

Zhongqi He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8859869/publications.pdf>

Version: 2024-02-01

219
papers

6,780
citations

53751

45
h-index

98753

67
g-index

219
all docs

219
docs citations

219
times ranked

5206
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh Resolution Mass Spectrometry and Indicator Species Analysis to Identify Marker Components of Soil- and Plant Biomass-Derived Organic Matter Fractions. <i>Environmental Science & Technology</i> , 2010, 44, 8594-8600.	4.6	219
2	Characterization of Organic Phosphorus in Lake Sediments by Sequential Fractionation and Enzymatic Hydrolysis. <i>Environmental Science & Technology</i> , 2013, 47, 7679-7687.	4.6	155
3	Applied and Environmental Chemistry of Animal Manure: A Review. <i>Pedosphere</i> , 2016, 26, 779-816.	2.1	145
4	A Modified Molybdenum Blue Method for Orthophosphate Determination Suitable for Investigating Enzymatic Hydrolysis of Organic Phosphates. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 36, 1373-1383.	0.6	138
5	Pyrolysis temperature-dependent release of dissolved organic carbon from plant, manure, and biorefinery wastes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 84-94.	2.6	129
6	Effects of Different Potato Cropping System Approaches and Water Management on Soilborne Diseases and Soil Microbial Communities. <i>Phytopathology</i> , 2011, 101, 58-67.	1.1	115
7	Preparation and FT-IR Characterization of Metal Phytate Compounds. <i>Journal of Environmental Quality</i> , 2006, 35, 1319-1328.	1.0	113
8	Influence of animal manure application on the chemical structures of soil organic matter as investigated by advanced solid-state NMR and FT-IR spectroscopy. <i>Geoderma</i> , 2008, 146, 353-362.	2.3	113
9	Effects of poultry manure amendment on phosphorus uptake by ryegrass, soil phosphorus fractions and phosphatase activity. <i>Biology and Fertility of Soils</i> , 2011, 47, 407-418.	2.3	108
10	Spectral and Chemical Characterization of Phosphates Associated with Humic Substances. <i>Soil Science Society of America Journal</i> , 2006, 70, 1741-1751.	1.2	107
11	Comparison of Biochar Formation from Various Agricultural By-Products Using FTIR Spectroscopy. <i>Modern Applied Science</i> , 2014, 9, .	0.4	106
12	Enzymatic Characterization of Organic Phosphorus in Animal Manure. <i>Journal of Environmental Quality</i> , 2001, 30, 1685-1692.	1.0	103
13	“Greener” adhesives composed of urea-formaldehyde resin and cottonseed meal for wood-based composites. <i>Journal of Cleaner Production</i> , 2018, 187, 361-371.	4.6	103
14	Inhibition of phosphorus sorption to goethite, gibbsite, and kaolin by fresh and decomposed organic matter. <i>Biology and Fertility of Soils</i> , 2007, 44, 277-288.	2.3	95
15	Characterization of plant-derived water extractable organic matter by multiple spectroscopic techniques. <i>Biology and Fertility of Soils</i> , 2009, 45, 609-616.	2.3	94
16	Purification and characterization of an oxygen-sensitive, reversible 3,4-dihydroxybenzoate decarboxylase from <i>Clostridium hydroxybenzoicum</i> . <i>Journal of Bacteriology</i> , 1996, 178, 3539-3543.	1.0	93
17	Phosphorus in Poultry Litter and Soil: Enzymatic and Nuclear Magnetic Resonance Characterization. <i>Soil Science Society of America Journal</i> , 2008, 72, 1425-1433.	1.2	83
18	SOLID-STATE FOURIER TRANSFORM INFRARED AND ³¹ P NUCLEAR MAGNETIC RESONANCE SPECTRAL FEATURES OF PHOSPHATE COMPOUNDS. <i>Soil Science</i> , 2007, 172, 501-515.	0.9	82

