

Jianming Xu

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297
papers

10,593
citations

54
h-index

89
g-index

313
ext. papers

14,305
ext. citations

7.9
avg, IF

6.82
L-index

#	Paper	IF	Citations
297	Human health risk assessment of heavy metals in soil-vegetable system: a multi-medium analysis. <i>Science of the Total Environment</i> , 2013 , 463-464, 530-40	10.2	477
296	Geographic patterns of co-occurrence network topological features for soil microbiota at continental scale in eastern China. <i>ISME Journal</i> , 2016 , 10, 1891-901	11.9	403
295	Zeolite-supported nanoscale zero-valent iron: New findings on simultaneous adsorption of Cd(II), Pb(II), and As(III) in aqueous solution and soil. <i>Journal of Hazardous Materials</i> , 2018 , 344, 1-11	12.8	289
294	Heavy metal contaminations in a soil-rice system: identification of spatial dependence in relation to soil properties of paddy fields. <i>Journal of Hazardous Materials</i> , 2010 , 181, 778-87	12.8	287
293	Remediation of heavy metal contaminated soils by biochar: Mechanisms, potential risks and applications in China. <i>Environmental Pollution</i> , 2019 , 252, 846-855	9.3	226
292	Identification of trace element sources and associated risk assessment in vegetable soils of the urban-rural transitional area of Hangzhou, China. <i>Environmental Pollution</i> , 2008 , 151, 67-78	9.3	215
291	Potential role of biochars in decreasing soil acidification - A critical review. <i>Science of the Total Environment</i> , 2017 , 581-582, 601-611	10.2	209
290	Long-term nitrogen fertilization decreases bacterial diversity and favors the growth of Actinobacteria and Proteobacteria in agro-ecosystems across the globe. <i>Global Change Biology</i> , 2018 , 24, 3452-3461	11.4	187
289	Characterizing the risk assessment of heavy metals and sampling uncertainty analysis in paddy field by geostatistics and GIS. <i>Environmental Pollution</i> , 2006 , 141, 257-64	9.3	187
288	Effects of long-term manure applications on the occurrence of antibiotics and antibiotic resistance genes (ARGs) in paddy soils: Evidence from four field experiments in south of China. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 179-187	7.5	173
287	Microplastics play a minor role in tetracycline sorption in the presence of dissolved organic matter. <i>Environmental Pollution</i> , 2018 , 240, 87-94	9.3	163
286	Changes in heavy metal bioavailability and speciation from a Pb-Zn mining soil amended with biochars from co-pyrolysis of rice straw and swine manure. <i>Science of the Total Environment</i> , 2018 , 633, 300-307	10.2	133
285	Novel insight into adsorption and co-adsorption of heavy metal ions and an organic pollutant by magnetic graphene nanomaterials in water. <i>Chemical Engineering Journal</i> , 2019 , 358, 1399-1409	14.7	123
284	The identification of 'hotspots' of heavy metal pollution in soil-rice systems at a regional scale in eastern China. <i>Science of the Total Environment</i> , 2014 , 472, 407-20	10.2	118
283	Substrate utilization pattern, biomass and activity of microbial communities in a sequence of heavy metal-polluted paddy soils. <i>Geoderma</i> , 2003 , 115, 139-148	6.7	118
282	Remediation of As(III) and Cd(II) co-contamination and its mechanism in aqueous systems by a novel calcium-based magnetic biochar. <i>Journal of Hazardous Materials</i> , 2018 , 348, 10-19	12.8	116
281	Adsorption characteristics of Cu(II) from aqueous solution onto biochar derived from swine manure. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7035-46	5.1	116

