

Zhenli He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1322276/publications.pdf>

Version: 2024-02-01

457
papers

21,298
citations

10956

71
h-index

19690

117
g-index

458
all docs

458
docs citations

458
times ranked

20235
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorine in 20 vegetable species and 25 lettuce cultivars grown on a contaminated field adjacent to a brick kiln. <i>Environmental Geochemistry and Health</i> , 2023, 45, 1655-1667.	1.8	3
2	Biochar from constructed wetland biomass waste: A review of its potential and challenges. <i>Chemosphere</i> , 2022, 287, 132259.	4.2	42
3	A field study reveals links between hyperaccumulating <i>Sedum</i> plants-associated bacterial communities and Cd/Zn uptake and translocation. <i>Science of the Total Environment</i> , 2022, 805, 150400.	3.9	22
4	Superhydrophobic leached carbon Black/Poly(vinyl) alcohol aerogel for selective removal of oils and organic compounds from water. <i>Chemosphere</i> , 2022, 286, 131520.	4.2	13
5	Toxicity effects of size fractions of incinerated sewage sludge bottom ash on human cell lines. <i>Environment International</i> , 2022, 158, 106881.	4.8	6
6	Hydrothermal conversion of Cd/Zn hyperaccumulator (<i>Sedum alfredii</i>) for heavy metal separation and hydrochar production. <i>Journal of Hazardous Materials</i> , 2022, 423, 127122.	6.5	25
7	Rhizobium rhizogenes-mediated root proliferation in Cd/Zn hyperaccumulator <i>Sedum alfredii</i> and its effects on plant growth promotion, root exudates and metal uptake efficiency. <i>Journal of Hazardous Materials</i> , 2022, 424, 127442.	6.5	24
8	Fabricating scalable, personalized wound dressings with customizable drug loadings via 3D printing. <i>Journal of Controlled Release</i> , 2022, 341, 80-94.	4.8	40
9	Roles of exogenous plant growth regulators on phytoextraction of Cd/Pb/Zn by <i>Sedum alfredii</i> Hance in contaminated soils. <i>Environmental Pollution</i> , 2022, 293, 118510.	3.7	36
10	Gas-solid reaction induced particle collision and aggregation. <i>Combustion and Flame</i> , 2022, 237, 111885.	2.8	5
11	Organic/inorganic amendments for the remediation of a red paddy soil artificially contaminated with different cadmium levels: Leaching, speciation, and phytoavailability tests. <i>Journal of Environmental Management</i> , 2022, 303, 114148.	3.8	10
12	Plastic-containing food waste conversion to biomethane, syngas, and biochar via anaerobic digestion and gasification: Focusing on reactor performance, microbial community analysis, and energy balance assessment. <i>Journal of Environmental Management</i> , 2022, 306, 114471.	3.8	14
13	Copper stress alleviation in corn (<i>Zea mays</i> L.): Comparative efficiency of carbon nanotubes and carbon nanoparticles. <i>NanoImpact</i> , 2022, 25, 100381.	2.4	13
14	3D Printing Methyl Cellulose Hydrogel Wound Dressings with Parameter Exploration Via Computational Fluid Dynamics Simulation. <i>Pharmaceutical Research</i> , 2022, 39, 281-294.	1.7	12
15	Sewage sludge ash-based mortar as construction material: Mechanical studies, macrofouling, and marine toxicity. <i>Science of the Total Environment</i> , 2022, 824, 153768.	3.9	8
16	Soil fungal communities affect the chemical quality of flue-cured tobacco leaves in Bijie, Southwest China. <i>Scientific Reports</i> , 2022, 12, 2815.	1.6	12
17	Ameliorative Effect of Silicic Acid and Silicates on Oxidative, Osmotic Stress, and Specific Ion Toxicity in Spring Wheat (<i>Triticum aestivum</i> L.) Genotypes. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2334-2345.	1.7	9
18	Assessment of Indicators in a Human Liver Cell Line HL-7702 for Tetracycline Toxicity in Farm Soil. <i>Agronomy</i> , 2022, 12, 730.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Wave Breaking Induced by Opposing Currents in Submerged Vegetation Canopies. <i>Water Resources Research</i> , 2022, 58, .	1.7	12
20	An innovative accelerated carbonation process for treatment of incineration bottom ash and biogas upgrading. <i>Waste Management</i> , 2022, 144, 203-209.	3.7	4
