

Q Y Huang

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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.

246
papers

5,246
citations

40
h-index

58
g-index

255
ext. papers

6,851
ext. citations

6.7
avg, IF

6.26
L-index

#	Paper	IF	Citations
246	Immobilization and phytotoxicity of Cd in contaminated soil amended with chicken manure compost. <i>Journal of Hazardous Materials</i> , 2009 , 163, 563-7	12.8	179
245	Adsorption of <i>Pseudomonas putida</i> on clay minerals and iron oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007 , 54, 217-21	6	137
244	Preferential adsorption of extracellular polymeric substances from bacteria on clay minerals and iron oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 122-7	6	131
243	Interaction of <i>Pseudomonas putida</i> with kaolinite and montmorillonite: a combination study by equilibrium adsorption, ITC, SEM and FTIR. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 64, 49-55	6	124
242	Fractionation of copper and cadmium and their binding with soil organic matter in a contaminated soil amended with organic materials. <i>Journal of Soils and Sediments</i> , 2010 , 10, 973-982	3.4	105
241	Atomic force microscopy measurements of bacterial adhesion and biofilm formation onto clay-sized particles. <i>Scientific Reports</i> , 2015 , 5, 16857	4.9	97
240	Role of extracellular polymeric substances in Cu(II) adsorption on <i>Bacillus subtilis</i> and <i>Pseudomonas putida</i> . <i>Bioresource Technology</i> , 2011 , 102, 1137-41	11	96
239	Microcalorimetric and potentiometric titration studies on the adsorption of copper by extracellular polymeric substances (EPS), minerals and their composites. <i>Bioresource Technology</i> , 2010 , 101, 5774-9	11	90
238	Deposition and survival of <i>Escherichia coli</i> O157:H7 on clay minerals in a parallel plate flow system. <i>Environmental Science & Technology</i> , 2013 , 47, 1896-903	10.3	86
237	Reactions between bacterial exopolymers and goethite: A combined macroscopic and spectroscopic investigation. <i>Water Research</i> , 2012 , 46, 5613-5620	12.5	81
236	Effects of copper on the activity and kinetics of free and immobilized acid phosphatase. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1885-1892	7.5	71
235	Adhesion of bacterial pathogens to soil colloidal particles: influences of cell type, natural organic matter, and solution chemistry. <i>Water Research</i> , 2014 , 53, 35-46	12.5	69
234	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019 , 131, 104995	12.9	67
233	Mechanism of negative surface charge formation on biochar and its effect on the fixation of soil Cd. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121370	12.8	67
232	Initial adhesion of <i>Bacillus subtilis</i> on soil minerals as related to their surface properties. <i>European Journal of Soil Science</i> , 2012 , 63, 457-466	3.4	66
231	Binding of Cd by ferrihydrite organo-mineral composites: Implications for Cd mobility and fate in natural and contaminated environments. <i>Chemosphere</i> , 2018 , 207, 404-412	8.4	65
230	<i>Pseudomonas putida</i> adhesion to goethite: studied by equilibrium adsorption, SEM, FTIR and ITC. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 79-85	6	62