280	Heavy metal sources identification and sampling uncertainty analysis in a field-scale vegetable soil of Hangzhou, China. <i>Environmental Pollution</i> , 2009 , 157, 1003-10	9.3	115
279	Microplastics in the soil environment: Occurrence, risks, interactions and fate [A review]. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 2175-2222	11.1	115
278	Studies on the phosphorus sorption capacity of substrates used in constructed wetland systems. <i>Chemosphere</i> , 2006 , 63, 344-52	8.4	114
277	Physicochemical properties of biochar produced from aerobically composted swine manure and its potential use as an environmental amendment. <i>Bioresource Technology</i> , 2013 , 142, 641-6	11	113
276	The sorption kinetics and isotherms of sulfamethoxazole with polyethylene microplastics. <i>Marine Pollution Bulletin</i> , 2018 , 131, 191-196	6.7	111
275	Effects of different soil weights, storage times and extraction methods on soil phospholipid fatty acid analyses. <i>Geoderma</i> , 2009 , 150, 171-178	6.7	100
274	Increased occurrence of heavy metals, antibiotics and resistance genes in surface soil after long-term application of manure. <i>Science of the Total Environment</i> , 2018 , 635, 995-1003	10.2	98
273	Changes in microbial community structure due to biochars generated from different feedstocks and their relationships with soil chemical properties. <i>Geoderma</i> , 2014 , 226-227, 270-278	6.7	98
272	Changes in the soil microbial community structure with latitude in eastern China, based on phospholipid fatty acid analysis. <i>Applied Soil Ecology</i> , 2009 , 43, 234-240	5	97
271	Spatial distribution of heavy metals in soils: a case study of Changxing, China. <i>Environmental Geology</i> , 2007 , 52, 1-10		88
270	Status assessment and probabilistic health risk modeling of metals accumulation in agriculture soils across China: A synthesis. <i>Environment International</i> , 2019 , 128, 165-174	12.9	87
269	The potential feasibility for soil improvement, based on the properties of biochars pyrolyzed from different feedstocks. <i>Journal of Soils and Sediments</i> , 2013 , 13, 989-1000	3.4	87
268	Long-term nutrient inputs shift soil microbial functional profiles of phosphorus cycling in diverse agroecosystems. <i>ISME Journal</i> , 2020 , 14, 757-770	11.9	87
267	Application of 16S rDNA-PCR amplification and DGGE fingerprinting for detection of shift in microbial community diversity in Cu-, Zn-, and Cd-contaminated paddy soils. <i>Chemosphere</i> , 2006 , 62, 1374-80	8.4	84
266	Facilitation of pentachlorophenol degradation in the rhizosphere of ryegrass (<i>Lolium perenne</i> L.). <i>Soil Biology and Biochemistry</i> , 2005 , 37, 2017-2024	7.5	81
265	Earth microbial co-occurrence network reveals interconnection pattern across microbiomes. <i>Microbiome</i> , 2020 , 8, 82	16.6	80
264	Priming effects in biochar enriched soils using a three-source-partitioning approach: 14C labelling and 13C natural abundance. <i>Soil Biology and Biochemistry</i> , 2017 , 106, 28-35	7.5	79
263	Contrasting effects of composting and pyrolysis on bioavailability and speciation of Cu and Zn in pig manure. <i>Chemosphere</i> , 2017 , 180, 93-99	8.4	76

