

Zhongqi He

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

216
papers

5,262
citations

40
h-index

59
g-index

219
ext. papers

5,974
ext. citations

3.5
avg. IF

5.95
L-index

#	Paper	IF	Citations
216	Chemical Composition and Thermogravimetric Behaviors of Glanded and Glandless Cottonseed Kernels.. <i>Molecules</i> , 2022 , 27,	4.8	6
215	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	3.5	1
214	Quantitative comparison of the storage protein distribution in glandless and glanded cottonseeds. <i>Agricultural and Environmental Letters</i> , 2022 , 7,	1.5	3
213	Surface and Thermal Characterization of Cotton Fibers of Phenotypes Differing in Fiber Length. <i>Polymers</i> , 2021 , 13,	4.5	2
212	Vicilin and legumin storage proteins are abundant in water and alkali soluble protein fractions of glandless cottonseed. <i>Scientific Reports</i> , 2021 , 11, 9209	4.9	7
211	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	2	6
210	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
209	Potato Growth and Yield Characteristics under Different Cropping System Management Strategies in Northeastern U.S.. <i>Agronomy</i> , 2021 , 11, 165	3.6	9
208	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	1.3	2
207	Modeling and Thermodynamic Analysis of the Water Sorption Isotherms of Cottonseed Products. <i>Foundations</i> , 2021 , 1, 32-44		2
206	Improving adhesion performance of cottonseed protein by the synergy of phosphoric acid and water soluble calcium salts. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 108, 102867	3.4	3
205	Role of metal complexation on the solubility and enzymatic hydrolysis of phytate. <i>PLoS ONE</i> , 2021 , 16, e0255787	3.7	1
204	Potato cropping system management strategy impacts soil physical, chemical, and biological properties over time. <i>Soil and Tillage Research</i> , 2021 , 213, 105148	6.5	1
203	Advances and Outlook of Manure Production and Management. <i>ASA Special Publication</i> , 2020 , 373-383	1.1	1
202	Organic Animal Farming and Comparative Studies of Conventional and Organic Manures. <i>ASA Special Publication</i> , 2020 , 165-182	1.1	4
201	Nitrogen and Phosphorus Characteristics of Beef and Dairy Manure. <i>ASA Special Publication</i> , 2020 , 45-62	1.1	3
200	Animal Manure Production and Utilization: Impact of Modern Concentrated Animal Feeding Operations. <i>ASA Special Publication</i> , 2020 , 1-14	1.1	2

199	Pelletizing Animal Manures for On- and Off-Farm Use. <i>ASA Special Publication</i> , 2020 , 323-344	1.1	
198	Carbohydrate and Amino Acid Profiles of Cotton Plant Biomass Products. <i>Agriculture (Switzerland)</i> , 2020 , 10, 2	3	8
197	Effects of inter-species chromosome substitution on cottonseed mineral and protein nutrition profiles. <i>Agronomy Journal</i> , 2020 , 112, 3963-3974	2.2	7
196	Antioxidant activities of the water-soluble fractions of glandless and glanded cottonseed protein. <i>Food Chemistry</i> , 2020 , 325, 126907	8.5	12
195	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
194	A Review of Cottonseed Protein Chemistry and Non-Food Applications. <i>Sustainable Chemistry</i> , 2020 , 1, 256-274	3.6	12
193	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	3	6
192	Long-Term Cropping System, Tillage, and Poultry Litter Application Affect the Chemical Properties of an Alabama Ultisol. <i>Pedosphere</i> , 2019 , 29, 180-194	5	6
191	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	2.2	4
190	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
189	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
188	Cottonseed protein-based wood adhesive reinforced with nanocellulose. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 1357-1368	2	27
187	Water-Extractable Organic Carbon and Nitrogen Affected by Crop Rotation and Fertilizer Management. <i>SSSA Special Publication Series</i> , 2019 , 119-135	0	4
186	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
185	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
184	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	1.9	5
183	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
182	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