229	Influence of extracellular polymeric substances on the aggregation kinetics of TiO nanoparticles. <i>Water Research</i> , 2016 , 104, 381-388	12.5	61
228	Enhanced visible light photocatalytic activity of TiO ₂ assisted by organic semiconductors: a structure optimization strategy of conjugated polymers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 153-159	13	59
227	biofilm development in the presence of soil clay minerals and iron oxides. <i>Npj Biofilms and Microbiomes</i> , 2017 , 3, 4	8.2	58
226	Bacterial cell surface properties: role of loosely bound extracellular polymeric substances (LB-EPS). <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 600-607	6	57
225	Competitive adsorption of Pb and Cd on bacteria-montmorillonite composite. <i>Environmental Pollution</i> , 2016 , 218, 168-175	9.3	57
224	Role of pH and ionic strength in the aggregation of TiO nanoparticles in the presence of extracellular polymeric substances from <i>Bacillus subtilis</i> . <i>Environmental Pollution</i> , 2017 , 228, 35-42	9.3	53
223	Impact of cell wall structure on the behavior of bacterial cells in the binding of copper and cadmium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 347, 50-55	5.1	52
222	Microcalorimetric studies of the effects of MgCl ₂ concentrations and pH on the adsorption of DNA on montmorillonite, kaolinite and goethite. <i>Applied Clay Science</i> , 2006 , 32, 147-152	5.2	52
221	Interactions of EPS with soil minerals: A combination study by ITC and CLSM. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 138, 10-6	6	50
220	Biosorption of cadmium by a metal-resistant filamentous fungus isolated from chicken manure compost. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1661-70	2.6	50
219	Microcalorimetric and potentiometric titration studies on the adsorption of copper by <i>P. putida</i> and <i>B. thuringiensis</i> and their composites with minerals. <i>Journal of Hazardous Materials</i> , 2010 , 181, 1031-8	12.8	49
218	Adsorption, desorption and activities of acid phosphatase on various colloidal particles from an Ultisol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 45, 209-14	6	49
217	The effect of extracellular polymeric substances on the adhesion of bacteria to clay minerals and goethite. <i>Chemical Geology</i> , 2013 , 360-361, 118-125	4.2	48
216	Isolation and Identification of Three Potassium-Solubilizing Bacteria from Rape Rhizospheric Soil and Their Effects on Ryegrass. <i>Geomicrobiology Journal</i> , 2017 , 34, 873-880	2.5	47
215	Contrasting responses of bacterial and fungal communities to aggregate-size fractions and long-term fertilizations in soils of northeastern China. <i>Science of the Total Environment</i> , 2018 , 635, 784-792	10.2	47
214	Biosorption mechanisms of Cu(II) by extracellular polymeric substances from <i>Bacillus subtilis</i> . <i>Chemical Geology</i> , 2014 , 386, 143-151	4.2	45
213	Characterization of a phenanthrene-degrading microbial consortium enriched from petrochemical contaminated environment. <i>International Biodeterioration and Biodegradation</i> , 2016 , 115, 286-292	4.8	43
212	Cd(II) Sorption on Montmorillonite-Humic acid-Bacteria Composites. <i>Scientific Reports</i> , 2016 , 6, 19499	4.9	43