#	ARTICLE	IF	CITATIONS
19	Linking the molecular composition of autochthonous dissolved organic matter to source identification for freshwater lake ecosystems by combination of optical spectroscopy and FT-ICR-MS analysis. <i>Science of the Total Environment</i> , 2020, 703, 134764.	3.9	82
20	Phosphorus Distribution in Dairy Manures. <i>Journal of Environmental Quality</i> , 2004, 33, 1528-1534.	1.0	81
21	Changes in Soil Phosphorus from Manure Application. <i>Soil Science Society of America Journal</i> , 2003, 67, 645-653.	1.2	79
22	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004, 33, 367-372.	1.0	76
23	Investigation of modified cottonseed protein adhesives for wood composites. <i>Industrial Crops and Products</i> , 2013, 46, 399-403.	2.5	76
24	Soy and cottonseed protein blends as wood adhesives. <i>Industrial Crops and Products</i> , 2016, 85, 324-330.	2.5	75
25	Purification and Characterization of an Oxygen-Sensitive Reversible 4-Hydroxybenzoate Decarboxylase from <i>Clostridium hydroxybenzoicum</i> . <i>FEBS Journal</i> , 1995, 229, 77-82.	0.2	74
26	Forms and Lability of Phosphorus in Humic Acid Fractions of Hord Silt Loam Soil. <i>Soil Science Society of America Journal</i> , 2011, 75, 1712-1722.	1.2	72
27	Manure composition affects net transformation of nitrogen from dairy manures. <i>Plant and Soil</i> , 2005, 273, 29-38.	1.8	68
28	Comparison of Phosphorus Forms in Wet and Dried Animal Manures by Solution Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy and Enzymatic Hydrolysis. <i>Journal of Environmental Quality</i> , 2007, 36, 1086-1095.	1.0	66
29	Chemical Composition of Defatted Cottonseed and Soy Meal Products. <i>PLoS ONE</i> , 2015, 10, e0129933.	1.1	66
30	Application of tung oil to improve adhesion strength and water resistance of cottonseed meal and protein adhesives on maple veneer. <i>Industrial Crops and Products</i> , 2014, 61, 398-402.	2.5	65
31	Assessment and application of phosphorus/calcium-cottonseed protein adhesive for plywood production. <i>Journal of Cleaner Production</i> , 2019, 229, 454-462.	4.6	58
32	Water-Extractable Soil Organic Carbon and Nitrogen Affected by Tillage and Manure Application. <i>Soil Science</i> , 2011, 176, 307-312.	0.9	57
33	Influence of natural organic matter on the bioavailability and preservation of organic phosphorus in lake sediments. <i>Chemical Geology</i> , 2015, 397, 51-60.	1.4	57
34	Simulated bioavailability of phosphorus from aquatic macrophytes and phytoplankton by aqueous suspension and incubation with alkaline phosphatase. <i>Science of the Total Environment</i> , 2018, 616-617, 1431-1439.	3.9	54
35	Phosphorus Composition in Sediments from Seven Different Trophic Lakes, China: A Phosphorus-31 NMR Study. <i>Journal of Environmental Quality</i> , 2009, 38, 353-359.	1.0	53
36	Sequential Fractionation of Cottonseed Meal to Improve Its Wood Adhesive Properties. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 151-158.	0.8	52

#	ARTICLE	IF	CITATIONS
37	Studies of the catabolic pathway of degradation of nitrobenzene by <i>Pseudomonas pseudoalcaligenes</i> JS45: removal of the amino group from 2-aminomuconic semialdehyde. <i>Applied and Environmental Microbiology</i> , 1997, 63, 4839-4843.	1.4	52
38	Adsorption of phosphate by sediments in a eutrophic lake: Isotherms, kinetics, thermodynamics and the influence of dissolved organic matter. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 16-25.	2.3	51
39	A Novel 2-Aminomuconate Deaminase in the Nitrobenzene Degradation Pathway of <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Journal of Bacteriology</i> , 1998, 180, 2502-2506.	1.0	51
40	Hydrochloric Fractions in Hedley Fractionation May Contain Inorganic and Organic Phosphates. <i>Soil Science Society of America Journal</i> , 2006, 70, 893-899.	1.2	50
41	Influence of Tillage, Cropping, and Nitrogen Source on the Chemical Characteristics of Humic Acid, Fulvic Acid, and Water-Soluble Soil Organic Matter Fractions of a Long-Term Cropping System Study. <i>Soil Science</i> , 2009, 174, 652-660.	0.9	50
42	Cation-induced coagulation of aquatic plant-derived dissolved organic matter: Investigation by EEM-PARAFAC and FT-IR spectroscopy. <i>Environmental Pollution</i> , 2018, 234, 726-734.	3.7	50
43	Mineral Composition of Cottonseed is Affected by Fertilization Management Practices. <i>Agronomy Journal</i> , 2013, 105, 341-350.	0.9	49
44	Bioavailability and preservation of organic phosphorus in lake sediments: Insights from enzymatic hydrolysis and ³¹ P nuclear magnetic resonance. <i>Chemosphere</i> , 2018, 211, 50-61.	4.2	49
45	Comparison of adhesive properties of water- and phosphate buffer-washed cottonseed meals with cottonseed protein isolate on maple and poplar veneers. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 102-106.	1.4	47
46	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
47	Use of additives to enhance the properties of cottonseed protein as wood adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 156-160.	1.4	47
48	Cottonseed protein-based wood adhesive reinforced with nanocellulose. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 1357-1368.	1.4	47
49	Cloning, Characterization, and Expression of a Novel Gene Encoding a Reversible 4-Hydroxybenzoate Decarboxylase from <i>Clostridium hydroxybenzoicum</i> . <i>Journal of Bacteriology</i> , 1999, 181, 5119-5122.	1.0	47
50	Compositional features of cotton plant biomass fractions characterized by attenuated total reflection Fourier transform infrared spectroscopy. <i>Industrial Crops and Products</i> , 2016, 79, 283-286.	2.5	46
51	EVALUATION OF SOIL PHOSPHORUS TRANSFORMATIONS BY SEQUENTIAL FRACTIONATION AND PHOSPHATASE HYDROLYSIS. <i>Soil Science</i> , 2004, 169, 515-527.	0.9	45
52	Comparison of the downstream pathways for degradation of nitrobenzene by <i>Pseudomonas pseudoalcaligenes</i> JS45 (2-aminophenol pathway) and by <i>Comamonas</i> sp. JS765 (catechol pathway). <i>Archives of Microbiology</i> , 1999, 171, 309-316.	1.0	44
53	Effects of temperature, soil water status, and soil type on swine slurry nitrogen transformations. <i>Biology and Fertility of Soils</i> , 2002, 36, 442-446.	2.3	44
54	Phosphorus Forms in Conventional and Organic Dairy Manure Identified by Solution and Solid State ³¹ P NMR Spectroscopy. <i>Journal of Environmental Quality</i> , 2009, 38, 1909-1918.	1.0	43

