Wenjie Ren

List of Publications by Year
in descending order

51 papers	1,429 citations	304743 22 h-index	345221 36 g-index
53 all docs	53 docs citations	53 times ranked	1627 citing authors

#	Article	IF	Citations
1	Evident bacterial community changes but only slight degradation when polluted with pyrene in a red soil. Frontiers in Microbiology, 2015, 6, 22.	3.5	85
2	Time-dependent effect of graphene on the structure, abundance, and function of the soil bacterial community. Journal of Hazardous Materials, 2015, 297, 286-294.	12.4	85
3	Mechanisms by which organic fertilizer and effective microbes mitigate peanut continuous cropping yield constraints in a red soil of south China. Applied Soil Ecology, 2018, 128, 23-34.	4.3	80
4	Nontargeted metabolomic analysis to unravel the impact of di (2-ethylhexyl) phthalate stress on root exudates of alfalfa (Medicago sativa). Science of the Total Environment, 2019, 646, 212-219.	8.0	78
5	Effects of cadmium on uptake and translocation of nutrient elements in different welsh onion (Allium fistulosum L.) cultivars. Food Chemistry, 2016, 194, 101-110.	8.2	68
6	Sulfonated graphene-induced hormesis is mediated through oxidative stress in the roots of maize seedlings. Science of the Total Environment, 2016, 572, 926-934.	8.0	65
7	Non-target effects of repeated chlorothalonil application on soil nitrogen cycling: The key functional gene study. Science of the Total Environment, 2016, 543, 636-643.	8.0	63
8	Occurrence and risk assessment of potentially toxic elements and typical organic pollutants in contaminated rural soils. Science of the Total Environment, 2018, 630, 618-629.	8.0	60
9	Effect of mixed soil microbiomes on pyrene removal and the response of the soil microorganisms. Science of the Total Environment, 2018, 640-641, 9-17.	8.0	56
10	Adsorption and desorption of carbendazim and cadmium in typical soils in northeastern China as affected by temperature. Geoderma, 2011, 160, 347-354.	5.1	54
11	Soil Type Driven Change in Microbial Community Affects Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (adipat 55, 4648-4657.	10.0	52
12	Degradation of pyrene by immobilized microorganisms in saline-alkaline soil. Journal of Environmental Sciences, 2012, 24, 1662-1669.	6.1	47
13	Pyrene dissipation potential varies with soil type and associated bacterial community changes. Soil Biology and Biochemistry, 2016, 103, 71-85.	8.8	43
14	Spatial and temporal distribution of acetochlor in sediments and riparian soils of the Songhua River Basin in northeastern China. Journal of Environmental Sciences, 2011, 23, 1684-1690.	6.1	41
15	Pesticide residues in soils planted with Panax notoginseng in south China, and their relationships in Panax notoginseng and soil. Ecotoxicology and Environmental Safety, 2020, 201, 110783.	6.0	34
16	Optimization of Ex-Situ Washing Removal of Polycyclic Aromatic Hydrocarbons from a Contaminated Soil Using Nano-Sulfonated Graphene. Pedosphere, 2017, 27, 527-536.	4.0	33
17	Effect of Silicon on Growth, Physiology, and Cadmium Translocation of Tobacco (Nicotiana tabacum) Tj ETQq1 1 0.784314 rgBT /Ove	4.0	33
18	Detection of functional microorganisms in benzene [a] pyrene-contaminated soils using DNA-SIP technology. Journal of Hazardous Materials, 2021, 407, 124788.	12.4	33