262	Effects of inorganic and organic amendments on the uptake of lead and trace elements by <i>Brassica chinensis</i> grown in an acidic red soil. <i>Chemosphere</i> , 2015 , 119, 177-183	8.4	76
261	Effects of nitrogen fertilization on the acidity and salinity of greenhouse soils. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2976-86	5.1	71
260	Chemical and biological immobilization mechanisms of potentially toxic elements in biochar-amended soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 903-978	11.1	69
259	High temperatures inhibited the growth of soil bacteria and archaea but not that of fungi and altered nitrous oxide production mechanisms from different nitrogen sources in an acidic soil. <i>Soil Biology and Biochemistry</i> , 2017 , 107, 168-179	7.5	68
258	A novel calcium-based magnetic biochar is effective in stabilization of arsenic and cadmium co-contamination in aerobic soils. <i>Journal of Hazardous Materials</i> , 2020 , 387, 122010	12.8	67
257	Chemical speciation and risk assessment of Cu and Zn in biochars derived from co-pyrolysis of pig manure with rice straw. <i>Chemosphere</i> , 2018 , 200, 344-350	8.4	66
256	Profiling of microbial PLFAs: Implications for interspecific interactions due to intercropping which increase phosphorus uptake in phosphorus limited acidic soils. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 625-634	7.5	64
255	Distinct Biogeographic Patterns for Archaea, Bacteria, and Fungi along the Vegetation Gradient at the Continental Scale in Eastern China. <i>MSystems</i> , 2017 , 2,	7.6	63
254	Effects of nitrogen fertilizer on the acidification of two typical acid soils in South China. <i>Journal of Soils and Sediments</i> , 2014 , 14, 415-422	3.4	63
253	Detailed sorption isotherms of pentachlorophenol on soils and its correlation with soil properties. <i>Environmental Research</i> , 2006 , 101, 362-72	7.9	63
252	Simultaneous adsorption of Cd(II) and As(III) by a novel biochar-supported nanoscale zero-valent iron in aqueous systems. <i>Science of the Total Environment</i> , 2020 , 708, 134823	10.2	63
251	The effects of combinations of biochar, lime, and organic fertilizer on nitrification and nitrifiers. <i>Biology and Fertility of Soils</i> , 2017 , 53, 77-87	6.1	62
250	Enhanced abiotic and biotic contributions to dechlorination of pentachlorophenol during Fe(III) reduction by an iron-reducing bacterium <i>Clostridium beijerinckii</i> Z. <i>Science of the Total Environment</i> , 2014 , 473-474, 215-23	10.2	61
249	Ten-year regional monitoring of soil-rice grain contamination by heavy metals with implications for target remediation and food safety. <i>Environmental Pollution</i> , 2019 , 244, 431-439	9.3	61
248	Effects of Cd, Cu, Zn and their combined action on microbial biomass and bacterial community structure. <i>Environmental Pollution</i> , 2018 , 243, 510-518	9.3	61
247	Sorption of phenanthrene by soils contaminated with heavy metals. <i>Chemosphere</i> , 2006 , 65, 1355-61	8.4	57
246	Adsorption and desorption of phenanthrene by magnetic graphene nanomaterials from water: Roles of pH, heavy metal ions and natural organic matter. <i>Chemical Engineering Journal</i> , 2019 , 368, 390-399	11.7	56
245	Mechanisms for the removal of Cd(II) and Cu(II) from aqueous solution and mine water by biochars derived from agricultural wastes. <i>Chemosphere</i> , 2020 , 254, 126745	8.4	56