#	ARTICLE	IF	CITATIONS
55	Legacy Phosphorus in Calcareous Soils: Effects of Long-Term Poultry Litter Application. <i>Soil Science Society of America Journal</i> , 2015, 79, 1601-1614.	1.2	43
56	Sequence Analysis and Initial Characterization of Two Isozymes of Hydroxylaminobenzene Mutase from <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2965-2971.	1.4	41
57	Soil Phosphorus Dynamics in Response to Poultry Manure Amendment. <i>Soil Science</i> , 2009, 174, 195-201.	0.9	41
58	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. <i>Soil Science</i> , 2010, 175, 154-161.	0.9	40
59	Characterization of phosphorus forms in lake macrophytes and algae by solution ³¹ P nuclear magnetic resonance spectroscopy. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7288-7297.	2.7	40
60	The effect of cropping systems and irrigation management on development of potato early blight. <i>Journal of General Plant Pathology</i> , 2009, 75, 267-275.	0.6	39
61	Genetic and biochemical comparison of 2-aminophenol 1,6-dioxygenase of <i>Pseudomonas pseudoalcaligenes</i> JS45 to meta -cleavage dioxygenases: divergent evolution of 2-aminophenol meta -cleavage pathway. <i>Archives of Microbiology</i> , 1999, 172, 330-339.	1.0	38
62	An enzymatic hydrolysis approach for characterizing labile phosphorus forms in dairy manure under mild assay conditions. <i>Bioresource Technology</i> , 2006, 97, 1660-1668.	4.8	38
63	Enhancing Management of Fall-Applied Poultry Litter with Cover Crop and Subsurface Band Placement in No-Till Cotton. <i>Agronomy Journal</i> , 2015, 107, 449-458.	0.9	38
64	Strategies for Aerobic Degradation of Nitroaromatic Compounds by Bacteria. , 2000, , .		38
65	Total Phosphorus, Zinc, Copper, and Manganese Concentrations in Cecil Soil Through 10 Years of Poultry Litter Application. <i>Soil Science</i> , 2009, 174, 687-695.	0.9	37
66	Characteristics and degradation of carbon and phosphorus from aquatic macrophytes in lakes: Insights from solid-state ¹³ C NMR and solution ³¹ P NMR spectroscopy. <i>Science of the Total Environment</i> , 2016, 543, 746-756.	3.9	37
67	Comparative Investigation of Sequentially Extracted Phosphorus Fractions in a Sandy Loam Soil and a Swine Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 1729-1742.	0.6	36
68	Forms and Lability of Phosphorus in Algae and Aquatic Macrophytes Characterized by Solution ³¹ P NMR Coupled with Enzymatic Hydrolysis. <i>Scientific Reports</i> , 2016, 6, 37164.	1.6	36
69	Blending cottonseed meal products with different protein contents for cost-effective wood adhesive performances. <i>Industrial Crops and Products</i> , 2018, 126, 31-37.	2.5	36
70	Links among Nitrification, Nitrifier Communities, and Edaphic Properties in Contrasting Soils Receiving Dairy Slurry. <i>Journal of Environmental Quality</i> , 2012, 41, 262-272.	1.0	34
71	Effects of Vigorous Blending on Yield and Quality of Protein Isolates Extracted From Cottonseed and Soy Flours. <i>Modern Applied Science</i> , 2013, 7, .	0.4	34
72	Application of Biochar for Soil Remediation. <i>SSSA Special Publication Series</i> , 0, , 295-324.	0.2	33