211	Adsorption of Copper and Cadmium by Cu- and Cd-Resistant Bacteria and Their Composites with Soil Colloids and Kaolinite. <i>Geomicrobiology Journal</i> , 2005 , 22, 227-236	2.5	41
210	Migration and Transformation Mechanisms of Nutrient Elements (N, P, K) within Biochar in Straw-Biochar-Soil-Plant Systems: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 22-32	8.3	41
209	Efficient catalytic As(III) oxidation on the surface of ferrihydrite in the presence of aqueous Mn(II). <i>Water Research</i> , 2018 , 128, 92-101	12.5	40
208	Efficient Photocatalytic Disinfection of Escherichia coli O157:H7 using C70-TiO ₂ Hybrid under Visible Light Irradiation. <i>Scientific Reports</i> , 2016 , 6, 25702	4.9	40
207	Microcalorimetric investigation on the metabolic activity of Bacillus thuringiensis as influenced by kaolinite, montmorillonite and goethite. <i>Applied Clay Science</i> , 2007 , 38, 97-103	5.2	40
206	Characterization of Cd biosorption by Pseudomonas sp. strain 375, a novel biosorbent isolated from soil polluted with heavy metals in Southern China. <i>Chemosphere</i> , 2020 , 240, 124893	8.4	40
205	Nitrospira are more sensitive than Nitrobacter to land management in acid, fertilized soils of a rapeseed-rice rotation field trial. <i>Science of the Total Environment</i> , 2017 , 599-600, 135-144	10.2	39
204	Soil biofilm formation enhances microbial community diversity and metabolic activity. <i>Environment International</i> , 2019 , 132, 105116	12.9	38
203	Sorption of Pb(II) by Nanosized Ferrihydrite Organo-Mineral Composites Formed by Adsorption versus Coprecipitation. <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 556-564	3.2	38
202	Morphology, pore size distribution, and nutrient characteristics in biochars under different pyrolysis temperatures and atmospheres. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 1036-1049	3.4	38
201	Shifts in Nitrobacter- and Nitrospira-like nitrite-oxidizing bacterial communities under long-term fertilization practices. <i>Soil Biology and Biochemistry</i> , 2018 , 124, 118-125	7.5	38
200	A Comparative Study on the Biosorption of Cd ²⁺ onto Paecilomyces lilacinus XLA and Mucoromycote sp. XLC. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 15670-87	6.3	38
199	Microbial communities play important roles in modulating paddy soil fertility. <i>Scientific Reports</i> , 2016 , 6, 20326	4.9	37
198	Recent advances in microbial electrochemical system for soil bioremediation. <i>Chemosphere</i> , 2018 , 211, 156-163	8.4	36
197	Soil biofilms: microbial interactions, challenges, and advanced techniques for ex-situ characterization. <i>Soil Ecology Letters</i> , 2019 , 1, 85-93	2.7	35
196	C-di-GMP regulates the expression of lapA and bcs operons via FleQ in Pseudomonas putida KT2440. <i>Environmental Microbiology Reports</i> , 2016 , 8, 659-666	3.7	33
195	Adsorption of Pseudomonas putida on soil particle size fractions: effects of solution chemistry and organic matter. <i>Journal of Soils and Sediments</i> , 2012 , 12, 143-149	3.4	33
194	Integrating amino groups within conjugated microporous polymers by versatile thiol-ene coupling for light-driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16277-16284	13	32

193	Contributions and mechanisms of components in modified biochar to adsorb cadmium in aqueous solution. <i>Science of the Total Environment</i> , 2020 , 733, 139320	10.2	32
192	Metal-free inactivation of <i>E. coli</i> O157:H7 by fullerene/CN hybrid under visible light irradiation. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 136, 40-45	7	32
191	Effects of long term rice straw application on the microbial communities of rapeseed rhizosphere in a paddy-upland rotation system. <i>Science of the Total Environment</i> , 2016 , 557-558, 231-9	10.2	32
190	Molecular investigation on the binding of Cd(II) by the binary mixtures of montmorillonite with two bacterial species. <i>Environmental Pollution</i> , 2017 , 229, 871-878	9.3	31
189	Preparation of biochar with high absorbability and its nutrient adsorption-desorption behaviour. <i>Science of the Total Environment</i> , 2019 , 694, 133728	10.2	30
188	Influence of (p)ppGpp on biofilm regulation in <i>Pseudomonas putida</i> KT2440. <i>Microbiological Research</i> , 2017 , 204, 1-8	5.3	30
187	Soil Colloids and Minerals Modulate Metabolic Activity of <i>Pseudomonas putida</i> Measured Using Microcalorimetry. <i>Geomicrobiology Journal</i> , 2014 , 31, 590-596	2.5	30
186	Ureolytic microbial community is modulated by fertilization regimes and particle-size fractions in a Black soil of Northeastern China. <i>Soil Biology and Biochemistry</i> , 2018 , 116, 171-178	7.5	30
185	Pb sorption on montmorillonite-bacteria composites: A combination study by XAFS, ITC and SCM. <i>Chemosphere</i> , 2018 , 200, 427-436	8.4	29
184	Role of <i>Penicillium chrysogenum</i> XJ-1 in the Detoxification and Bioremediation of Cadmium. <i>Frontiers in Microbiology</i> , 2015 , 6, 1422	5.7	29
183	Role of novel bacterial <i>Raoultella</i> sp. strain X13 in plant growth promotion and cadmium bioremediation in soil. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 3887-3897	5.7	28
182	Genetically engineered <i>Pseudomonas putida</i> X3 strain and its potential ability to bioremediate soil microcosms contaminated with methyl parathion and cadmium. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1987-1997	5.7	27
181	Adhesion of <i>Pseudomonas putida</i> onto kaolinite at different growth phases. <i>Chemical Geology</i> , 2014 , 390, 1-8	4.2	27
180	Soil microbial augmentation by an EGFP-tagged <i>Pseudomonas putida</i> X4 to reduce phytoavailable cadmium. <i>International Biodeterioration and Biodegradation</i> , 2012 , 71, 55-60	4.8	27
179	Pathways of birnessite formation in alkali medium. <i>Science in China Series D: Earth Sciences</i> , 2005 , 48, 1438-1451		27
178	Towards a better understanding of <i>Pseudomonas putida</i> biofilm formation in the presence of ZnO nanoparticles (NPs): Role of NP concentration. <i>Environment International</i> , 2020 , 137, 105485	12.9	26
177	Nitrite-Oxidizing Bacteria Community Composition and Diversity Are Influenced by Fertilizer Regimes, but Are Independent of the Soil Aggregate in Acidic Subtropical Red Soil. <i>Frontiers in Microbiology</i> , 2018 , 9, 885	5.7	26
176	Effects of humic acid on the interactions between zinc oxide nanoparticles and bacterial biofilms. <i>Environmental Pollution</i> , 2017 , 231, 1104-1111	9.3	26

