

Q Y Huang

List of Publications by Year in Descending Order

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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	Size-dependent visible-light-enhanced Cr(VI) bioreduction by hematite nanoparticles.. <i>Chemosphere</i> , 2022 , 295, 133633	8.4	1
245	Humic acids restrict the transformation and the stabilization of Cd by iron (hydr)oxides.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128365	12.8	1
244	Second messenger c-di-GMP modulates exopolysaccharide Pea-dependent phenotypes via regulating expression in .. <i>Applied and Environmental Microbiology</i> , 2022 , aem0227021	4.8	0
243	Microbial assemblies associated with temperature sensitivity of soil respiration along an altitudinal gradient.. <i>Science of the Total Environment</i> , 2022 , 153257	10.2	1
242	Synergism between goethite size and extracellular polymeric substances (EPS) in the formation of mineral-mineral and organo-mineral complexes of soil microaggregates. <i>Geoderma</i> , 2022 , 410, 115650	6.7	2
241	Influence mechanisms of iron, aluminum and manganese oxides on the mineralization of organic matter in paddy soil. <i>Journal of Environmental Management</i> , 2022 , 301, 113916	7.9	1
240	Warming and humidification mediated changes of DOM composition in an Alfisol. <i>Science of the Total Environment</i> , 2022 , 805, 150198	10.2	1
239	Surface corrosion by microbial flora enhances the application potential of phosphate rock for cadmium remediation. <i>Chemical Engineering Journal</i> , 2022 , 429, 132560	14.7	0
238	Soil Aggregates and Fertilizer Treatments Drive Bacterial Interactions via Interspecies Niche Overlap.. <i>Microbiology Spectrum</i> , 2022 , e0252421	8.9	0
237	The Proportion of Soil-Borne Fungal Pathogens Increases with Elevated Organic Carbon in Agricultural Soils.. <i>MSystems</i> , 2022 , e0133721	7.6	2
236	Microbial formation and stabilisation of soil organic carbon is regulated by carbon substrate identity and mineral composition. <i>Geoderma</i> , 2022 , 414, 115762	6.7	0
235	Effects of hematite on the dissemination of antibiotic resistance in pathogens and underlying mechanisms.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128537	12.8	0
234	Biochar produced from the straw of common crops simultaneously stabilizes soil organic matter and heavy metals.. <i>Science of the Total Environment</i> , 2022 , 828, 154494	10.2	1
233	Mineralization of organic matter during the immobilization of heavy metals in polluted soil treated with minerals.. <i>Chemosphere</i> , 2022 , 134794	8.4	0
232	Ammonia level influences the assembly of dissimilatory nitrate reduction to ammonia bacterial community in soils under different heavy metal remediation treatments. <i>Science of the Total Environment</i> , 2022 , 838, 156393	10.2	0
231	Influence of surface coatings on the adhesion of <i>Shewanella oneidensis</i> MR-1 to hematite. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2955-2955	9.3	0
230	Functional group diversity for the adsorption of lead(Pb) to bacterial cells and extracellular polymeric substances. <i>Environmental Pollution</i> , 2021 , 295, 118651	9.3	0