#	ARTICLE	IF	CITATIONS
73	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004, 33, 367.	1.0	32
74	Purification, Characterization, and Sequence Analysis of 2-Aminomuconic 6-Semialdehyde Dehydrogenase from <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Journal of Bacteriology</i> , 1998, 180, 4591-4595.	1.0	32
75	Colloidal stability of Fe ₃ O ₄ magnetic nanoparticles differentially impacted by dissolved organic matter and cations in synthetic and naturally-occurred environmental waters. <i>Environmental Pollution</i> , 2018, 241, 912-921.	3.7	31
76	Effect of Drying on Phosphorus Distribution in Poultry Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2007, 38, 1879-1895.	0.6	30
77	Influence of Decomposition on Chemical Properties of Plant- and Manure-Derived Dissolved Organic Matter and Sorption to Goethite. <i>Journal of Environmental Quality</i> , 2007, 36, 135-143.	1.0	30
78	The Effects of Biochar Amendment on Soil Fertility. <i>SSSA Special Publication Series</i> , 0, , 123-144.	0.2	30
79	Bacterial Conversion of Hydroxylamino Aromatic Compounds by both Lyase and Mutase Enzymes Involves Intramolecular Transfer of Hydroxyl Groups. <i>Applied and Environmental Microbiology</i> , 2003, 69, 2786-2793.	1.4	29
80	SOIL PHOSPHORUS DYNAMICS IN RESPONSE TO DAIRY MANURE AND INORGANIC FERTILIZER APPLICATIONS. <i>Soil Science</i> , 2006, 171, 598-609.	0.9	29
81	Production of 2-amino-5-phenoxyphenol from 4-nitrobiphenyl ether using nitrobenzene nitroreductase and hydroxylaminobenzene mutase from <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000, 24, 301-305.	1.4	28
82	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
83	Intrinsic Fluorescence Excitation-Emission Matrix Spectral Features of Cottonseed Protein Fractions and the Effects of Denaturants. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1489-1497.	0.8	27
84	Characterization of Organic Matter in Beef Feedyard Manure by Ultraviolet-Visible and Fourier Transform Infrared Spectroscopies. <i>Journal of Environmental Quality</i> , 2014, 43, 690-700.	1.0	27
85	Phosphorus Concentrations in Sequentially Fractionated Soil Samples as Affected by Digestion Methods. <i>Scientific Reports</i> , 2015, 5, 17967.	1.6	27
86	Effects of phosphorus-containing additives on soy and cottonseed protein as wood adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2017, 77, 51-57.	1.4	27
87	A Review of Cottonseed Protein Chemistry and Non-Food Applications. <i>Sustainable Chemistry</i> , 2020, 1, 256-274.	2.2	27
88	INSOLUBLE FE-ASSOCIATED INORGANIC AND ORGANIC PHOSPHATES IN ANIMAL MANURE AND SOIL. <i>Soil Science</i> , 2006, 171, 117-126.	0.9	26
89	Pilot-Scale Production of Washed Cottonseed Meal and Co-Products. <i>Modern Applied Science</i> , 2015, 10, 25.	0.4	26
90	Nitrogen and Phosphorus Accumulation in Pasture Soil from Repeated Poultry Litter Application. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 587-598.	0.6	25

#	ARTICLE	IF	CITATIONS
91	Cumulative and residual effects of different potato cropping system management strategies on soilborne diseases and soil microbial communities over time. <i>Plant Pathology</i> , 2017, 66, 437-449.	1.2	25
92	Three decades of changes in water environment of a large freshwater Lake and its relationship with socio-economic indicators. <i>Journal of Environmental Sciences</i> , 2019, 77, 156-166.	3.2	25
93	Impacts of Crop Rotation and Irrigation on Soilborne Diseases and Soil Microbial Communities. , 2012, , 23-41.		25
94	Effects of Organic Dairy Manure on Soil Phosphatase Activity, Available Soil Phosphorus, and Growth of Sorghum-Sudangrass. <i>Soil Science</i> , 2012, 177, 629-637.	0.9	24
95	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
96	Protein profiling of water and alkali soluble cottonseed protein isolates. <i>Scientific Reports</i> , 2018, 8, 9306.	1.6	24
97	Changes in Soil Phosphorus from Manure Application. <i>Soil Science Society of America Journal</i> , 2003, 67, 645.	1.2	24
98	Characterization of hydroxylaminobenzene mutase from pNBZ139 cloned from <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>FEBS Journal</i> , 2000, 267, 1110-1116.	0.2	23
99	Fourier Transform Infrared and Fluorescence Spectral Features of Organic Matter in Conventional and Organic Dairy Manure. <i>Journal of Environmental Quality</i> , 2012, 41, 911-919.	1.0	22
100	Enzymatic hydrolysis of organic phosphorus in extracts and resuspensions of swine manure and cattle manure. <i>Biology and Fertility of Soils</i> , 2003, 38, 78-83.	2.3	21
101	Distinction of Metal Species of Phytate by Solid-State Spectroscopic Techniques. <i>Soil Science Society of America Journal</i> , 2007, 71, 940-943.	1.2	21
102	Comparison of the Adhesive Performances of Soy Meal, Water Washed Meal Fractions, and Protein Isolates. <i>Modern Applied Science</i> , 2016, 10, 112.	0.4	21
103	Phosphorus Solubility of Agricultural Soils: A Surface Charge and Phosphorus-31 NMR Speciation Study. <i>Soil Science Society of America Journal</i> , 2011, 75, 1704-1711.	1.2	20
104	Spectroscopic Characteristics and Biodegradability of Cold and Hot Water-Extractable Soil Organic Matter under Different Land Uses in Subarctic Alaska. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 3030-3048.	0.6	20
105	Introduction to Biochar as an Agricultural and Environmental Amendment. <i>SSSA Special Publication Series</i> , 0, , 1-14.	0.2	20
106	Effects of Polyacrylamide-Based Super Absorbent Polymer and Corn Straw Biochar on the Arid and Semi-Arid Salinized Soil. <i>Agriculture (Switzerland)</i> , 2020, 10, 519.	1.4	20
107	Capillary Electrophoresis and Fluorescence Excitation-Emission Matrix Spectroscopy for Characterization of Humic Substances. <i>Soil Science Society of America Journal</i> , 2008, 72, 1248-1255.	1.2	19
108	Enzymatically and Ultraviolet-Labile Phosphorus in Humic Acid Fractions From Rice Soils. <i>Soil Science</i> , 2009, 174, 81-87.	0.9	19

