of Environmental Quality</i> , 2005, 34, 1640-1650.	1.0	46
40	Effects of Grazing on Restoration of Southern Mixed Prairie Soils. <i>Restoration Ecology</i> , 2002, 10, 401-407.	1.4	44
41	Water-Soluble Phosphorus as Affected by Soil to Extractant Ratios, Extraction Times, and Electrolyte. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 36, 925-935.	0.6	44
42	The Effect of Long-Term Annual Application of Biosolids on Soil Properties, Phosphorus, and Metals. <i>Soil Science Society of America Journal</i> , 2008, 72, 73-82.	1.2	43
43	Feasibility of using biochar as buffer and mineral nutrients replacement for acetone-butanol-ethanol production from non-detoxified switchgrass hydrolysate. <i>Bioresource Technology</i> , 2020, 298, 122569.	4.8	41
44	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. <i>Soil Science</i> , 2010, 175, 154-161.	0.9	40
45	Effect of Alternative Soil Acidity Amelioration Strategies on Soil pH Distribution and Wheat Agronomic Response. <i>Soil Science Society of America Journal</i> , 2013, 77, 1831-1841.	1.2	40
46	Nitrogen Balance in the Magruder Plots Following 109 Years in Continuous Winter Wheat. <i>Journal of Plant Nutrition</i> , 2003, 26, 1561-1580.	0.9	39
47	Practical deployment of an in-field soil property wireless sensor network. <i>Computer Standards and Interfaces</i> , 2014, 36, 278-287.	3.8	39
48	Physicochemical properties and morphology of biochars as affected by feedstock sources and pyrolysis temperatures. <i>Biochar</i> , 2019, 1, 325-336.	6.2	38
49	Enhanced ethanol production from syngas by <i>Clostridium ragsdalei</i> in continuous stirred tank reactor using medium with poultry litter biochar. <i>Applied Energy</i> , 2019, 236, 1269-1279.	5.1	37
50	Effects of a catch crop and reduced nitrogen fertilization on nitrogen leaching in greenhouse vegetable production systems. <i>Nutrient Cycling in Agroecosystems</i> , 2011, 91, 31-39.	1.1	36
51	Phosphate Mobilization by Citric, Tartaric, and Oxalic Acids in a Clay Loam Ultisol. <i>Soil Science Society of America Journal</i> , 2008, 72, 1263-1268.	1.2	35
52	Animal Manure Reduces Aluminum Toxicity in an Acid Soil. <i>Soil Science Society of America Journal</i> , 2007, 71, 1699-1707.	1.2	32
53	Economics of Lime and Phosphorus Application for Dual-Purpose Winter Wheat Production in Low-pH Soils. <i>Agronomy Journal</i> , 2002, 94, 1139-1145.	0.9	31
54	Evaluating Soil Dissolved Organic Matter Extraction Using Three-Dimensional Excitation-Emission Matrix Fluorescence Spectroscopy. <i>Pedosphere</i> , 2017, 27, 968-973.	2.1	31

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55	Potato nitrogen management by monitoring petiole nitrate level. <i>Journal of Plant Nutrition</i> , 1996, 19, 1405-1412.	0.9	28
56	Predicting Runoff of Suspended Solids and Particulate Phosphorus for Selected Louisiana Soils Using Simple Soil Tests. <i>Journal of Environmental Quality</i> , 2007, 36, 1310-1317.	1.0	28
57	Elemental and Fourier Transform-Infrared Spectroscopic Analysis of Water- and Pyrophosphate-Extracted Soil Organic Matter. <i>Soil Science</i> , 2011, 176, 183-189.	0.9	28
58	Micronutrient Availability as Affected by the Long-Term Application of Phosphorus Fertilizer and Organic Amendments. <i>Soil Science Society of America Journal</i> , 2011, 75, 927-939.	1.2	28
59	Laboratory Lysimeter Analysis of NH <sub>3</sub> and N <sub>2</sub> O Emissions and Leaching Losses of Nitrogen in a Rice-Wheat Rotation System Irrigated With Nitrogen-Rich Wastewater. <i>Soil Science</i> , 2013, 178, 316-323.	0.9	28
60	Wheat straw biochar application increases ammonia volatilization from an urban compacted soil giving a short-term reduction in fertilizer nitrogen use efficiency. <i>Journal of Soils and Sediments</i> , 2019, 19, 1624-1631.	1.5	28