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19	Coupling between Nitrogen Fixation and Tetrachlorobiphenyl Dechlorination in a Rhizobiumâ€“Legume Symbiosis. Environmental Science & Technology, 2018, 52, 2217-2224.	10.0	30
20	Enhanced remediation of PAHs-contaminated site soil by bioaugmentation with graphene oxide immobilized bacterial pellets. Journal of Hazardous Materials, 2022, 433, 128793.	12.4	30
21	Identification of cadmium-excluding welsh onion (Allium fistulosum L.) cultivars and their mechanisms of low cadmium accumulation. Environmental Science and Pollution Research, 2012, 19, 1773-1780.	5.3	25
22	Planarity effect of polychlorinated biphenyls adsorption by graphene nanomaterials: The influence of graphene characteristics, solution pH and temperature. Chemical Engineering Journal, 2019, 362, 160-168.	12.7	25
23	Changes in clover rhizosphere microbial community and diazotrophs in mercury-contaminated soils. Science of the Total Environment, 2021, 767, 145473.	8.0	23
24	Influencing mechanisms of hematite on benzo(a)pyrene degradation by the PAH-degrading bacterium Paracoccus sp. Strain HPD-2: insight from benzo(a)pyrene bioaccessibility and bacteria activity. Journal of Hazardous Materials, 2018, 359, 348-355.	12.4	22
25	Application of biodegradable seedling trays in paddy fields: Impacts on the microbial community. Science of the Total Environment, 2019, 656, 750-759.	8.0	21
26	Effect of soil pH and organic matter on desorption hysteresis of chlorimuron-ethyl in two typical Chinese soils. Journal of Soils and Sediments, 2011, 11, 552-561.	3.0	20
27	Human health risk assessment of heavy metals in the soilâ€“Panax notoginseng system in Yunnan province, China. Human and Ecological Risk Assessment (HERA), 2018, 24, 1312-1326.	3.4	20
28	Effect of Graphene Oxide on Growth of Wheat Seedlings: Insights from Oxidative Stress and Physiological Flux. Bulletin of Environmental Contamination and Toxicology, 2020, 105, 139-145.	2.7	18
29	The inhibitory mechanism of natural soil colloids on the biodegradation of polychlorinated biphenyls by a degrading bacterium. Journal of Hazardous Materials, 2021, 415, 125687.	12.4	15
30	Influence of hydro-geomorphology, land-use and riparian zone characteristics on herbicide occurrence and distribution in sediments in Songhua River Basin, northeastern China. Geoderma, 2013, 193-194, 156-164.	5.1	14
31	Uptake, translocation and metabolism of di-n-butyl phthalate in alfalfa (Medicago sativa). Science of the Total Environment, 2020, 731, 138974.	8.0	14
32	Exploring bacterial community structure and function associated with polychlorinated biphenyl biodegradation in two hydrogen-amended soils. Science of the Total Environment, 2020, 745, 140839.	8.0	14
33	Soil bacterial diversity and functionality are driven by plant species for enhancing polycyclic aromatic hydrocarbons dissipation in soils. Science of the Total Environment, 2021, 797, 149204.	8.0	13
34	Genome-resolved metagenomics reveals how soil bacterial communities respond to elevated H2 availability. Soil Biology and Biochemistry, 2021, 163, 108464.	8.8	12
35	Contribution of autochthonous diazotrophs to polycyclic aromatic hydrocarbon dissipation in contaminated soils. Science of the Total Environment, 2020, 719, 137410.	8.0	11
36	Variations of Bacterial and Diazotrophic Community Assemblies throughout the Soil Profile in Distinct Paddy Soil Types and Their Contributions to Soil Functionality. MSystems, 2022, 7, e0104721.	3.8	11

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37	Herbicide occurrence in riparian soils and its transporting risk in the Songhua River Basin, China. Agronomy for Sustainable Development, 2013, 33, 777-785.	5.3	10
38	Trichoderma reesei FS10-C enhances phytoremediation of Cd-contaminated soil by Sedum plumbizincicola and associated soil microbial activities. Frontiers in Plant Science, 2015, 9, 220.	3.6	10
39	Contrasting impacts of drying-rewetting cycles on the dissipation of di-(2-ethylhexyl) phthalate in two typical agricultural soils. Science of the Total Environment, 2021, 792, 148433.	8.0	8
40	Enhanced biomass and cadmium accumulation by three cadmium-tolerant plant species following cold plasma seed treatment. Journal of Environmental Management, 2021, 296, 113212.	7.8	8
41	Adsorption Characteristics and Influencing Factors of Chlorimuronâ€Ethyl in Two Typical Chinese Soils. Soil Science Society of America Journal, 2011, 75, 1394-1401.	2.2	7
42	Phytoremediation of diphenylarsinic-acid-contaminated soil by Pteris vittata associated with Phyllobacterium myrsinacearum RC6b. International Journal of Phytoremediation, 2017, 19, 463-469.	3.1	7
43	Sorption of chlorimuron-ethyl on montmorillonite clays: effects of exchangeable cations, pH, and ionic strength. Environmental Science and Pollution Research, 2014, 21, 11587-11597.	5.3	6
44	Effect of sulfonated graphene on uptake, translocation, and metabolism of 2,4,4â€²-trichlorobiphenyl in maize seedlings. Environmental Science and Pollution Research, 2018, 25, 20084-20096.	5.3	6
45	Effect of composition and microstructure of humic acid on 3,3â€²,4,4â€²-tetrachlorobiphenyl sorption. Environmental Science and Pollution Research, 2018, 25, 14656-14665.	5.3	5
46	Influence of kaolinite and montmorillonite on benzo[a]pyrene biodegradation by Paracoccus aminovorans HPD-2 and the underlying interface interaction mechanisms. Pedosphere, 2022, 32, 246-255.	4.0	5
47	Interactive effects of chlorimuron-ethyl and copper(II) on their sorption and desorption on two typical Chinese soils. European Journal of Soil Science, 2011, 62, 882-890.	3.9	4
48	A highly effective polycyclic aromatic hydrocarbon-degrading bacterium, Paracoccus sp. HPD-2, shows opposite remediation potential in two soil types. Pedosphere, 2022, 32, 673-685.	4.0	3
49	Integration of Chemical Methods and Biomarkers for Assessment of Chlorimuron-Ethyl Bioavailability in Soil. Pedosphere, 2016, 26, 273-281.	4.0	1
50	Occurrence and Health Risk Assessment of Phthalate Esters in Tobacco and Soils in Tobacco-Producing Areas of Guizhou Province, Southwest China. SSRN Electronic Journal, 0, , .	0.4	0
51	Occurrence and Health Risk Assessment of Phthalate Esters in Tobacco and Soils in Tobacco-Producing Areas of Guizhou Province, Southwest China. SSRN Electronic Journal, 0, , .	0.4	0