

Zhongqi He

List of Publications by Citations

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216
papers

5,262
citations

40
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219
ext. papers

5,974
ext. citations

3.5
avg. IF

5.95
L-index

#	Paper	IF	Citations
216	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	10.3	167
215	Characterization of organic phosphorus in lake sediments by sequential fractionation and enzymatic hydrolysis. <i>Environmental Science & Technology</i> , 2013 , 47, 7679-87	10.3	116
214	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	1.5	116
213	Applied and Environmental Chemistry of Animal Manure: A Review. <i>Pedosphere</i> , 2016 , 26, 779-816	5	106
212	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	6	105
211	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	6.7	96
210	Spectral and Chemical Characterization of Phosphates Associated with Humic Substances. <i>Soil Science Society of America Journal</i> , 2006 , 70, 1741-1751	2.5	95
209	Enzymatic characterization of organic phosphorus in animal manure. <i>Journal of Environmental Quality</i> , 2001 , 30, 1685-92	3.4	93
208	Effects of different potato cropping system approaches and water management on soilborne diseases and soil microbial communities. <i>Phytopathology</i> , 2011 , 101, 58-67	3.8	91
207	Preparation and FT-IR characterization of metal phytate compounds. <i>Journal of Environmental Quality</i> , 2006 , 35, 1319-28	3.4	91
206	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	6.1	85
205	Purification and characterization of an oxygen-sensitive, reversible 3,4-dihydroxybenzoate decarboxylase from <i>Clostridium hydroxybenzoicum</i> . <i>Journal of Bacteriology</i> , 1996 , 178, 3539-43	3.5	78
204	Characterization of plant-derived water extractable organic matter by multiple spectroscopic techniques. <i>Biology and Fertility of Soils</i> , 2009 , 45, 609-616	6.1	77
203	Phosphorus in Poultry Litter and Soil: Enzymatic and Nuclear Magnetic Resonance Characterization. <i>Soil Science Society of America Journal</i> , 2008 , 72, 1425-1433	2.5	75
202	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	6.1	70
201	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	70
200	Phosphorus distribution in dairy manures. <i>Journal of Environmental Quality</i> , 2004 , 33, 1528-34	3.4	70

199	Purification and characterization of an oxygen-sensitive reversible 4-hydroxybenzoate decarboxylase from <i>Clostridium hydroxybenzoicum</i> . <i>FEBS Journal</i> , 1995 , 229, 77-82		68
198	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004 , 33, 367-372	3.4	66
197	Investigation of modified cottonseed protein adhesives for wood composites. <i>Industrial Crops and Products</i> , 2013 , 46, 399-403	5.9	64
196	Greener Adhesives composed of urea-formaldehyde resin and cottonseed meal for wood-based composites. <i>Journal of Cleaner Production</i> , 2018 , 187, 361-371	10.3	63
195	Comparison of Biochar Formation from Various Agricultural By-Products Using FTIR Spectroscopy. <i>Modern Applied Science</i> , 2014 , 9,	1.3	63
194	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	2.5	63
193	Manure composition affects net transformation of nitrogen from dairy manures. <i>Plant and Soil</i> , 2005 , 273, 29-38	4.2	63
192	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, 1086-95	3.4	62
191	Soy and cottonseed protein blends as wood adhesives. <i>Industrial Crops and Products</i> , 2016 , 85, 324-330	5.9	61
190	Changes in Soil Phosphorus from Manure Application. <i>Soil Science Society of America Journal</i> , 2003 , 67, 645-653	2.5	60
189	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	5.9	58
188	Phosphorus composition in sediments from seven different trophic lakes, China: a phosphorus-31 NMR study. <i>Journal of Environmental Quality</i> , 2009 , 38, 353-9	3.4	49
187	Chemical Composition of Defatted Cottonseed and Soy Meal Products. <i>PLoS ONE</i> , 2015 , 10, e0129933	3.7	47
186	Water-Extractable Soil Organic Carbon and Nitrogen Affected by Tillage and Manure Application. <i>Soil Science</i> , 2011 , 176, 307-312	0.9	47
185	Influence of natural organic matter on the bioavailability and preservation of organic phosphorus in lake sediments. <i>Chemical Geology</i> , 2015 , 397, 51-60	4.2	46
184	Sequential Fractionation of Cottonseed Meal to Improve Its Wood Adhesive Properties. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2014 , 91, 151-158	1.8	46
183	Hydrochloric Fractions in Hedley Fractionation May Contain Inorganic and Organic Phosphates. <i>Soil Science Society of America Journal</i> , 2006 , 70, 893-899	2.5	46
182	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	45