61	Does glyphosate impact on Cu uptake by, and toxicity to, the earthworm <i>Eisenia fetida</i> ?. <i>Ecotoxicology</i> , 2012, 21, 2297-2305.	1.1	27
62	Accelerated phosphorus accumulation and acidification of soils under plastic greenhouse condition in four representative organic vegetable cultivation sites. <i>Scientia Horticulturae</i> , 2015, 195, 67-73.	1.7	27
63	Comparing Phosphorus Indices from Twelve Southern U.S. States against Monitored Phosphorus Loads from Six Prior Southern Studies. <i>Journal of Environmental Quality</i> , 2012, 41, 1741-1749.	1.0	26
64	Pilot-Scale Production of Washed Cottonseed Meal and Co-Products. <i>Modern Applied Science</i> , 2015, 10, 25.	0.4	26
65	Effectiveness of Bauxite Residues in Immobilizing Contaminants in Manure-Amended Soils. <i>Soil Science</i> , 2009, 174, 676-686.	0.9	24
66	Characterization of defatted cottonseed meal-derived pyrolysis bio-oil by ultrahigh resolution electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 96-106.	2.6	24
67	Heavy metal phytoavailability in a contaminated soil of northeastern Oklahoma as affected by biochar amendment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33582-33593.	2.7	24
68	Trace Elements in Benchmark Soils of Oklahoma. <i>Soil Science Society of America Journal</i> , 2012, 76, 2031-2040.	1.2	23
69	Nitrogen use efficiency is regulated by interacting proteins relevant to development in wheat. <i>Plant Biotechnology Journal</i> , 2018, 16, 1214-1226.	4.1	23
70	The use of microwave muffle furnace for dry ashing plant tissue samples. <i>Communications in Soil Science and Plant Analysis</i> , 1994, 25, 1321-1327.	0.6	22
71	Rates and stoichiometry of hornblende dissolution over 115 days of laboratory weathering at pH 3.6-4.0 and 25 °C in 0.01 M lithium acetate. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 941-950.	1.6	22
72	Soil testing for an economically and environmentally sound wheat production. <i>Communications in Soil Science and Plant Analysis</i> , 1998, 29, 1707-1717.	0.6	22

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73	Development of a Quantitative Pasture Phosphorus Management Tool Using the SWAT Model <sup>1</sup> . Journal of the American Water Resources Association, 2009, 45, 397-406.	1.0	22
74	Phosphorus Availability and Sorption as Affected by Long-Term Fertilization. Agronomy Journal, 2014, 106, 1583-1592.	0.9	22
75	Biochar application mode influences nitrogen leaching and NH <sub>3</sub> volatilization losses in a rice paddy soil irrigated with N-rich wastewater. Environmental Technology (United Kingdom), 2018, 39, 2090-2096.	1.2	22
76	Determining Aluminum Tolerance and Critical Soil pH for Winter Canola Production for Acidic Soils in Temperate Regions. Agronomy Journal, 2010, 102, 327-332.	0.9	21
77	Southern Phosphorus Indices, Water Quality Data, and Modeling (APEX, APLE, and TBET) Results: A Comparison. Journal of Environmental Quality, 2017, 46, 1296-1305.	1.0	21
78	Reducing Nutrient Runoff from Golf Course Fairways Using Grass Buffers of Multiple Heights. Crop Science, 2006, 46, 72-80.	0.8	20
79	Dissimilatory nitrate reduction to ammonium in a soil under greenhouse vegetable cultivation as affected by organic amendments. Journal of Soils and Sediments, 2015, 15, 1169-1177.	1.5	20
80	Can Yield Goals Be Predicted?. Agronomy Journal, 2017, 109, 2389-2395.	0.9	20
81	Protein and Fiber Profiles of Cottonseed from Upland Cotton with Different Fertilizations. Modern Applied Science, 2014, 8, .	0.4	19
82	Response of biochar induced carbon mineralization priming effects to additional nitrogen in a sandy loam soil. Applied Soil Ecology, 2015, 96, 165-171.	2.1	19
83	Switchgrass Winter Yield, Year-Round Elemental Concentrations, and Associated Soil Nutrients in a Zero Input Environment. Agronomy Journal, 2013, 105, 463-470.	0.9	18