175	The exopolysaccharide-eDNA interaction modulates 3D architecture of <i>Bacillus subtilis</i> biofilm. <i>BMC Microbiology</i> , 2020 , 20, 115	4.5	25
174	Iron mineral-humic acid complex enhanced Cr(VI) reduction by <i>Shewanella oneidensis</i> MR-1. <i>Chemosphere</i> , 2020 , 247, 125902	8.4	25
173	Impact of soil clay minerals on growth, biofilm formation, and virulence gene expression of <i>Escherichia coli</i> O157:H7. <i>Environmental Pollution</i> , 2018 , 243, 953-960	9.3	25
172	Competitive sorption of Cu and Cr on goethite and goethite-bacteria complex. <i>Chemical Engineering Journal</i> , 2012 , 179, 26-32	14.7	24
171	Recent advances in exploring the heavy metal(loid) resistant microbiome. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 94-109	6.8	24
170	Modeling of Cd adsorption to goethite-bacteria composites. <i>Chemosphere</i> , 2018 , 193, 943-950	8.4	24
169	Size-Dependent Bacterial Toxicity of Hematite Particles. <i>Environmental Science & Technology</i> , 2019 , 53, 8147-8156	10.3	23
168	EPS adsorption to goethite: Molecular level adsorption mechanisms using 2D correlation spectroscopy. <i>Chemical Geology</i> , 2018 , 494, 127-135	4.2	23
167	Copper adsorption on composites of goethite, cells of <i>Pseudomonas putida</i> and humic acid. <i>European Journal of Soil Science</i> , 2017 , 68, 514-523	3.4	21
166	Field evaluation of intensive compost application on Cd fractionation and phytoavailability in a mining-contaminated soil. <i>Environmental Geochemistry and Health</i> , 2016 , 38, 1193-1201	4.7	21
165	Long-term straw returning affects <i>Nitrospira</i> -like nitrite oxidizing bacterial community in a rapeseed-rice rotation soil. <i>Journal of Basic Microbiology</i> , 2017 , 57, 309-315	2.7	21
164	Effects of polyphosphates and orthophosphate on the dissolution and transformation of ZnO nanoparticles. <i>Chemosphere</i> , 2017 , 176, 255-265	8.4	20
163	Influence mechanisms of long-term fertilizations on the mineralization of organic matter in Ultisol. <i>Soil and Tillage Research</i> , 2020 , 201, 104594	6.5	20
162	Interfacial interaction between methyl parathion-degrading bacteria and minerals is important in biodegradation. <i>Biodegradation</i> , 2014 , 25, 1-9	4.1	20
161	Fertilization rather than aggregate size fractions shape the nitrite-oxidizing microbial community in a Mollisol. <i>Soil Biology and Biochemistry</i> , 2018 , 124, 179-183	7.5	20
160	Soil aggregate fractionation and phosphorus fraction driven by long-term fertilization regimes affect the abundance and composition of P-cycling-related bacteria. <i>Soil and Tillage Research</i> , 2020 , 196, 104475	6.5	20
159	In situ ATR-FTIR study on the adhesion of <i>Pseudomonas putida</i> to Red soil colloids. <i>Journal of Soils and Sediments</i> , 2014 , 14, 504-514	3.4	19
158	Surface complexation modeling of Cd(II) sorption to montmorillonite, bacteria, and their composite. <i>Biogeosciences</i> , 2016 , 13, 5557-5566	4.6	19