181	EVALUATION OF SOIL PHOSPHORUS TRANSFORMATIONS BY SEQUENTIAL FRACTIONATION AND PHOSPHATASE HYDROLYSIS. <i>Soil Science</i> , 2004 , 169, 515-527	0.9	42
180	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, 309-16	3	42
179	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, 4839-43	4.8	42
178	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, 5119-22	3.5	42
177	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	3.4	41
176	Mineral Composition of Cottonseed is Affected by Fertilization Management Practices. <i>Agronomy Journal</i> , 2013 , 105, 341-350	2.2	40
175	Phosphorus forms in conventional and organic dairy manure identified by solution and solid state p-31 NMR spectroscopy. <i>Journal of Environmental Quality</i> , 2009 , 38, 1909-18	3.4	40
174	Assessment and application of phosphorus/calcium-cottonseed protein adhesive for plywood production. <i>Journal of Cleaner Production</i> , 2019 , 229, 454-462	10.3	38
173	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	6.1	38
172	Legacy Phosphorus in Calcareous Soils: Effects of Long-Term Poultry Litter Application. <i>Soil Science Society of America Journal</i> , 2015 , 79, 1601-1614	2.5	37
171	An enzymatic hydrolysis approach for characterizing labile phosphorus forms in dairy manure under mild assay conditions. <i>Bioresource Technology</i> , 2006 , 97, 1660-8	11	37
170	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	3.4	36
169	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. <i>Soil Science</i> , 2010 , 175, 154-161	0.9	36
168	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, 2965-71	4.8	36
167	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	10.2	35
166	Soil Phosphorus Dynamics in Response to Poultry Manure Amendment. <i>Soil Science</i> , 2009 , 174, 195-201	0.9	35
165	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	5.9	35
164	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	9.3	34

163	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	1.5	34
162	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	2.5	33
161	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	33
160	A novel 2-aminomuconate deaminase in the nitrobenzene degradation pathway of <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Journal of Bacteriology</i> , 1998 , 180, 2502-6	3.5	33
159	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, 330-9	3	32
158	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	5.1	32
157	Bioavailability and preservation of organic phosphorus in lake sediments: Insights from enzymatic hydrolysis and P nuclear magnetic resonance. <i>Chemosphere</i> , 2018 , 211, 50-61	8.4	31
156	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004 , 33, 367	3.4	31
155	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	10.2	30
154	Links among nitrification, nitrifier communities, and edaphic properties in contrasting soils receiving dairy slurry. <i>Journal of Environmental Quality</i> , 2012 , 41, 262-72	3.4	29
153	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	1	29
152	Strategies for Aerobic Degradation of Nitroaromatic Compounds by Bacteria 2000 ,		29
151	Blending cottonseed meal products with different protein contents for cost-effective wood adhesive performances. <i>Industrial Crops and Products</i> , 2018 , 126, 31-37	5.9	28
150	Cottonseed protein-based wood adhesive reinforced with nanocellulose. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 1357-1368	2	27
149	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, 7288-97	5.1	27
148	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, 135-43	3.4	27
147	Purification, characterization, and sequence analysis of 2-aminomuconic 6-semialdehyde dehydrogenase from <i>Pseudomonas pseudoalcaligenes</i> JS45. <i>Journal of Bacteriology</i> , 1998 , 180, 4591-5	3.5	27
146	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	1.8	26