84	An Automated Laboratory Method for Measuring CO <sub>2</sub> Emissions from Soils. Agricultural and Environmental Letters, 2018, 3, 180008.	0.8	18
85	Rice nitrogen use efficiency does not link to ammonia volatilization in paddy fields. Science of the Total Environment, 2020, 741, 140433.	3.9	18
86	The accumulation and transfer of arsenic and mercury in the soil under a long-term fertilization treatment. Journal of Soils and Sediments, 2016, 16, 427-437.	1.5	17
87	Soybean Yield Response to Phosphorus Fertilization in an Oxisol under Long-Term No-Till Management. Soil Science Society of America Journal, 2019, 83, 173-180.	1.2	17
88	Phosphorus speciation by P-XANES in an Oxisol under long-term no-till cultivation. Geoderma, 2020, 377, 114580.	2.3	17
89	Animal Manure Production and Utilization in the US. , 2014, , 1-21.		17
90	In-season estimation of grain sorghum yield potential using a hand-held optical sensor. Archives of Agronomy and Soil Science, 2007, 53, 617-628.	1.3	16

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91	Interlaboratory Validation of the Mehlich 3 Method as a Universal Extractant for Plant Nutrients. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 995-1008.	0.7	16
92	Combination system of full-scale constructed wetlands and wetland paddy fields to remove nitrogen and phosphorus from rural unregulated non-point sources. <i>Environmental Geochemistry and Health</i> , 2013, 35, 801-809.	1.8	16
93	Nutrient sources and harvesting frequency on quality biomass production of switchgrass ( <i>Panicum</i> ) Tj ETQq1 1 0.784314 rgBT /Over 2.9 16	2.9	16
94	In-Season Yield Prediction of Cabbage with a Hand-Held Active Canopy Sensor. <i>Sensors</i> , 2017, 17, 2287.	2.1	16
95	Effects of cultivation history in paddy rice on vertical water flows and related soil properties. <i>Soil and Tillage Research</i> , 2020, 200, 104613.	2.6	16
96	Chemical Composition and Thermogravimetric Behaviors of Glanded and Glandless Cottonseed Kernels. <i>Molecules</i> , 2022, 27, 316.	1.7	16
97	Wastewater Chemistry and Fractionation of Bioactive Phosphorus in Dairy Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 907-924.	0.6	15
98	Adsorption Kinetics of Glyphosate and Copper(II) Alone and Together on Two Types of Soils. <i>Soil Science Society of America Journal</i> , 2009, 73, 1995-2001.	1.2	15
99	Global Warming Potential in an Intensive Vegetable Cropping System as Affected by Crop Rotation and Nitrogen Rate. <i>Clean - Soil, Air, Water</i> , 2016, 44, 766-774.	0.7	15
100	Characterising preferential flow and its interaction with the soil matrix using dye tracing in the Three Gorges Reservoir Area of China. <i>Soil Research</i> , 2018, 56, 588.	0.6	15
101	Isothermal Titration Calorimetry as an Indicator of Phosphorus Sorption Behavior. <i>Soil Science Society of America Journal</i> , 2010, 74, 502-511.	1.2	14
102	Nitrogen removal from the surface runoff of a field scale greenhouse vegetable production system. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 3136-3147.	1.2	14
103	Chemical Characterization of Cotton Plant Parts for Multiple Uses. <i>Agricultural and Environmental Letters</i> , 2017, 2, 110044.	0.8	14
104	Influence of canopy and topographic position on soil moisture response to rainfall in a hilly catchment of Three Gorges Reservoir Area, China. <i>Journal of Chinese Geography</i> , 2020, 30, 949-968.	1.5	14
105	Changes in soil microbial communities and priming effects induced by rice straw pyrogenic organic matter produced at two temperatures. <i>Geoderma</i> , 2021, 400, 115217.	2.3	14
106	Phosphorus Loss in Runoff from Long-term Continuous Wheat Fertility Trials. <i>Soil Science Society of America Journal</i> , 2006, 70, 163-171.	1.2	13