#	ARTICLE	IF	CITATIONS
109	Protein and Fiber Profiles of Cottonseed from Upland Cotton with Different Fertilizations. <i>Modern Applied Science</i> , 2014, 8, .	0.4	19
110	Using dual isotopes and a Bayesian isotope mixing model to evaluate sources of nitrate of Tai Lake, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32631-32639.	2.7	19
111	Antioxidant activities of the water-soluble fractions of glandless and glanded cottonseed protein. <i>Food Chemistry</i> , 2020, 325, 126907.	4.2	19
112	One-step production of picolinic acids from 2-aminophenols catalyzed by 2-aminophenol 1,6-dioxygenase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000, 25, 25-28.	1.4	18
113	Manure Nitrogen Availability: Dairy Manure in Northeast and Central U.S. Soils. <i>Biological Agriculture and Horticulture</i> , 2005, 23, 199-214.	0.5	18
114	Enzymatic Quantification of Phytate in Animal Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 566-575.	0.6	18
115	Potato Growth and Yield Characteristics under Different Cropping System Management Strategies in Northeastern U.S.. <i>Agronomy</i> , 2021, 11, 165.	1.3	18
116	Reactions Involved in the Lower Pathway for Degradation of 4-Nitrotoluene by Mycobacterium Strain HL 4-NT-1. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3010-3015.	1.4	17
117	Capillary electrophoresis profiles and fluorophore components of humic acids in Nebraska corn and Philippine rice soils. <i>Geoderma</i> , 2010, 156, 143-151.	2.3	17
118	Characteristics of Soil Water-Soluble Organic C and N Under Different Land Uses in Alaska. <i>Soil Science</i> , 2012, 177, 683-694.	0.9	17
119	Characterizing the Labile Fraction of Dissolved Organic Matter in Leaf Leachates: Methods, Indicators, Structure, and Complexity. <i>SSSA Special Publication Series</i> , 0, , 237-274.	0.2	17
120	Potential traceable markers of organic matter in organic and conventional dairy manure using ultravioletâ€“visible and solid-state ¹³ C nuclear magnetic resonance spectroscopy. <i>Organic Agriculture</i> , 2015, 5, 113-122.	1.2	17
121	Characteristics of inorganic and organic phosphorus in Lake Sha sediments from a semiarid region, Northwest China: Sources and bioavailability. <i>Applied Geochemistry</i> , 2022, 137, 105209.	1.4	17
122	Use and Impact of Biochar and Charcoal in Animal Production Systems. <i>SSSA Special Publication Series</i> , 0, , 199-224.	0.2	16
123	Effects of pH and storage time on the adhesive and rheological properties of cottonseed mealâ€“based products. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	16
124	Chemical Composition and Thermogravimetric Behaviors of Glanded and Glandless Cottonseed Kernels. <i>Molecules</i> , 2022, 27, 316.	1.7	16
125	Molecular characterization of macrophyte-derived dissolved organic matters and their implications for lakes. <i>Science of the Total Environment</i> , 2018, 616-617, 602-613.	3.9	15
126	Poultry Litter Band Placement Affects Accessibility and Conservation of Nutrients and Cotton Yield. <i>Agronomy Journal</i> , 2018, 110, 675-684.	0.9	15