181	Characterization of phosphorus in algae from a eutrophic lake by solution ³¹ P nuclear magnetic resonance spectroscopy. <i>Limnology</i> , 2019 , 20, 163-171	1.7	6
180	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
179	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
178	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
177	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
176	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
175	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
174	Poultry Litter Band Placement Affects Accessibility and Conservation of Nutrients and Cotton Yield. <i>Agronomy Journal</i> , 2018 , 110, 675-684	2.2	9
173	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
172	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
171	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
170	Protein profiling of water and alkali soluble cottonseed protein isolates. <i>Scientific Reports</i> , 2018 , 8, 93064.9	4.9	15
169	Wood adhesive properties of cottonseed protein with denaturant additives. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 2657-2666	2	11
168	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
167	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
166	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
165	Chemical Characterization of Cotton Plant Parts for Multiple Uses. <i>Agricultural and Environmental Letters</i> , 2017 , 2, 110044	1.5	8
164	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

163	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	5	8
162	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	2	5
161	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
160	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
159	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
158	Effects of Rheology and Viscosity of Bio-based Adhesives on Bonding Performance 2017 , 293-309		7
157	Preparation and Utilization of Water Washed Cottonseed Meal as Wood Adhesives 2017 , 156-178		6
156	Utilization of Citric Acid in Wood Bonding 2017 , 221-238		2
155	Applied and Environmental Chemistry of Animal Manure: A Review. <i>Pedosphere</i> , 2016 , 26, 779-816	5	106
154	Survival potential of <i>Phytophthora infestans</i> sporangia in relation to environmental factors and late blight occurrence. <i>Journal of Plant Protection Research</i> , 2016 , 56, 73-81		4
153	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
152	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
151	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
150	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
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	Chapter 15. Bio-based Wood Adhesives Research Advances and Outlooks 2016 , 340-354		
147	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
146	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

145	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
144	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
143	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
142	Soy and cottonseed protein blends as wood adhesives. <i>Industrial Crops and Products</i> , 2016 , 85, 324-330	5.9	61
141	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
140	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
139	Phosphorus Concentrations in Sequentially Fractionated Soil Samples as Affected by Digestion Methods. <i>Scientific Reports</i> , 2015 , 5, 17967	4.9	24
138	Introduction to Biochar as an Agricultural and Environmental Amendment. <i>SSSA Special Publication Series</i> , 2015 , 1-14	0	14
137	Pyrogenic Carbon in Terra Preta Soils. <i>SSSA Special Publication Series</i> , 2015 , 15-27	0	3
136	Pyrogenic Organic Matter in Japanese Andosols: Occurrence, Transformation, and Function. <i>SSSA Special Publication Series</i> , 2015 , 29-62	0	4
135	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
134	Considerations in Biochar Characterization. <i>SSSA Special Publication Series</i> , 2015 , 87-100	0	3
133	Application of Biochar for Soil Physical Improvement. <i>SSSA Special Publication Series</i> , 2015 , 101-122	0	6
132	The Effects of Biochar Amendment on Soil Fertility. <i>SSSA Special Publication Series</i> , 2015 , 123-144	0	20
131	Application of Biochar for Soil Biological Improvement. <i>SSSA Special Publication Series</i> , 2015 , 145-173	0	2
130	Use and Impact of Biochar and Charcoal in Animal Production Systems. <i>SSSA Special Publication Series</i> , 2015 , 199-224	0	11
129	Research and Application of Biochar in North America. <i>SSSA Special Publication Series</i> , 2015 , 475-494	0	5
128	Agricultural and Environmental Applications of Biochar: Advances and Barriers. <i>SSSA Special Publication Series</i> , 2015 , 495-504	0	4