107	Interlaboratory Validation of the Mehlich 3 Method for Extraction of Plant-Available Phosphorus. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 91-102.	0.7	13
108	Alternative Poultry Litter Storage for Improved Transportation and Use as a Soil Amendment. <i>Journal of Environmental Quality</i> , 2011, 40, 233-241.	1.0	13

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109	In Situ Dissimilatory Nitrate Reduction to Ammonium in a Paddy Soil Fertilized with Liquid Cattle Waste. <i>Pedosphere</i> , 2012, 22, 314-321.	2.1	13
110	Phytoremediation of Soil Phosphorus with Crabgrass. <i>Agronomy Journal</i> , 2014, 106, 528-536.	0.9	13
111	Spatial Variability and Soil Sampling in a Grazed Pasture. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 1674-1687.	0.6	12
112	Quantitatively ranking the influencing factors of ammonia volatilization from paddy soils by grey relational entropy. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2319-2327.	2.7	12
113	Carbohydrate and Amino Acid Profiles of Cotton Plant Biomass Products. <i>Agriculture (Switzerland)</i> , 2020, 10, 2.	1.4	12
114	Nitrogen fertilizer value of feedlot manure for irrigated corn production. <i>Journal of Plant Nutrition</i> , 1998, 21, 287-296.	0.9	11
115	Reducing Potential Leaching of Phosphorus, Heavy Metals, and Fecal Coliform From Animal Wastes Using Bauxite Residues. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 241-252.	1.1	11
116	Prediction of maize ( <i>Zea mays</i> L.) population using normalized-difference vegetative index (NDVI) and coefficient of variation (CV). <i>Journal of Plant Nutrition</i> , 2019, 42, 673-679.	0.9	11
117	The growth and Cu and Zn uptake of pakchois ( <i>Brassica chinensis</i> L.) in an acidic soil as affected by chicken or pig manure. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 905-912.	0.7	10
118	Aggregate-Associated Organic Carbon and Nitrogen Impacted by the Long-Term Application of Fertilizers, Rice Straw, and Pig Manure. <i>Soil Science</i> , 2014, 179, 522-528.	0.9	10
119	Effects of inter-species chromosome substitution on cottonseed mineral and protein nutrition profiles. <i>Agronomy Journal</i> , 2020, 112, 3963-3974.	0.9	10
120	Phosphorus Availability and Transformation as Affected by Repeated Phosphorus Additions in an Ultisol. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 1922-1933.	0.6	9
121	The Response of Soil pH and Exchangeable Al to Alum and Lime Amendments. <i>Agriculture (Switzerland)</i> , 2021, 11, 547.	1.4	9
122	Comparative analysis of exchangeable aluminum in a tropical soil under long-term no-till cultivation. <i>Soil and Tillage Research</i> , 2022, 216, 105242.	2.6	9
123	Fourier transform infrared spectral features of plant biomass components during cotton organ development and their biological implications. <i>Journal of Cotton Research</i> , 2022, 5, .	1.0	9
124	Biochar amended microbial conversion of C1 gases to ethanol and butanol: Effects of biochar feedstock type and processing temperature. <i>Bioresource Technology</i> , 2022, 360, 127573.	4.8	9
125	Quick nitrate test for hybrid sudangrass and pearl millet Hays. <i>Communications in Soil Science and Plant Analysis</i> , 1999, 30, 1573-1582.	0.6	8
126	Changes of preferential flow path on different altitudinal zones in the Three Gorges Reservoir Area, China. <i>Canadian Journal of Soil Science</i> , 2014, 94, 177-188.	0.5	8



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127	Nondestructive estimation of bok choy nitrogen status with an active canopy sensor in comparison to a chlorophyll meter. <i>Pedosphere</i> , 2020, 30, 769-777.	2.1	8
128	The Use of Biochar as a Soil Amendment to Reduce Potentially Toxic Metals (PTMs) Phytoavailability. , O, , .		8