#	ARTICLE	IF	CITATIONS
127	Wood adhesive properties of cottonseed protein with denaturant additives. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 2657-2666.	1.4	14
128	Surface Characterization of Cottonseed Meal Products by SEM, SEM-EDS, XRD and XPS Analysis. <i>Journal of Materials Science Research</i> , 2017, 7, 28.	0.1	14
129	Chemical Characterization of Cotton Plant Parts for Multiple Uses. <i>Agricultural and Environmental Letters</i> , 2017, 2, 110044.	0.8	14
130	Adhesive Strength of Pilot-Scale-Produced Water-Washed Cottonseed Meal in Comparison with a Synthetic Glue for Non-Structural Interior Application. <i>Journal of Materials Science Research</i> , 2017, 6, 20.	0.1	14
131	Optimization and practical application of cottonseed meal-based wood adhesive formulations for small wood item bonding. <i>International Journal of Adhesion and Adhesives</i> , 2019, 95, 102448.	1.4	14
132	Soil Properties and Macro Cations Status impacted by Long-Term Applied Poultry Litter. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 858-872.	0.6	13
133	Inorganic and Enzymatically Hydrolyzable Organic Phosphorus of Alabama Decatur Silt Loam Soils Cropped With Upland Cotton. <i>Soil Science</i> , 2013, 178, 231-239.	0.9	13
134	Production and Characterization of Biochar from Agricultural By-Products: Overview and Use of Cotton Biomass Residues. <i>SSSA Special Publication Series</i> , 0, , 63-86.	0.2	13
135	Adhesive properties of water-washed cottonseed meal on four types of wood. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2109-2119.	1.4	13
136	Solid-State ¹³ C Nuclear Magnetic Resonance Spectroscopic Characterization of Soil Organic Matter Fractions in a Forest Ecosystem Subjected to Prescribed Burning and Thinning. <i>Pedosphere</i> , 2017, 27, 901-911.	2.1	13
137	Evaluation of polyblends of cottonseed protein and polycaprolactone plasticized by cottonseed oil. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 389-398.	0.9	13
138	Animal Manure Production and Utilization: Impact of Modern Concentrated Animal Feeding Operations. <i>ASA Special Publication</i> , 0, , 1-14.	0.8	13
139	Research and Application of Biochar in Europe. <i>SSSA Special Publication Series</i> , 0, , 409-422.	0.2	12
140	Quantity and Nature of Water-Extractable Organic Matter from Sandy Loam Soils with Potato Cropping Management. <i>Agricultural and Environmental Letters</i> , 2016, 1, 160023.	0.8	12
141	Effect of drying methods on the physicochemical properties and adhesion performance of water-washed cottonseed meal. <i>Industrial Crops and Products</i> , 2017, 109, 281-287.	2.5	12
142	Evaluation of wood bonding performance of water-washed cottonseed meal-based adhesives with high solid contents and low press temperatures. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 2620-2629.	1.4	12
143	Using solid ¹³ C NMR coupled with solution ³¹ P NMR spectroscopy to investigate molecular species and lability of organic carbon and phosphorus from aquatic plants in Tai Lake, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1880-1889.	2.7	12
144	Evaluation of adhesion properties of blends of cottonseed protein and anionic water-soluble polymers. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 66-78.	1.4	12

#	ARTICLE	IF	CITATIONS
145	Carbohydrate and Amino Acid Profiles of Cotton Plant Biomass Products. <i>Agriculture (Switzerland)</i> , 2020, 10, 2.	1.4	12
146	Role of metal complexation on the solubility and enzymatic hydrolysis of phytate. <i>PLoS ONE</i> , 2021, 16, e0255787.	1.1	12
147	Economic Potential of Compost Amendment as an Alternative to Irrigation in Maine Potato Production Systems. <i>American Journal of Plant Sciences</i> , 2013, 04, 238-245.	0.3	12
148	Agricultural and Environmental Applications of Biochar: Advances and Barriers. <i>SSSA Special Publication Series</i> , 0, , 495-504.	0.2	11
149	Biochar Application for Abandoned Mine Land Reclamation. <i>SSSA Special Publication Series</i> , 0, , 325-339.	0.2	11
150	Characterization of plant-derived carbon and phosphorus in lakes by sequential fractionation and NMR spectroscopy. <i>Science of the Total Environment</i> , 2016, 566-567, 1398-1409.	3.9	11
151	Characterization of phosphorus in algae from a eutrophic lake by solution ³¹ P nuclear magnetic resonance spectroscopy. <i>Limnology</i> , 2019, 20, 163-171.	0.8	11
152	Vicilin and legumin storage proteins are abundant in water and alkali soluble protein fractions of glandless cottonseed. <i>Scientific Reports</i> , 2021, 11, 9209.	1.6	11
153	Quantitative comparison of the storage protein distribution in glandless and glanded cottonseeds. <i>Agricultural and Environmental Letters</i> , 2022, 7, .	0.8	11
154	Labile Organic Matter in Soil Solution: II. Separation and Identification of Metabolites from Plant-Microbial Communication in Soil Solutions of Wheat Rhizospheres. <i>SSSA Special Publication Series</i> , 0, , 173-193.	0.2	10
155	Characteristics of Dissolved Organic Carbon Revealed by Ultraviolet-Visible Absorbance and Fluorescence Spectroscopy: The Current Status and Future Exploration. <i>SSSA Special Publication Series</i> , 2015, , 1-21.	0.2	10
156	Comparison of Phosphorus Forms in Three Extracts of Dairy Feces by Solution ³¹ P NMR Analysis. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 1698-1712.	0.6	10
157	Long-Term Cropping System, Tillage, and Poultry Litter Application Affect the Chemical Properties of an Alabama Ultisol. <i>Pedosphere</i> , 2019, 29, 180-194.	2.1	10
158	Characterization and sources of dissolved and particulate phosphorus in 10 freshwater lakes with different trophic statuses in China by solution ³¹ P nuclear magnetic resonance spectroscopy. <i>Ecological Research</i> , 2019, 34, 106-118.	0.7	10
159	Effects of inter-species chromosome substitution on cottonseed mineral and protein nutrition profiles. <i>Agronomy Journal</i> , 2020, 112, 3963-3974.	0.9	10
160	Comparison of the wood bonding performance of water- and alkali-soluble cottonseed protein fractions. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 1500-1517.	1.4	10
161	Considerations in Biochar Characterization. <i>SSSA Special Publication Series</i> , 0, , 87-100.	0.2	9
162	Research and Application of Biochar in North America. <i>SSSA Special Publication Series</i> , 0, , 475-494.	0.2	9