157	Glyphosate adsorption onto kaolinite and kaolinite-humic acid composites: Experimental and molecular dynamics studies. <i>Chemosphere</i> , 2021 , 263, 127979	8.4	19
156	Mechanistic study of the influence of pyrolysis conditions on potassium speciation in biochar "preparation-application" process. <i>Science of the Total Environment</i> , 2017 , 599-600, 207-216	10.2	18
155	Contrasting effects of extracellular polymeric substances on the surface characteristics of bacterial pathogens and cell attachment to soil particles. <i>Chemical Geology</i> , 2015 , 410, 79-88	4.2	18
154	Surface display of monkey metallothionein tandem repeats and EGFP fusion protein on <i>Pseudomonas putida</i> X4 for biosorption and detection of cadmium. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 1605-13	5.7	18
153	Effects of Temperature, pH and Salt Concentrations on the Adsorption of <i>Bacillus subtilis</i> on Soil Clay Minerals Investigated by Microcalorimetry. <i>Geomicrobiology Journal</i> , 2011 , 28, 686-691	2.5	18
152	Co-adsorption of Cd(II) and Sb(III) by ferrihydrite: a combined XPS and ITC study. <i>Journal of Soils and Sediments</i> , 2019 , 19, 1319-1327	3.4	18
151	Competitive binding of Cd, Ni and Cu on goethite organo-mineral composites made with soil bacteria. <i>Environmental Pollution</i> , 2018 , 243, 444-452	9.3	18
150	Metabolism, survival, and gene expression of <i>Pseudomonas putida</i> to hematite nanoparticles mediated by surface-bound humic acid. <i>Environmental Science: Nano</i> , 2018 , 5, 682-695	7.1	17
149	Effects of Solution Chemistry on Bacterial Adhesion with Phyllosilicates and Goethite Explained by the Extended DLVO Theory. <i>Geomicrobiology Journal</i> , 2014 , 31, 419-430	2.5	17
148	Aging shapes the distribution of copper in soil aggregate size fractions. <i>Environmental Pollution</i> , 2018 , 233, 569-576	9.3	17
147	Microbial Communities Associated with Methylmercury Degradation in Paddy Soils. <i>Environmental Science & Technology</i> , 2020 , 54, 7952-7960	10.3	16
146	Cadmium adsorption on bacteria-mineral mixtures: effect of naturally occurring ligands. <i>European Journal of Soil Science</i> , 2016 , 67, 641-649	3.4	16
145	Surface complexation modeling of Cu(II) sorption to montmorillonite-bacteria composites. <i>Science of the Total Environment</i> , 2017 , 607-608, 1408-1418	10.2	16
144	Composition and transformation of 1.4 nm minerals in cutan and matrix of alfisols in central China. <i>Journal of Soils and Sediments</i> , 2007 , 7, 240-246	3.4	16
143	Spatial differences in soil microbial diversity caused by pH-driven organic phosphorus mineralization. <i>Land Degradation and Development</i> , 2021 , 32, 766-776	4.4	16
142	Increasing molecular structural complexity and decreasing nitrogen availability depress the mineralization of organic matter in subtropical forest soils. <i>Soil Biology and Biochemistry</i> , 2017 , 108, 91-100	7.5	15
141	Sorption of Cu by humic acid from the decomposition of rice straw in the absence and presence of clay minerals. <i>Journal of Environmental Management</i> , 2017 , 200, 304-311	7.9	15
140	Structure and biodegradability of dissolved organic matter from Ultisol treated with long-term fertilizations. <i>Journal of Soils and Sediments</i> , 2018 , 18, 1865-1872	3.4	15