129	Soil phosphorus storage capacity as affected by repeated phosphorus addition in an Ultisol. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 1960-1968.	0.6	8
130	Closely related winter wheat cultivar performance in U.S. Great Plains acid soils. <i>Agronomy Journal</i> , 2020, 112, 3704-3717.	0.9	8
131	Validation of a Quantitative Phosphorus Loss Assessment Tool. <i>Journal of Environmental Quality</i> , 2014, 43, 224-234.	1.0	7
132	Variation in soilâ€¢testâ€¢based phosphorus and potassium rate recommendations across the southern USA. <i>Soil Science Society of America Journal</i> , 2021, 85, 975-988.	1.2	7
133	A Wheat Grazing Model for Simulating Grain and Beef Production: Part II-Model Validation. <i>Agronomy Journal</i> , 2008, 100, 1248-1258.	0.9	6
134	Irrigation-Induced Changes in Phosphorus Fractions of Caribou Sandy Loam Soil Under Different Potato Cropping Systems. <i>Soil Science</i> , 2011, 176, 676-683.	0.9	6
135	Temporal Variability of Soil Property Dynamics in a Grazed Pasture. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 2744-2754.	0.6	5
136	Recovery of Phosphorus in Soils Amended with Manure for 119 Years. <i>Agronomy</i> , 2020, 10, 1947.	1.3	5
137	Influence of Biochar Derived Nitrogen on Cadmium Removal by Ryegrass in a Contaminated Soil. <i>Environments - MDPI</i> , 2021, 8, 11.	1.5	5
138	Morphology and Chemistry of Hornblende Dissolution Products in Acid Solutions. <i>Developments in Soil Science</i> , 1990, 19, 551-556.	0.5	4
139	Yield and Quality of Winter Wheat Forage As Affected by Lime. <i>Forage and Grazinglands</i> , 2004, 2, 1-6.	0.2	4
140	Soybean Production under Continuous Potassium Fertilization in a Longâ€¢Term Noâ€¢Till Oxisol. <i>Agronomy Journal</i> , 2019, 111, 2462-2471.	0.9	4
141	Soil Salinity Variations in an Irrigation Scheme during a Period of Extreme Dry and Wet Cycles. <i>Soil Systems</i> , 2019, 3, 35.	1.0	4
142	Optimizing soil dissolved organic matter extraction by grey relational analysis. <i>Pedosphere</i> , 2020, 30, 589-596.	2.1	4
143	Nutrient Dynamics in Switchgrass as a Function of Time. <i>Agronomy</i> , 2020, 10, 940.	1.3	4
144	Land Application of Urban Horizontal Directional Drilling Residuals to Established Grass and Bare Soils. <i>Sustainability</i> , 2020, 12, 10264.	1.6	4

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145	THE pH DEPENDENCE OF HORNBLENDE DISSOLUTION. <i>Soil Science</i> , 1999, 164, 624-632.	0.9	4
146	Soil and Plant Nutrient Analysis with a Portable XRF Probe Using a Single Calibration. <i>Agronomy</i> , 2021, 11, 2118.	1.3	4
147	Biochar-Induced Priming Effects in Young and Old Poplar Plantation Soils. <i>Phyton</i> , 2020, 89, 13-26.	0.4	4
148	Open-vessel microwave digestion of animal waste samples for multi-element analysis. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 2959-2967.	0.6	3
149	Dynamic chemical characteristics of soil solution after pig manure application: A column study. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008, 43, 429-436.	0.7	3
150	VARIATION AND INTERRELATIONS AMONG NUTRIENT ELEMENTS IN WHEAT LEAVES USED FOR FORAGE. <i>Journal of Plant Nutrition</i> , 2011, 34, 1321-1329.	0.9	3
151	Physicochemical Characterization of Horizontal Directional Drilling Residuals. <i>Sustainability</i> , 2020, 12, 7707.	1.6	3
152	Nitrogen Fertilization and Harvest Timing Affect Switchgrass Quality. <i>Resources</i> , 2020, 9, 61.	1.6	3
153	MORPHOLOGICAL AND PHYSIOLOGICAL RESPONSES OF WINTER WHEAT SEEDLINGS TO NITROGEN AND PHOSPHORUS DEFICIENCY. <i>Journal of Plant Nutrition</i> , 2013, 36, 1234-1246.	0.9	2
154	Temporal Changes of Manure Chemical Compositions and Environmental Awareness in the Southern Great Plains. <i>ASA Special Publication</i> , 2020, , 15-26.	0.8	2
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