229	Distinct Responses of Rare and Abundant Microbial Taxa to Chemical Stabilization of Cadmium-Contaminated Soil. <i>MSystems</i> , 2021 , 6, e0104021	7.6	2
228	Elevated temperature altered the binding sequence of Cd with DOM in arable soils. <i>Chemosphere</i> , 2021 , 288, 132572	8.4	0
227	Increased particle size of goethite enhances the antibacterial effect on human pathogen <i>Escherichia coli</i> O157:H7: A Raman spectroscopic study. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124174	12.8	3
226	Study on principles and mechanisms of new biochar passivation of cadmium in soil. <i>Biochar</i> , 2021 , 3, 161-173	17.3	4
225	Soil aggregate size-dependent relationships between microbial functional diversity and multifunctionality. <i>Soil Biology and Biochemistry</i> , 2021 , 154, 108143	7.5	13
224	Soil amendments change bacterial functional genes more than taxonomic structure in a cadmium-contaminated soil. <i>Soil Biology and Biochemistry</i> , 2021 , 154, 108126	7.5	6
223	Selective retention of extracellular polymeric substances induced by adsorption to and coprecipitation with ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 299, 15-34	5.5	9
222	Size effect of hematite particles on the Cr(VI) reduction by <i>Shewanella oneidensis</i> MR-1. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105096	6.8	2
221	Molecular-Scale Understanding of Sulfate Exchange from Schwertmannite by Chromate Versus Arsenate. <i>Environmental Science & Technology</i> , 2021 , 55, 5857-5867	10.3	4
220	Bridging Rare and Abundant Bacteria with Ecosystem Multifunctionality in Salinized Agricultural Soils: From Community Diversity to Environmental Adaptation. <i>MSystems</i> , 2021 , 6,	7.6	8
219	The two-component system TarR-TarS is regulated by c-di-GMP/FleQ and FliA and modulates antibiotic susceptibility in <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2021 , 23, 5239-5257	5.2	0
218	Identification of c-di-GMP/FleQ-Regulated New Target Genes, Including , Encoding Adenylate Cyclase, in <i>Pseudomonas putida</i> . <i>MSystems</i> , 2021 , 6,	7.6	2
217	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
216	Effects of long-term fertilization on calcium-associated soil organic carbon: Implications for C sequestration in agricultural soils. <i>Science of the Total Environment</i> , 2021 , 772, 145037	10.2	8
215	Community assembly mechanisms and co-occurrence patterns of nitrite-oxidizing bacteria communities in saline soils. <i>Science of the Total Environment</i> , 2021 , 772, 145472	10.2	7
214	Keystone species determine the "selection mechanism" of multispecies biofilms for bacteria from soil aggregates. <i>Science of the Total Environment</i> , 2021 , 773, 145069	10.2	6
213	Insights into conjugative transfer of antibiotic resistance genes affected by soil minerals. <i>European Journal of Soil Science</i> , 2021 , 72, 1143-1153	3.4	5
212	Partitioning <i>Nitrospira</i> community structure and co-occurrence patterns in a long-term inorganic and organic fertilization soil. <i>Journal of Soils and Sediments</i> , 2021 , 21, 1099-1108	3.4	3

211	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
210	Soil phyllosilicate and iron oxide inhibit the quorum sensing of <i>Chromobacterium violaceum</i> . <i>Soil Ecology Letters</i> , 2021 , 3, 22-31	2.7	2
209	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
208	The role of interfacial reactions in controlling the distribution of Cd within goethite-humic acid-bacteria composites. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124081	12.8	6
207	Glyphosate adsorption onto kaolinite and kaolinite-humic acid composites: Experimental and molecular dynamics studies. <i>Chemosphere</i> , 2021 , 263, 127979	8.4	19
206	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
205	Global distribution and environmental drivers of methylmercury production in sediments. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124700	12.8	4
204	Microscale heterogeneity of the soil nitrogen cycling microbial functional structure and potential metabolism. <i>Environmental Microbiology</i> , 2021 , 23, 1199-1209	5.2	3
203	Quantitative analysis of the surficial and adhesion properties of the Gram-negative bacterial species <i>Comamonas testosteroni</i> modulated by c-di-GMP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 198, 111497	6	1
202	Recent advances in exploring the heavy metal(loid) resistant microbiome. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 94-109	6.8	24
201	As(III) adsorption-oxidation behavior and mechanisms on Cr(VI)-incorporated schwertmannite. <i>Environmental Science: Nano</i> , 2021 , 8, 1593-1602	7.1	0
200	Spatial variability of the molecular composition of humic acids from subtropical forest soils. <i>Journal of Soils and Sediments</i> , 2021 , 21, 766-774	3.4	3
199	Calcium-crosslinked alginate-encapsulated bacteria for remediating of cadmium-polluted water and production of CdS nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 2171-2179	5.7	3
198	Whole-Cell Microbial Bioreporter for Soil Contaminants Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 622994	5.8	5
197	Divergent bacterial transformation exerted by soil minerals. <i>Science of the Total Environment</i> , 2021 , 784, 147173	10.2	2
196	High Salinity Inhibits Soil Bacterial Community Mediating Nitrogen Cycling. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0136621	4.8	3
195	Effective immobilization of heavy metals via reactive barrier by rhizosphere bacteria and their biofilms. <i>Environmental Research</i> , 2021 , 112080	7.9	2
194	Emergent transcriptional adaptation facilitates convergent succession within a synthetic community. <i>ISME Communications</i> , 2021 , 1,		3