139	Towards a better understanding of the aggregation mechanisms of iron (hydr)oxide nanoparticles interacting with extracellular polymeric substances: Role of pH and electrolyte solution. <i>Science of the Total Environment</i> , 2018 , 645, 372-379	10.2	15
138	Desorption of myo-inositol hexakisphosphate and phosphate from goethite by different reagents. <i>Journal of Plant Nutrition and Soil Science</i> , 2015 , 178, 878-887	2.3	15
137	Sorption of <i>Streptococcus suis</i> on various soil particles from an Alfisol and effects on pathogen metabolic activity. <i>European Journal of Soil Science</i> , 2012 , 63, 558-564	3.4	15
136	A manganese-oxidizing bacterial consortium and its biogenic Mn oxides for dye decolorization and heavy metal adsorption. <i>Chemosphere</i> , 2020 , 253, 126627	8.4	14
135	Biosorption Performance of Multimetal Resistant Fungus <i>Penicillium chrysogenum</i> XJ-1 for Removal of Cu ²⁺ and Cr ⁶⁺ from Aqueous Solutions. <i>Geomicrobiology Journal</i> , 2018 , 35, 40-49	2.5	14
134	Influence of pyrolysis conditions on nitrogen speciation in a biochar preparation-application process. <i>Journal of the Energy Institute</i> , 2018 , 91, 916-926	5.7	14
133	Effects of humic acid on adhesion of <i>Bacillus subtilis</i> to phyllosilicates and goethite. <i>Chemical Geology</i> , 2015 , 416, 19-27	4.2	14
132	Dispersal limitation driving phoD-harboring bacterial community assembly: A potential indicator for ecosystem multifunctionality in long-term fertilized soils. <i>Science of the Total Environment</i> , 2021 , 754, 141960	10.2	14
131	Survival of <i>Escherichia coli</i> O157:H7 in various soil particles: importance of the attached bacterial phenotype. <i>Biology and Fertility of Soils</i> , 2017 , 53, 209-219	6.1	13
130	Influence of low molecular weight anionic ligands on the sorption of heavy metals by soil constituents: a review. <i>Environmental Chemistry Letters</i> , 2019 , 17, 1271-1280	13.3	13
129	Comparative Analysis of Mechanisms of Cd ²⁺ and Ni ²⁺ Biosorption by Living and Nonliving <i>Mucoromycote</i> sp. XLC. <i>Geomicrobiology Journal</i> , 2016 , 33, 274-282	2.5	13
128	Estimation of enzymatic, microbial, and chemical properties in Brown soil by microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 969-988	4.1	13
127	InbR, a TetR family regulator, binds with isoniazid and influences multidrug resistance in <i>Mycobacterium bovis</i> BCG. <i>Scientific Reports</i> , 2015 , 5, 13969	4.9	13
126	Microcalorimetric evaluation of soil microbiological properties under plant residues and dogmatic water gradients in Red soil. <i>Soil Science and Plant Nutrition</i> , 2013 , 59, 858-870	1.6	13
125	Conformation, activity and proteolytic stability of acid phosphatase on clay minerals and soil colloids from an Alfisol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 279-83	6	13
124	Outer Membrane -Type Cytochromes OmcA and MtrC Play Distinct Roles in Enhancing the Attachment of MR-1 Cells to Goethite. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	13
123	Soil aggregate size-dependent relationships between microbial functional diversity and multifunctionality. <i>Soil Biology and Biochemistry</i> , 2021 , 154, 108143	7.5	13
122	Detoxification of hexavalent chromate by growing <i>Paecilomyces lilacinus</i> XLA. <i>Environmental Pollution</i> , 2017 , 225, 47-54	9.3	12