#	ARTICLE	IF	CITATIONS
163	Research and Application of Biochar in China. SSSA Special Publication Series, 2015, , 377-407.	0.2	9
164	Organic Animal Farming and Comparative Studies of Conventional and Organic Manures. ASA Special Publication, 0, , 165-182.	0.8	9
165	Surface and Thermal Characterization of Cotton Fibers of Phenotypes Differing in Fiber Length. Polymers, 2021, 13, 994.	2.0	9
166	Differences in Modified Morgan Phosphorus Levels Determined by Colorimetric and Inductively Coupled Plasma Methods. Open Journal of Soil Science, 2012, 02, 256-262.	0.3	9
167	Fourier transform infrared spectral features of plant biomass components during cotton organ development and their biological implications. Journal of Cotton Research, 2022, 5, .	1.0	9
168	Application of Biochar for Soil Physical Improvement. SSSA Special Publication Series, 0, , 101-122.	0.2	8
169	Aqueous Contaminant Removal and Stormwater Treatment Using Biochar. SSSA Special Publication Series, 0, , 341-376.	0.2	8
170	Survival potential of Phytophthora infestans sporangia in relation to environmental factors and late blight occurrence. Journal of Plant Protection Research, 2016, 56, 73-81.	1.0	8
171	Effects of Particle Size on the Morphology and Water- and Thermo-Resistance of Washed Cottonseed Meal-Based Wood Adhesives. Polymers, 2017, 9, 675.	2.0	8
172	Improving adhesion performance of cottonseed protein by the synergy of phosphoric acid and water soluble calcium salts. International Journal of Adhesion and Adhesives, 2021, 108, 102867.	1.4	8
173	Phosphorus Forms and Mineralization Potentials of Alabama Upland Cotton Production Soils Amended with Poultry Litter. , 2014, , 191-209.		8
174	Effects of Rheology and Viscosity of Bio-based Adhesives on Bonding Performance. , 2017, , 293-309.		8
175	Preparation and Utilization of Water Washed Cottonseed Meal as Wood Adhesives. , 2017, , 156-178.		8
176	Relationships of crop and soil management systems to meteorological variables and potato diseases on a Russet Burbank cultivar. J Agricultural Meteorology, 2014, 70, 91-104.	0.8	8
177	Long-Term Dynamics of Labile and Stable Phosphorus Following Poultry Litter Application to Pasture Soils. Communications in Soil Science and Plant Analysis, 2012, 43, 2835-2850.	0.6	7
178	Application of Biochar for Soil Biological Improvement. SSSA Special Publication Series, 0, , 145-173.	0.2	7
179	Preparation and Testing of Plant Seed Meal-based Wood Adhesives. Journal of Visualized Experiments, 2015, , .	0.2	7
180	Characteristics of Plant-Derived Water-Extractable Organic Matter and its Effects on Phosphorus Sorption Behavior. SSSA Special Publication Series, 0, , 99-118.	0.2	7

#	ARTICLE	IF	CITATIONS
181	Molecular level comparison of water extractives of maple and oak with negative and positive ion ESI FT-ICR mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2019, 54, 655-666.	0.7	7
182	Differential accumulation of heavy metals in soil profile and corn and soybean grains after 15-year poultry litter application under no-tillage. <i>Journal of Soils and Sediments</i> , 2022, 22, 844-858.	1.5	7
183	Novel organization of catechol meta pathway genes in the nitrobenzene degrader <i>Comamonas</i> sp. JS765 and its evolutionary implication. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 99-104.	1.4	6
184	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
185	Pyrogenic Organic Matter in Japanese Andosols: Occurrence, Transformation, and Function. <i>SSSA Special Publication Series</i> , 2015, , 29-62.	0.2	6
186	Water-Extractable Organic Carbon and Nitrogen Affected by Crop Rotation and Fertilizer Management. <i>SSSA Special Publication Series</i> , 0, , 119-135.	0.2	6
187	Fourier Transform Infrared and Solid State ¹³ C Nuclear Magnetic Resonance Spectroscopic Characterization of Defatted Cottonseed Meal-Based Biochars. <i>Modern Applied Science</i> , 2021, 15, 108.	0.4	6
188	Enzymatic hydrolysis of organic phosphorus in swine manure and soil. <i>Journal of Environmental Quality</i> , 2004, 33, 367-72.	1.0	6
189	Composition of Whole and Water-Extractable Organic Matter of Cattle Manure Affected by Management Practices. <i>SSSA Special Publication Series</i> , 2015, , 41-60.	0.2	5
190	Bioavailability and Preservation of Organic Phosphorus in Freshwater Sediments and Its Role in Lake Eutrophication. <i>SSSA Special Publication Series</i> , 2015, , 275-293.	0.2	5
191	Nitrogen and Phosphorus Characteristics of Beef and Dairy Manure. <i>ASA Special Publication</i> , 0, , 45-62.	0.8	5
192	The adsorption of phytate onto an Fe-Al-La trimetal composite adsorbent: kinetics, isotherms, mechanism and implication. <i>Environmental Science: Water Research and Technology</i> , 0, ,	1.2	5
193	Preparation of 2-aminomuconate from 2-aminophenol by coupled enzymatic dioxygenation and dehydrogenation reactions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1999, 23, 138-142.	1.4	4
194	Comparison of Soil Phosphorus Status and Organic Matter Composition in Potato Fields with Different Crop Rotation Systems. , 2012, , 61-79.		4
195	Characterization of Soil Humic Substances Using Mid-infrared Photoacoustic Spectroscopy. , 2013, , 43-47.		4
196	Pyrogenic Carbon in Terra Preta Soils. <i>SSSA Special Publication Series</i> , 2015, , 15-27.	0.2	4
197	Interaction Mechanisms between Biochar and Organic Pollutants. <i>SSSA Special Publication Series</i> , 2015, , 225-257.	0.2	4
198	Impacts of Biochar Amendment on Greenhouse Gas Emissions from Agricultural Soils. <i>SSSA Special Publication Series</i> , 0, , 259-293.	0.2	4