193	Soil aggregate isolation method affects interpretation of protistan community. <i>Soil Biology and Biochemistry</i> , 2021 , 161, 108388	7.5	1
192	Mechanistic investigation and modeling of Cd immobilization by iron (hydr)oxide-humic acid coprecipitates. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126603	12.8	3
191	The exopolysaccharide-eDNA interaction modulates 3D architecture of <i>Bacillus subtilis</i> biofilm. <i>BMC Microbiology</i> , 2020 , 20, 115	4.5	25
190	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
189	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
188	Microbial Communities Associated with Methylmercury Degradation in Paddy Soils. <i>Environmental Science & Technology</i> , 2020 , 54, 7952-7960	10.3	16
187	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
186	The limited effects of carbonaceous material amendments on nitrite-oxidizing bacteria in an Alfisol. <i>Science of the Total Environment</i> , 2020 , 734, 139398	10.2	4
185	Effects of Al substitution on local structure and morphology of lepidocrocite and its phosphate adsorption kinetics. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 276, 109-121	5.5	8
184	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
183	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
182	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
181	Characterization of Cu distribution in clay-sized soil aggregates by NanoSIMS and micro-XRF. <i>Chemosphere</i> , 2020 , 249, 126143	8.4	9
180	RNase II binds to RNase E and modulates its endoribonucleolytic activity in the cyanobacterium <i>Anabaena</i> PCC 7120. <i>Nucleic Acids Research</i> , 2020 , 48, 3922-3934	20.1	4
179	Aggregational differentiation of ureolytic microbes in an Ultisol under long-term organic and chemical fertilizations. <i>Science of the Total Environment</i> , 2020 , 716, 137103	10.2	7
178	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
177	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
176	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

175	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
174	Phenotypic-genotypic analysis of GGDEF/EAL/HD-GYP domain-encoding genes in <i>Pseudomonas putida</i> . <i>Environmental Microbiology Reports</i> , 2020 , 12, 38-48	3.7	8
173	Interspecific interactions in dual-species biofilms of soil bacteria: effects of fertilization practices. <i>Journal of Soils and Sediments</i> , 2020 , 20, 1494-1501	3.4	4
172	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
171	Deciphering belowground nitrifier assemblages with elevational soil sampling in a subtropical forest ecosystem (Mount Lu, China). <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	3
170	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
169	The species evenness of "prey" bacteria correlated with <i>Bdellovibrio</i> -and-like-organisms (BALOs) in the microbial network supports the biomass of BALOs in a paddy soil. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	1
168	The attachment process and physiological properties of <i>Escherichia coli</i> O157:H7 on quartz. <i>BMC Microbiology</i> , 2020 , 20, 355	4.5	2
167	Long-term chemical fertilization-driving changes in soil autotrophic microbial community depresses soil CO fixation in a Mollisol. <i>Science of the Total Environment</i> , 2020 , 748, 141317	10.2	5
166	Retraction Note: Field evaluation of intensive compost application on Cd fractionation and phytoavailability in a mining-contaminated soil. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 713	4.7	0
165	Adsorption and precipitation of myo-inositol hexakisphosphate onto kaolinite. <i>European Journal of Soil Science</i> , 2020 , 71, 226-235	3.4	5
164	A crosstalk between c-di-GMP and cAMP in regulating transcription of <i>GcsA</i> , a diguanylate cyclase involved in swimming motility in <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2020 , 22, 142-157	5.2	5
163	Characterization of Cd biosorption by <i>Pseudomonas</i> 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
162	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
161	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
160	Soil aggregates impact nitrifying microorganisms in a vertisol under diverse fertilization regimes. <i>European Journal of Soil Science</i> , 2020 , 71, 536-547	3.4	7
159	Arbuscular mycorrhizal-like fungi and glomalin-related soil protein drive the distributions of carbon and nitrogen in a large scale. <i>Journal of Soils and Sediments</i> , 2020 , 20, 963-972	3.4	5
158	Soil biofilm formation enhances microbial community diversity and metabolic activity. <i>Environment International</i> , 2019 , 132, 105116	12.9	38