244	Modeling transfer of heavy metals in soil-rice system and their risk assessment in paddy fields. <i>Environmental Earth Sciences</i> , 2009 , 59, 519-527	2.9	56
243	Impact of organic matter addition on pH change of paddy soils. <i>Journal of Soils and Sediments</i> , 2013 , 13, 12-23	3.4	53
242	Spatial dependence and bioavailability of metal fractions in paddy fields on metal concentrations in rice grain at a regional scale. <i>Journal of Soils and Sediments</i> , 2011 , 11, 1165-1177	3.4	53
241	Contrasting effects of alkaline amendments on the bioavailability and uptake of Cd in rice plants in a Cd-contaminated acid paddy soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 8827-8835	5.1	52
240	Potential risks of copper, zinc, and cadmium pollution due to pig manure application in a soil-rice system under intensive farming: a case study of Nanhu, China. <i>Journal of Environmental Quality</i> , 2011 , 40, 1695-704	3.4	52
239	An integrated analysis on source-exposure risk of heavy metals in agricultural soils near intense electronic waste recycling activities. <i>Environment International</i> , 2019 , 133, 105239	12.9	51
238	Combined application of biochar and nitrogen fertilizer benefits nitrogen retention in the rhizosphere of soybean by increasing microbial biomass but not altering microbial community structure. <i>Science of the Total Environment</i> , 2018 , 640-641, 1221-1230	10.2	50
237	Dissolved organic matter enhances the sorption of atrazine by soil. <i>Biology and Fertility of Soils</i> , 2006 , 42, 418-425	6.1	46
236	Potential contributions of clay minerals and organic matter to pentachlorophenol retention in soils. <i>Chemosphere</i> , 2006 , 65, 497-505	8.4	46
235	A multi-medium chain modeling approach to estimate the cumulative effects of cadmium pollution on human health. <i>Environmental Pollution</i> , 2018 , 239, 308-317	9.3	45
234	Elevated temperature shifts soil N cycling from microbial immobilization to enhanced mineralization, nitrification and denitrification across global terrestrial ecosystems. <i>Global Change Biology</i> , 2020 , 26, 5267-5276	11.4	44
233	Evaluation of dissipation gradients of polycyclic aromatic hydrocarbons in rice rhizosphere utilizing a sequential extraction procedure. <i>Environmental Pollution</i> , 2012 , 162, 413-21	9.3	44
232	Does the depletion of pentachlorophenol in root-soil interface follow a simple linear dependence on the distance to root surfaces?. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1807-1813	7.5	44
231	Coupling between Pentachlorophenol Dechlorination and Soil Redox As Revealed by Stable Carbon Isotope, Microbial Community Structure, and Biogeochemical Data. <i>Environmental Science & Technology</i> , 2015 , 49, 5425-33	10.3	43
230	Using light fraction and macroaggregate associated organic matters as early indicators for management-induced changes in soil chemical and biological properties in adjacent native and plantation forests of subtropical Australia. <i>Geoderma</i> , 2008 , 147, 116-125	6.7	43
229	Taxon-specific responses of soil microbial communities to different soil priming effects induced by addition of plant residues and their biochars. <i>Journal of Soils and Sediments</i> , 2017 , 17, 674-684	3.4	42
228	Ammonia oxidizers and nitrite-oxidizing bacteria respond differently to long-term manure application in four paddy soils of south of China. <i>Science of the Total Environment</i> , 2018 , 633, 641-648	10.2	42
227	The Effects and Mechanisms of Soil Acidity Changes, following Incorporation of Biochars in Three Soils Differing in Initial pH. <i>Soil Science Society of America Journal</i> , 2014 , 78, 1606-1614	2.5	42

226	Spatial distribution and source apportionment of water pollution in different administrative zones of Wen-Rui-Tang (WRT) river watershed, China. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5341-52	5.1	41
225	Sensitive responders among bacterial and fungal microbiome to pyrogenic organic matter (biochar) addition differed greatly between rhizosphere and bulk soils. <i>Scientific Reports</i> , 2016 , 6, 36101	4.9	40
224	Genetic correlation network prediction of forest soil microbial functional organization. <i>ISME Journal</i> , 2018 , 12, 2492-2505	11.9	40
223	Differences in carbon and nitrogen mineralization in soils of differing initial pH induced by electrokinesis and receiving crop residue amendments. <i>Soil Biology and Biochemistry</i> , 2013 , 67, 70-84	7.5	40
222	Heterotrophic nitrification and denitrification are the main sources of nitrous oxide in two paddy soils. <i>Plant and Soil</i> , 2019 , 445, 39-53	4.2	40
221	Root-induced changes to cadmium speciation in the rhizosphere of two rice (<i>Oryza sativa</i> L.) genotypes. <i>Environmental Research</i> , 2011 , 111, 356-61	7.9	39
220	Assessing soil bacterial community and dynamics by integrated high-throughput absolute abundance quantification. <i>PeerJ</i> , 2018 , 6, e4514	3.1	39
219	Rusty sink of rhizodeposits and associated keystone microbiomes. <i>Soil Biology and Biochemistry</i> , 2020 , 147, 107840	7.5	37
218	Archaea and bacteria respectively dominate nitrification in lightly and heavily grazed soil in a grassland system. <i>Biology and Fertility of Soils</i> , 2018 , 54, 41-54	6.1	37
217	The ratio of clay content to total organic carbon content is a useful parameter to predict adsorption of the herbicide butachlor in soils. <i>Environmental Pollution</i> , 2008 , 152, 163-71	9.3	37
216	Profiling of PLFA: Implications for nonlinear spatial gradient of PCP degradation in the vicinity of <i>Lolium perenne</i> L. roots. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1121-1129	7.5	37
215	Biodegradation, Biosorption of Phenanthrene and Its Trans-Membrane Transport by <i>Massilia</i> sp. WF1 and <i>Phanerochaete chrysosporium</i> . <i>Frontiers in Microbiology</i> , 2016 , 7, 38	5.7	37
214	Efficient biodegradation of phenanthrene by a novel strain <i>Massilia</i> sp. WF1 isolated from a PAH-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13378-88	5.1	37
213	Opportunities for Phytoremediation and Bioindication of Arsenic Contaminated Water Using a Submerged Aquatic Plant: <i>Vallisneria spiralis</i> (L.) L. <i>International Journal of Phytoremediation</i> , 2015 , 17, 249-55	3.9	35
212	Spatial variations of concentrations of copper and its speciation in the soil-rice system in Wenling of southeastern China. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7165-76	5.1	35
211	Changes in nitrogen related functional genes along soil pH, C and nutrient gradients in the charosphere. <i>Science of the Total Environment</i> , 2019 , 650, 626-632	10.2	35
210	<i>Nitrosospora</i> cluster 3-like bacterial ammonia oxidizers and <i>Nitrosospora</i> -like nitrite oxidizers dominate nitrification activity in acidic terrace paddy soils. <i>Soil Biology and Biochemistry</i> , 2019 , 131, 229-237	7.5	35
209	First "charosphere" view towards the transport and transformation of Cd with addition of manure derived biochar. <i>Environmental Pollution</i> , 2017 , 227, 175-182	9.3	34