127	Interaction Mechanisms between Biochar and Organic Pollutants. <i>SSSA Special Publication Series</i> , 2015 , 225-257	0	2
126	Impacts of Biochar Amendment on Greenhouse Gas Emissions from Agricultural Soils. <i>SSSA Special Publication Series</i> , 2015 , 259-293	0	3
125	Biochar Application for Abandoned Mine Land Reclamation. <i>SSSA Special Publication Series</i> , 2015 , 325-339		9
124	Aqueous Contaminant Removal and Stormwater Treatment Using Biochar. <i>SSSA Special Publication Series</i> , 2015 , 341-376	0	3
123	Research and Application of Biochar in China. <i>SSSA Special Publication Series</i> , 2015 , 377-407	0	3
122	Research and Application of Biochar in Europe. <i>SSSA Special Publication Series</i> , 2015 , 409-422	0	7
121	Research and Application of Biochar in New Zealand. <i>SSSA Special Publication Series</i> , 2015 , 423-443	0	1
120	Regional Considerations for Targeted Use of Biochar in Agriculture and Remediation in Australia. <i>SSSA Special Publication Series</i> , 2015 , 445-474	0	1
119	Application of Biochar for Soil Remediation. <i>SSSA Special Publication Series</i> , 2015 , 295-324	0	16
118	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
117	Preparation and testing of plant seed meal-based wood adhesives. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	6
116	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
115	Pilot-Scale Production of Washed Cottonseed Meal and Co-Products. <i>Modern Applied Science</i> , 2015 , 10, 25	1.3	22
114	Chemical Composition of Defatted Cottonseed and Soy Meal Products. <i>PLoS ONE</i> , 2015 , 10, e0129933	3.7	47
113	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. <i>SSSA Special Publication Series</i> , 2015 , 23-40	0	2
112	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	4
111	Forms and Lability of Phosphorus in Humic and Fulvic Acids. <i>SSSA Special Publication Series</i> , 2015 , 61-77	0	4
110	Structural and Functional Comparison of Mobile and Recalcitrant Humic Fractions from Agricultural Soils. <i>SSSA Special Publication Series</i> , 2015 , 79-98	0	2

109	Characteristics of Plant-Derived Water-Extractable Organic Matter and its Effects on Phosphorus Sorption Behavior. <i>SSSA Special Publication Series</i> , 2015 , 99-118	0	4
108	Elemental Composition and Functional Groups in Soil Labile Organic Matter Fractions. <i>SSSA Special Publication Series</i> , 2015 , 137-155	0	
107	Chemical Evaluation of Soil Organic Matter Structure in Diverse Cropping Systems. <i>SSSA Special Publication Series</i> , 2015 , 195-217	0	2
106	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
105	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	4
104	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
103	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
102	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	1.5	9
101	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
100	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
99	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
98	Intrinsic Fluorescence Excitation-Emission Matrix Spectral Features of Cottonseed Protein Fractions and the Effects of Denaturants. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2014 , 91, 1489-1497	1.8	26
97	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
96	Comparison of Biochar Formation from Various Agricultural By-Products Using FTIR Spectroscopy. <i>Modern Applied Science</i> , 2014 , 9,	1.3	63
95	Protein and Fiber Profiles of Cottonseed from Upland Cotton with Different Fertilizations. <i>Modern Applied Science</i> , 2014 , 8,	1.3	15
94	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
93	Relationships of crop and soil management systems to meteorological variables and potato diseases on a Russet Burbank cultivar. <i>J Agricultural Meteorology</i> , 2014 , 70, 91-104	1.1	7
92	Phosphorus Forms and Mineralization Potentials of Alabama Upland Cotton Production Soils Amended with Poultry Litter 2014 , 191-209		7

91	Distribution and Biodegradability of Water Soluble Organic Carbon and Nitrogen in Subarctic Alaskan Soils Under Three Different Land Uses 2014 , 313-332		1
90	Soil Amino Compound and Carbohydrate Contents Influenced by Organic Amendments 2014 , 69-82		1
89	Investigation of modified cottonseed protein adhesives for wood composites. <i>Industrial Crops and Products</i> , 2013 , 46, 399-403	5.9	64
88	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
87	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
86	Characterization of Soil Humic Substances Using Mid-infrared Photoacoustic Spectroscopy 2013 , 43-47		3
85	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
84	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
83	Mineral Composition of Cottonseed is Affected by Fertilization Management Practices. <i>Agronomy Journal</i> , 2013 , 105, 341-350	2.2	40
82	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
81	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
80	Comparison of Soil Phosphorus Status and Organic Matter Composition in Potato Fields with Different Crop Rotation Systems 2012 , 61-79		4
79	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
78	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
77	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
76	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
75	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
74	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