157	The microbial network in naturally fertile paddy soil possibly facilitates functional recruitment in the rice mature stage. <i>Applied Soil Ecology</i> , 2019 , 135, 174-181	5	6
156	Extraction of extracellular polymeric substances (EPS) from red soils (Ultisols). <i>Soil Biology and Biochemistry</i> , 2019 , 135, 283-285	7.5	12
155	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
154	Size-Dependent Bacterial Toxicity of Hematite Particles. <i>Environmental Science & Technology</i> , 2019 , 53, 8147-8156	10.3	23
153	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
152	Iron oxides selectively stabilize plant-derived polysaccharides and aliphatic compounds in agricultural soils. <i>European Journal of Soil Science</i> , 2019 ,	3.4	8
151	Complete genome sequence of sp. strain X13, a promising cell factory for the synthesis of CdS quantum dots. <i>3 Biotech</i> , 2019 , 9, 120	2.8	4
150	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
149	Divergent Influence to a Pathogen Invader by Resident Bacteria with Different Social Interactions. <i>Microbial Ecology</i> , 2019 , 77, 76-86	4.4	7
148	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
147	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019 , 131, 104995	12.9	67
146	Soil biofilms: microbial interactions, challenges, and advanced techniques for ex-situ characterization. <i>Soil Ecology Letters</i> , 2019 , 1, 85-93	2.7	35
145	Study of the Mechanism of Migration and Transformation of Biochar-N and Its Utilization by Plants in Farmland Ecosystems. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17606-17615	8.3	2
144	Soil Aggregate Stratification of Ureolytic Microbiota Affects Urease Activity in an Inceptisol. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11584-11590	5.7	7
143	High c-di-GMP promotes expression of fpr-1 and katE involved in oxidative stress resistance in <i>Pseudomonas putida</i> KT2440. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 9077-9089	5.7	7
142	Impact of metal oxide nanoparticles on in vitro DNA amplification. <i>PeerJ</i> , 2019 , 7, e7228	3.1	8
141	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
140	The exopolysaccharide gene cluster <i>pea</i> is transcriptionally controlled by <i>RpoS</i> and repressed by <i>AmrZ</i> in <i>Pseudomonas putida</i> KT2440. <i>Microbiological Research</i> , 2019 , 218, 1-11	5.3	7

139	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
138	The catalytic effect of AQDS as an electron shuttle on Mn(II) oxidation to birnessite on ferrihydrite at circumneutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 247, 175-190	5.5	9
137	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
136	Sorption and immobilization of Cu and Pb in a red soil (Ultisol) after different long-term fertilizations. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1716-1722	5.1	2
135	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
134	Pb sorption on montmorillonite-bacteria composites: A combination study by XAFS, ITC and SCM. <i>Chemosphere</i> , 2018 , 200, 427-436	8.4	29
133	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
132	Cd sequestration by bacteria-aluminum hydroxide composites. <i>Chemosphere</i> , 2018 , 198, 75-82	8.4	12
131	Distribution and mobility of exogenous copper as influenced by aging and components interactions in three Chinese soils. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10771-10781	5.1	7
130	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
129	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	19.2	47
128	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
127	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
126	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
125	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
124	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
123	EPS adsorption to goethite: Molecular level adsorption mechanisms using 2D correlation spectroscopy. <i>Chemical Geology</i> , 2018 , 494, 127-135	4.2	23
122	Effects of Interfaces of Goethite and Humic Acid-Goethite Complex on Microbial Degradation of Methyl Parathion. <i>Frontiers in Microbiology</i> , 2018 , 9, 1748	5.7	8

121	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
120	Recent advances in microbial electrochemical system for soil bioremediation. <i>Chemosphere</i> , 2018 , 211, 156-163	8.4	36
119	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
118	Relations between bacterial communities and enzyme functions of two paddy soils. <i>European Journal of Soil Science</i> , 2018 , 69, 655-665	3.4	2
117	FinR Regulates Expression of and Operons, Involved in Nicotinic Acid Degradation in <i>Pseudomonas putida</i> KT2440. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	4
116	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
115	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
114	Modeling of Cd adsorption to goethite-bacteria composites. <i>Chemosphere</i> , 2018 , 193, 943-950	8.4	24
113	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	13.9	59
112	A comparison of CO ₂ , N ₂ , and Ar to maximize plant nutrient retention in biochar. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 421-426	4.3	2
111	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
110	Aging shapes the distribution of copper in soil aggregate size fractions. <i>Environmental Pollution</i> , 2018 , 233, 569-576	9.3	17
109	The shift of sulfate-reducing bacterial communities from the upland to the paddy stage in a rapeseed-rice rotation system, and the effect from the long-term straw returning. <i>Applied Soil Ecology</i> , 2018 , 124, 124-130	5	6
108	Effective Zinc Adsorption Driven by Electrochemical Redox Reactions of Birnessite Nanosheets Generated by Solar Photochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13907-13914	8.3	7
107	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
106	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
105	Organic matter facilitates the binding of Pb to iron oxides in a subtropical contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32130-32139	5.1	7
104	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

103	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
102	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
101	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
100	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
99	<i>Nitrospira</i> are more sensitive than <i>Nitrobacter</i> 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
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93	Detoxification of hexavalent chromate by growing <i>Paecilomyces lilacinus</i> XLA. <i>Environmental Pollution</i> , 2017 , 225, 47-54	9.3	12
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