208	The properties and functions of biochars in forest ecosystems. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2005-2020	3.4	34
207	The impact of solution chemistry of electrolyte on the sorption of pentachlorophenol and phenanthrene by natural hematite nanoparticles. <i>Science of the Total Environment</i> , 2014 , 466-467, 577-85	10.2	34
206	Simultaneous immobilization of the cadmium, lead and arsenic in paddy soils amended with titanium gypsum. <i>Environmental Pollution</i> , 2020 , 258, 113790	9.3	34
205	Arbuscular Mycorrhizal Fungal Hyphae Alter Soil Bacterial Community and Enhance Polychlorinated Biphenyls Dissipation. <i>Frontiers in Microbiology</i> , 2016 , 7, 939	5.7	34
204	The influence of soil properties on the size and structure of bacterial and fungal communities along a paddy soil chronosequence. <i>European Journal of Soil Biology</i> , 2016 , 76, 9-18	2.9	33
203	Global meta-analyses show that conservation tillage practices promote soil fungal and bacterial biomass. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 293, 106841	5.7	32
202	Effect of Iron Plaque Formation on Phosphorus Accumulation and Availability in the Rhizosphere of Wetland Plants. <i>Water, Air, and Soil Pollution</i> , 2009 , 200, 79-87	2.6	32
201	Spatial variability of soil organic matter and nutrients in paddy fields at various scales in southeast China. <i>Environmental Geology</i> , 2008 , 53, 1139-1147		32
200	Soil fungal taxonomic and functional community composition as affected by biochar properties. <i>Soil Biology and Biochemistry</i> , 2018 , 126, 159-167	7.5	32
199	Cucurbita spp. and Cucumis sativus enhance the dissipation of polychlorinated biphenyl congeners by stimulating soil microbial community development. <i>Environmental Pollution</i> , 2014 , 184, 306-12	9.3	31
198	Interaction between the microbial community and invading Escherichia coli O157:H7 in soils from vegetable fields. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 70-6	4.8	31
197	A comprehensive mitigation strategy for heavy metal contamination of farmland around mining areas - Screening of low accumulated cultivars, soil remediation and risk assessment. <i>Environmental Pollution</i> , 2019 , 245, 820-828	9.3	31
196	Organic adsorbents modified with citric acid and Fe ₃ O ₄ enhance the removal of Cd and Pb in contaminated solutions. <i>Chemical Engineering Journal</i> , 2020 , 395, 125108	14.7	31
195	Acidification and salinization of soils with different initial pH under greenhouse vegetable cultivation. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1683-1692	3.4	30
194	Nitrogen fertilization increases rice rhizodeposition and its stabilization in soil aggregates and the humus fraction. <i>Plant and Soil</i> , 2019 , 445, 125-135	4.2	30
193	Microbial pathways for nitrous oxide emissions from sheep urine and dung in a typical steppe grassland. <i>Biology and Fertility of Soils</i> , 2018 , 54, 717-730	6.1	30
192	Combined biochar and nitrogen fertilizer reduces soil acidity and promotes nutrient use efficiency by soybean crop. <i>Journal of Soils and Sediments</i> , 2017 , 17, 599-610	3.4	29
191	Bacterial Community Composition Associated with Pyrogenic Organic Matter (Biochar) Varies with Pyrolysis Temperature and Colonization Environment. <i>MSphere</i> , 2017 , 2,	5	29