145	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	2.2	26
144	Effects of Vigorous Blending on Yield and Quality of Protein Isolates Extracted From Cottonseed and Soy Flours. <i>Modern Applied Science</i> , 2013 , 7,	1.3	26
143	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	10.2	26
142	Colloidal stability of FeO 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	9.3	25
141	Effect of Drying on Phosphorus Distribution in Poultry Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 1879-1895	1.5	25
140	Phosphorus Concentrations in Sequentially Fractionated Soil Samples as Affected by Digestion Methods. <i>Scientific Reports</i> , 2015 , 5, 17967	4.9	24
139	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	4.2	24
138	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	3.4	23
137	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	23
136	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	1.5	23
135	INSOLUBLE FE-ASSOCIATED INORGANIC AND ORGANIC PHOSPHATES IN ANIMAL MANURE AND SOIL. <i>Soil Science</i> , 2006 , 171, 117-126	0.9	23
134	Forms and Lability of Phosphorus in Algae and Aquatic Macrophytes Characterized by Solution P NMR Coupled with Enzymatic Hydrolysis. <i>Scientific Reports</i> , 2016 , 6, 37164	4.9	23
133	Pilot-Scale Production of Washed Cottonseed Meal and Co-Products. <i>Modern Applied Science</i> , 2015 , 10, 25	1.3	22
132	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	21
131	SOIL PHOSPHORUS DYNAMICS IN RESPONSE TO DAIRY MANURE AND INORGANIC FERTILIZER APPLICATIONS. <i>Soil Science</i> , 2006 , 171, 598-609	0.9	21
130	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, 2786-93	4.8	21
129	Characterization of hydroxylaminobenzene mutase from pNBZ139 cloned from <i>Pseudomonas pseudoalcaligenes</i> JS45. A highly associated SDS-stable enzyme catalyzing an intramolecular transfer of hydroxy groups. <i>FEBS Journal</i> , 2000 , 267, 1110-6		21
128	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	3.4	20

127	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	2.8	20
126	The Effects of Biochar Amendment on Soil Fertility. <i>SSSA Special Publication Series</i> , 2015 , 123-144	0	20
125	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	6.1	20
124	Changes in Soil Phosphorus From Manure Application. <i>Soil Science Society of America Journal</i> , 2003 , 67, 645	2.5	20
123	Impacts of Crop Rotation and Irrigation on Soilborne Diseases and Soil Microbial Communities 2012 , 23-41		20
122	Fourier transform infrared and fluorescence spectral features of organic matter in conventional and organic dairy manure. <i>Journal of Environmental Quality</i> , 2012 , 41, 911-9	3.4	19
121	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	2.5	18
120	Enzymatically and Ultraviolet-Labile Phosphorus in Humic Acid Fractions From Rice Soils. <i>Soil Science</i> , 2009 , 174, 81-87	0.9	18
119	Distinction of Metal Species of Phytate by Solid-State Spectroscopic Techniques. <i>Soil Science Society of America Journal</i> , 2007 , 71, 940-943	2.5	18
118	Manure Nitrogen Availability: Dairy Manure in Northeast and Central U.S. Soils. <i>Biological Agriculture and Horticulture</i> , 2005 , 23, 199-214	1.6	18
117	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	6	18
116	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	1.5	17
115	Capillary electrophoresis profiles and fluorophore components of humic acids in Nebraska corn and Philippine rice soils. <i>Geoderma</i> , 2010 , 156, 143-151	6.7	17
114	Enzymatic Quantification of Phytate in Animal Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 566-575	1.5	17
113	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	2.5	17
112	Application of Biochar for Soil Remediation. <i>SSSA Special Publication Series</i> , 2015 , 295-324	0	16
111	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	4.2	16
110	Comparison of the Adhesive Performances of Soy Meal, Water Washed Meal Fractions, and Protein Isolates. <i>Modern Applied Science</i> , 2016 , 10, 112	1.3	16

109	Potential traceable markers of organic matter in organic and conventional dairy manure using ultraviolet-visible and solid-state ¹³ C nuclear magnetic resonance spectroscopy. <i>Organic Agriculture</i> , 2015 , 5, 113-122	1.7	15
108	Protein and Fiber Profiles of Cottonseed from Upland Cotton with Different Fertilizations. <i>Modern Applied Science</i> , 2014 , 8,	1.3	15
107	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	15
106	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, 3010-5	4.8	15
105	Protein profiling of water and alkali soluble cottonseed protein isolates. <i>Scientific Reports</i> , 2018 , 8, 93064.9	4.9	15
104	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	1	14
103	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	6.4	14
102	Introduction to Biochar as an Agricultural and Environmental Amendment. <i>SSSA Special Publication Series</i> , 2015 , 1-14	0	14
101	Characterizing the Labile Fraction of Dissolved Organic Matter in Leaf Leachates: Methods, Indicators, Structure, and Complexity. <i>SSSA Special Publication Series</i> , 2015 , 237-274	0	14
100	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	5.1	14
99	Effects of pH and storage time on the adhesive and rheological properties of cottonseed meal-based products. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	13
98	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	5.9	12
97	Antioxidant activities of the water-soluble fractions of glandless and glanded cottonseed protein. <i>Food Chemistry</i> , 2020 , 325, 126907	8.5	12
96	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	12
95	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	0.5	12
94	A Review of Cottonseed Protein Chemistry and Non-Food Applications. <i>Sustainable Chemistry</i> , 2020 , 1, 256-274	3.6	12
93	Wood adhesive properties of cottonseed protein with denaturant additives. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 2657-2666	2	11
92	Adhesive properties of water-washed cottonseed meal on four types of wood. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 2109-2119	2	11