121	Extraction of extracellular polymeric substances (EPS) from red soils (Ultisols). <i>Soil Biology and Biochemistry</i> , 2019 , 135, 283-285	7.5	12
120	Immobilization and phytotoxicity of Pb in contaminated soil amended with polyglutamic acid, phosphate rock, and polyglutamic acid-activated phosphate rock. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2661-7	5.1	12
119	Effects of pyrolysis conditions on migration and distribution of biochar nitrogen in the soil-plant-atmosphere system. <i>Science of the Total Environment</i> , 2020 , 723, 138006	10.2	12
118	Cd sequestration by bacteria-aluminum hydroxide composites. <i>Chemosphere</i> , 2018 , 198, 75-82	8.4	12
117	Mechanism of cadmium removal from soil by silicate composite biochar and its recycling. <i>Journal of Hazardous Materials</i> , 2021 , 409, 125022	12.8	12
116	Bio-organic stabilizing agent shows promising prospect for the stabilization of cadmium in contaminated farmland soil. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 23399-23406	5.1	11
115	Manure fertilizes alter the nitrite oxidizer and comammox community composition and increase nitrification rates. <i>Soil and Tillage Research</i> , 2020 , 204, 104701	6.5	11
114	Synergistic effect of biofilm growth and cadmium adsorption via compositional changes of extracellular matrix in montmorillonite system. <i>Bioresource Technology</i> , 2020 , 315, 123742	11	11
113	Sorption of humic acid on Fe oxides, bacteria, and Fe oxide-bacteria composites. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1378-1384	3.4	11
112	The Role of CzcRS Two-Component Systems in the Heavy Metal Resistance of <i>Pseudomonas putida</i> X4. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 17005-17	6.3	11
111	Adsorption of insecticidal toxin from <i>Bacillus thuringiensis</i> subsp. <i>Kurstaki</i> by some Chinese soils: effects of organic acid ligands addition. <i>Plant and Soil</i> , 2007 , 296, 35-41	4.2	11
110	Complexity of bacterial and fungal network increases with soil aggregate size in an agricultural Inceptisol. <i>Applied Soil Ecology</i> , 2020 , 154, 103640	5	10
109	Uncovering New Pathogen-Host Protein-Protein Interactions by Pairwise Structure Similarity. <i>PLoS ONE</i> , 2016 , 11, e0147612	3.7	10
108	Sorption of Cu by organic matter from the decomposition of rice straw. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2203-2210	3.4	10
107	Role of interfacial reactions in biodegradation: A case study in a montmorillonite, <i>Pseudomonas</i> sp. Z1 and methyl parathion ternary system. <i>Journal of Hazardous Materials</i> , 2019 , 365, 245-251	12.8	10
106	Regulation of soil aggregate size under different fertilizations on dissolved organic matter, cellobiose hydrolyzing microbial community and their roles in organic matter mineralization. <i>Science of the Total Environment</i> , 2021 , 755, 142595	10.2	10
105	Sorption of Cu(II) by Al hydroxide organo-mineral coprecipitates: Microcalorimetry and NanoSIMS observations. <i>Chemical Geology</i> , 2018 , 499, 165-171	4.2	10
104	<i>Streptococcus suis</i> sorption on agricultural soils: role of soil physico-chemical properties. <i>Chemosphere</i> , 2015 , 119, 52-58	8.4	9

103	Characterization of Cu distribution in clay-sized soil aggregates by NanoSIMS and micro-XRF. <i>Chemosphere</i> , 2020 , 249, 126143	8.4	9
102	Microbial taxonomic and functional attributes consistently predict soil CO emissions across contrasting croplands. <i>Science of the Total Environment</i> , 2020 , 702, 134885	10.2	9
101	Co-effect of minerals and Cd(II) promoted the formation of bacterial biofilm and consequently enhanced the sorption of Cd(II). <i>Environmental Pollution</i> , 2020 , 258, 113774	9.3	9
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