190	Does history matter? Temperature effects on soil microbial biomass and community structure based on the phospholipid fatty acid (PLFA) analysis. <i>Journal of Soils and Sediments</i> , 2010 , 10, 223-230	3.4	29
189	Warmer and drier conditions alter the nitrifier and denitrifier communities and reduce N ₂ O emissions in fertilized vegetable soils. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 231, 133-142	5.7	29
188	Performance and mechanisms for remediation of Cd(II) and As(III) co-contamination by magnetic biochar-microbe biochemical composite: Competition and synergy effects. <i>Science of the Total Environment</i> , 2021 , 750, 141672	10.2	29
187	The dechlorination of pentachlorophenol under a sulfate and iron reduction co-occurring anaerobic environment. <i>Chemosphere</i> , 2017 , 182, 166-173	8.4	27
186	Increased agronomic and environmental value provided by biochars with varied physiochemical properties derived from swine manure blended with rice straw. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 10623-31	5.7	27
185	Effects of land management change on spatial variability of organic matter and nutrients in paddy field: a case study of Pinghu, China. <i>Environmental Management</i> , 2004 , 34, 691-700	3.1	27
184	Decreasing cadmium uptake of rice (<i>Oryza sativa</i> L.) in the cadmium-contaminated paddy field through different cultivars coupling with appropriate soil amendments. <i>Journal of Soils and Sediments</i> , 2019 , 19, 1788-1798	3.4	27
183	Salicylate and phthalate pathways contributed differently on phenanthrene and pyrene degradations in <i>Mycobacterium</i> sp. WY10. <i>Journal of Hazardous Materials</i> , 2019 , 364, 509-518	12.8	27
182	The negative impact of cadmium on nitrogen transformation processes in a paddy soil is greater under non-flooding than flooding conditions. <i>Environment International</i> , 2019 , 129, 451-460	12.9	26
181	Fate of <i>Escherichia coli</i> O157: H7 in agricultural soils amended with different organic fertilizers. <i>Journal of Hazardous Materials</i> , 2015 , 296, 30-36	12.8	26
180	Survival of <i>Escherichia coli</i> O157:H7 in soils under different land use types. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 518-24	5.1	26
179	Effects of carbide slag, lodestone and biochar on the immobilization, plant uptake and translocation of As and Cd in a contaminated paddy soil. <i>Environmental Pollution</i> , 2020 , 266, 115194	9.3	26
178	Use of an improved high-throughput absolute abundance quantification method to characterize soil bacterial community and dynamics. <i>Science of the Total Environment</i> , 2018 , 633, 360-371	10.2	25
177	Assembly of root-associated microbiomes of typical rice cultivars in response to lindane pollution. <i>Environment International</i> , 2019 , 131, 104975	12.9	25
176	Microbial community structure changes during Aroclor 1242 degradation in the rhizosphere of ryegrass (<i>Lolium multiflorum</i> L.). <i>FEMS Microbiology Ecology</i> , 2009 , 70, 149-58	4.3	25
175	Differences in transport behavior of natural soil colloids of contrasting sizes from nanometer to micron and the environmental implications. <i>Science of the Total Environment</i> , 2018 , 634, 802-810	10.2	24
174	Enhancement of water solubility and mobility of phenanthrene by natural soil nanoparticles. <i>Environmental Pollution</i> , 2013 , 176, 228-33	9.3	24
173	Abating ammonia is more cost-effective than nitrogen oxides for mitigating PM air pollution. <i>Science</i> , 2021 , 374, 758-762	33.3	24