91	Use and Impact of Biochar and Charcoal in Animal Production Systems. <i>SSSA Special Publication Series</i> , 2015 , 199-224	0	11
90	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	2	11
89	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	10.2	11
88	Surface Characterization of Cottonseed Meal Products by SEM, SEM-EDS, XRD and XPS Analysis. <i>Journal of Materials Science Research</i> , 2017 , 7, 28	1	10
87	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	3.4	10
86	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	1.5	10
85	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	1.7	9
84	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	10.2	9
83	Production and Characterization of Biochar from Agricultural By-Products: Overview and Use of Cotton Biomass Residues. <i>SSSA Special Publication Series</i> , 2015 , 63-86	0	9
82	Biochar Application for Abandoned Mine Land Reclamation. <i>SSSA Special Publication Series</i> , 2015 , 325-339		9
81	Comparison of Phosphorus Forms in Three Extracts of Dairy Feces by Solution 31P NMR Analysis. <i>Communications in Soil Science and Plant Analysis</i> , 2015 , 46, 1698-1712	1.5	9
80	Differences in Modified Morgan Phosphorus Levels Determined by Colorimetric and Inductively Coupled Plasma Methods. <i>Open Journal of Soil Science</i> , 2012 , 02, 256-262	0.8	9
79	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	1.5	9
78	Potato Growth and Yield Characteristics under Different Cropping System Management Strategies in Northeastern U.S.. <i>Agronomy</i> , 2021 , 11, 165	3.6	9
77	Poultry Litter Band Placement Affects Accessibility and Conservation of Nutrients and Cotton Yield. <i>Agronomy Journal</i> , 2018 , 110, 675-684	2.2	9
76	Carbohydrate and Amino Acid Profiles of Cotton Plant Biomass Products. <i>Agriculture (Switzerland)</i> , 2020 , 10, 2	3	8
75	Chemical Characterization of Cotton Plant Parts for Multiple Uses. <i>Agricultural and Environmental Letters</i> , 2017 , 2, 110044	1.5	8
74	Solid-State 13C 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	5	8

73	Using solid C NMR coupled with solution 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	5.1	8
72	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	8
71	Effects of inter-species chromosome substitution on cottonseed mineral and protein nutrition profiles. <i>Agronomy Journal</i> , 2020 , 112, 3963-3974	2.2	7
70	Effects of Particle Size on the Morphology and Water- and Thermo-Resistance of Washed Cottonseed Meal-Based Wood Adhesives. <i>Polymers</i> , 2017 , 9,	4.5	7
69	Research and Application of Biochar in Europe. <i>SSSA Special Publication Series</i> , 2015 , 409-422	0	7
68	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> , 2015 , 173-193	0	7
67	Long-Term Dynamics of Labile and Stable Phosphorus Following Poultry Litter Application to Pasture Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2012 , 43, 2835-2850	1.5	7
66	Effects of Rheology and Viscosity of Bio-based Adhesives on Bonding Performance 2017 , 293-309		7
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21	Utilization of Citric Acid in Wood Bonding 2017 , 221-238		2
20	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> , 1	3.4	2

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17	Preparation and evaluation of catfish protein as a wood adhesive. <i>International Journal of Polymer Analysis and Characterization</i> , 2021 , 26, 60-67	1.7	2
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13	Research and Application of Biochar in New Zealand. <i>SSSA Special Publication Series</i> , 2015 , 423-443	0	1
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1 Chapter 15. Bio-based Wood Adhesives Research Advances and Outlooks **2016**, 340-354