73	Impacts of Crop Rotation and Irrigation on Soilborne Diseases and Soil Microbial Communities 2012 , 23-41		20
72	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		2
71	Water-Extractable Soil Organic Carbon and Nitrogen Affected by Tillage and Manure Application. <i>Soil Science</i> , 2011 , 176, 307-312	0.9	47
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. <i>Soil Science</i> , 2010 , 175, 154-161	0.9	36
61	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
60	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
59	Enzymatic Quantification of Phytate in Animal Manure. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 566-575	1.5	17
58	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
57	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
56	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

55	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
54	Enzymatically and Ultraviolet-Labile Phosphorus in Humic Acid Fractions From Rice Soils. <i>Soil Science</i> , 2009 , 174, 81-87	0.9	18
53	Soil Phosphorus Dynamics in Response to Poultry Manure Amendment. <i>Soil Science</i> , 2009 , 174, 195-201	0.9	35
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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	4.2	6
42	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
41	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
40	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
39	Preparation and FT-IR characterization of metal phytate compounds. <i>Journal of Environmental Quality</i> , 2006 , 35, 1319-28	3.4	91
38	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

37	INSOLUBLE FE-ASSOCIATED INORGANIC AND ORGANIC PHOSPHATES IN ANIMAL MANURE AND SOIL. <i>Soil Science</i> , 2006 , 171, 117-126	0.9	23
36	SOIL PHOSPHORUS DYNAMICS IN RESPONSE TO DAIRY MANURE AND INORGANIC FERTILIZER APPLICATIONS. <i>Soil Science</i> , 2006 , 171, 598-609	0.9	21
35	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
34	Manure composition affects net transformation of nitrogen from dairy manures. <i>Plant and Soil</i> , 2005 , 273, 29-38	4.2	63
33	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
32	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
31	Phosphorus distribution in dairy manures. <i>Journal of Environmental Quality</i> , 2004 , 33, 1528-34	3.4	70
30	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004 , 33, 367	3.4	31
29	Enzymatic Hydrolysis of Organic Phosphorus in Swine Manure and Soil. <i>Journal of Environmental Quality</i> , 2004 , 33, 367-372	3.4	66
28	EVALUATION OF SOIL PHOSPHORUS TRANSFORMATIONS BY SEQUENTIAL FRACTIONATION AND PHOSPHATASE HYDROLYSIS. <i>Soil Science</i> , 2004 , 169, 515-527	0.9	42
27	Enzymatic hydrolysis of organic phosphorus in swine manure and soil. <i>Journal of Environmental Quality</i> , 2004 , 33, 367-72	3.4	4
26	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
25	Changes in Soil Phosphorus from Manure Application. <i>Soil Science Society of America Journal</i> , 2003 , 67, 645-653	2.5	60
24	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
23	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
22	Changes in Soil Phosphorus from Manure Application. <i>Soil Science Society of America Journal</i> , 2003 , 67, 645	2.5	20
21	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
20	Enzymatic characterization of organic phosphorus in animal manure. <i>Journal of Environmental Quality</i> , 2001 , 30, 1685-92	3.4	93

19	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
18	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
17	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
16	Reactions involved in the lower pathway for degradation of 4-nitrotoluene by <i>Mycobacterium</i> strain HL 4-NT-1. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 3010-5	4.8	15
15	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
14	Strategies for Aerobic Degradation of Nitroaromatic Compounds by Bacteria 2000 ,		29
13	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	4.2	3
12	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
11	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
10	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
9	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, 6856-6856	3.5	
8	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
7	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
6	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
5	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
4	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
3	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
2	Adhesive performance of cottonseed protein modified by catechol-containing compounds. <i>Journal of Adhesion Science and Technology</i> ,1-13		2

- 1 The adsorption of phytate onto an FeAlCu trimetal composite adsorbent: kinetics, isotherms, mechanism and implication. *Environmental Science: Water Research and Technology*,

4.2 1