172	Assessing management impacts on soil organic matter quality in subtropical Australian forests using physical and chemical fractionation as well as ¹³ C NMR spectroscopy. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 640-650	7.5	23
171	Influence of iron plaque on accumulation of lead by yellow flag (<i>Iris pseudacorus</i> L.) grown in artificial Pb-contaminated soil. <i>Journal of Soils and Sediments</i> , 2010 , 10, 964-970	3.4	23
170	Achieving the safe use of Cd- and As-contaminated agricultural land with an Fe-based biochar: A field study. <i>Science of the Total Environment</i> , 2020 , 706, 135898	10.2	23
169	Urbanization can benefit agricultural production with large-scale farming in China. <i>Nature Food</i> , 2021 , 2, 183-191	14.4	23
168	Association of biochar properties with changes in soil bacterial, fungal and fauna communities and nutrient cycling processes. <i>Biochar</i> , 2021 , 3, 239-254	10	23
167	Understanding the relationships between grazing intensity and the distribution of nitrifying communities in grassland soils. <i>Science of the Total Environment</i> , 2018 , 634, 1157-1164	10.2	22
166	Impacts of continuous excessive fertilization on soil potential nitrification activity and nitrifying microbial community dynamics in greenhouse system. <i>Journal of Soils and Sediments</i> , 2017 , 17, 471-480	3.4	22
165	Nitrate supply and sulfate-reducing suppression facilitate the removal of pentachlorophenol in a flooded mangrove soil. <i>Environmental Pollution</i> , 2019 , 244, 792-800	9.3	22
164	Effects of ferrous sulfate amendment and water management on rice growth and metal(loid) accumulation in arsenic and lead co-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 8888-8902	5.1	21
163	Management practices have a major impact on nitrifier and denitrifier communities in a semiarid grassland ecosystem. <i>Journal of Soils and Sediments</i> , 2016 , 16, 896-908	3.4	21
162	A glimpse of <i>Escherichia coli</i> O157:H7 survival in soils from eastern China. <i>Science of the Total Environment</i> , 2014 , 476-477, 49-56	10.2	21
161	Spatial variability and evaluation of status of micronutrients in selected soils around Taihu Lake, China. <i>Journal of Soils and Sediments</i> , 2008 , 8, 415-423	3.4	21
160	Policy adjustment impacts Cd, Cu, Ni, Pb and Zn contamination in soils around e-waste area: Concentrations, sources and health risks. <i>Science of the Total Environment</i> , 2020 , 741, 140442	10.2	20
159	Complete genome sequence of <i>Massilia</i> sp. WG5, an efficient phenanthrene-degrading bacterium from soil. <i>Journal of Biotechnology</i> , 2016 , 218, 49-50	3.7	20
158	Bacterial degradation of Aroclor 1242 in the mycorrhizosphere soils of zucchini (<i>Cucurbita pepo</i> L.) inoculated with arbuscular mycorrhizal fungi. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12790-9	5.1	20
157	pH change, carbon and nitrogen mineralization in paddy soils as affected by Chinese milk vetch addition and soil water regime. <i>Journal of Soils and Sediments</i> , 2013 , 13, 654-663	3.4	20
156	Reconstruction of microbial community structures as evidences for soil redox coupled reductive dechlorination of PCP in a mangrove soil. <i>Science of the Total Environment</i> , 2017 , 596-597, 147-157	10.2	19
155	Synchronous response in methanogenesis and anaerobic degradation of pentachlorophenol in flooded soil. <i>Journal of Hazardous Materials</i> , 2019 , 374, 258-266	12.8	19

154	Typical Soil Redox Processes in Pentachlorophenol Polluted Soil Following Biochar Addition. <i>Frontiers in Microbiology</i> , 2018 , 9, 579	5.7	19
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152	Influence of black carbon addition on phenanthrene dissipation and microbial community structure in soil. <i>Environmental Pollution</i> , 2012 , 161, 121-7	9.3	19
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1	Humic Acid-Bound Polycyclic Aromatic Hydrocarbons (PAHs) in Rhizosphere of Rice (<i>Oryza sativa</i> L.) 2013 , 567-571		