#	ARTICLE	IF	CITATIONS
199	Forms and Lability of Phosphorus in Humic and Fulvic Acids. SSSA Special Publication Series, 2015, , 61-77.	0.2	4
200	Preparation and evaluation of catfish protein as a wood adhesive. International Journal of Polymer Analysis and Characterization, 2021, 26, 60-67.	0.9	4
201	Modeling and Thermodynamic Analysis of the Water Sorption Isotherms of Cottonseed Products. Foundations, 2021, 1, 32-44.	0.4	4
202	Potato cropping system management strategy impacts soil physical, chemical, and biological properties over time. Soil and Tillage Research, 2021, 213, 105148.	2.6	4
203	Yield and nutrient removal of cottonâ€“cornâ€“soybean rotation systems fertilized with poultry litter. Agronomy Journal, 2021, 113, 5483-5498.	0.9	4
204	Thermosensitive textiles made from silver nanoparticle-filled brown cotton fibers. Nanoscale Advances, 2022, 4, 3725-3736.	2.2	4
205	Determination of Soil Organic Matter Features of Extractable Fractions Using Capillary Electrophoresis: An Organic Matter Stabilization Study in a Carbon-14-Labeled Long-Term Field Experiment. SSSA Special Publication Series, 2015, , 23-40.	0.2	3
206	Advances and Outlook of Manure Production and Management. ASA Special Publication, 0, , 373-383.	0.8	3
207	Early and Late Blight Potential on Russet Burbank Potato as Affected by Microclimate, Cropping Systems and Irrigation Management in Northeastern United States. , 2012, , 43-60.		3
208	Adhesive performance of cottonseed protein modified by catechol-containing compounds. Journal of Adhesion Science and Technology, 2022, 36, 1781-1793.	1.4	3
209	Soil Amino Compound and Carbohydrate Contents Influenced by Organic Amendments. , 2014, , 69-82.		3
210	Research and Application of Biochar in New Zealand. SSSA Special Publication Series, 2015, , 423-443.	0.2	2
211	Regional Considerations for Targeted Use of Biochar in Agriculture and Remediation in Australia. SSSA Special Publication Series, 0, , 445-474.	0.2	2
212	Structural and Functional Comparison of Mobile and Recalcitrant Humic Fractions from Agricultural Soils. SSSA Special Publication Series, 2015, , 79-98.	0.2	2
213	Chemical Evaluation of Soil Organic Matter Structure in Diverse Cropping Systems. SSSA Special Publication Series, 2015, , 195-217.	0.2	2
214	Utilization of Citric Acid in Wood Bonding. , 2017, , 221-238.		2
215	Pelletizing Animal Manures for On- and Off-Farm Use. ASA Special Publication, 2020, , 323-344.	0.8	1
216	Distribution and Biodegradability of Water Soluble Organic Carbon and Nitrogen in Subarctic Alaskan Soils Under Three Different Land Uses. , 2014, , 313-332.		1

#	ARTICLE	IF	CITATIONS
217	Elemental Composition and Functional Groups in Soil Labile Organic Matter Fractions. SSSA Special Publication Series, 2015, , 137-155.	0.2	0
218	Cloning, Characterization, and Expression of a Novel Gene Encoding a Reversible 4-Hydroxybenzoate Decarboxylase from <i>Clostridium hydroxybenzoicum</i> . Journal of Bacteriology, 1999, 181, 6856-6856.	1.0	0
219	Chapter 15. Bio-based Wood Adhesives Research Advances and Outlooks. , 2016, , 340-354.		0