21	Microbial succession analysis reveals the significance of restoring functional microorganisms during rescue of failed anaerobic digesters by bioaugmentation of nano-biochar-amended digestate. <i>Bioresource Technology</i> , 2022, 352, 127102.	4.8	9
22	Hydrothermal Treatment of the Pristine and Contaminated Cd/Zn Hyperaccumulators for Bio-Oil Production and Heavy Metal Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 603-612.	3.2	8
23	Comparing soil-to-plant cadmium (Cd) transfer and potential human intake among rice cultivars with different Cd tolerance levels grown in a tropical contaminated soil. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 20.	1.3	2
24	Composted Sewage Sludge Application Reduces Mineral Fertilization Requirements and Improves Soil Fertility in Sugarcane Seedling Nurseries. <i>Sustainability</i> , 2022, 14, 4684.	1.6	6
25	Composted Sewage Sludge Application in a Sugarcane Seedling Nursery: Crop Nutritional Status, Productivity, and Technological Quality Implications. <i>Sustainability</i> , 2022, 14, 4682.	1.6	3
26	Nutrients, Osmotic and Oxidative Stress Management in Bread Wheat (<i>Triticum aestivum</i> L.) by Exogenously Applied Silicon Fertilization Under Water Deficit Natural Saline Conditions. <i>Silicon</i> , 2022, 14, 11869-11880.	1.8	2
27	The Synergistic Effect of Biochar-Combined Activated Phosphate Rock Treatments in Typical Vegetables in Tropical Sandy Soil: Results from Nutrition Supply and the Immobilization of Toxic Metals. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6431.	1.2	3
28	Topological and hydrodynamic analyses of solar thermochemical reactors for aerodynamic-aided window protection. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 1195-1210.	1.5	2
29	Sustainable and Highly Efficient Recycling of Plastic Waste into Syngas via a Chemical Looping Scheme. <i>Environmental Science & Technology</i> , 2022, 56, 8953-8963.	4.6	15
30	Application of biochar for attenuating heavy metals in contaminated soil: potential implications and research gaps. , 2022, , 77-110.		0
31	Carbon nanoparticles improve corn (<i>Zea mays</i> L.) growth and soil quality: Comparison of foliar spray and soil drench application. <i>Journal of Cleaner Production</i> , 2022, 363, 132630.	4.6	18
32	Functionalized biochars: Synthesis, characterization, and applications for removing trace elements from water. <i>Journal of Hazardous Materials</i> , 2022, 437, 129337.	6.5	28
33	Incinerated Sewage Sludge Bottom Ash- Chemical processing, Leaching patterns and Toxicity testing. <i>Journal of Hazardous Materials</i> , 2021, 402, 123350.	6.5	19
34	A review on the thermal treatment of heavy metal hyperaccumulator: Fates of heavy metals and generation of products. <i>Journal of Hazardous Materials</i> , 2021, 405, 123832.	6.5	74
35	A phytoremediation coupled with agro-production mode suppresses <i>Fusarium</i> wilt disease and alleviates cadmium phytotoxicity of cucumber (<i>Cucumis sativus</i> L.) in continuous cropping greenhouse soil. <i>Chemosphere</i> , 2021, 270, 128634.	4.2	15
36	Arsenic and mercury uptake and accumulation in oilseed sunflower accessions selected to mitigate co-contaminated soil coupled with oil and bioenergy production. <i>Journal of Cleaner Production</i> , 2021, 291, 125226.	4.6	16

#	ARTICLE	IF	CITATIONS
37	Comparative effectiveness of activated dolomite phosphate rock and biochar for immobilizing cadmium and lead in soils. <i>Chemosphere</i> , 2021, 266, 129202.	4.2	19
38	Input parameter tuning of 3D biodiesel engine simulation using parallel surrogate optimization algorithm. <i>Computers and Chemical Engineering</i> , 2021, 145, 107180.	2.0	0
39	Biochar industry to circular economy. <i>Science of the Total Environment</i> , 2021, 757, 143820.	3.9	100
40	Growth and nutritional responses of wild and domesticated cacao genotypes to soil Cd stress. <i>Science of the Total Environment</i> , 2021, 763, 144021.	3.9	12
41	A constructed wetland system with aquatic macrophytes for cleaning contaminated runoff/storm water from urban area in Florida. <i>Journal of Environmental Management</i> , 2021, 280, 111794.	3.8	47
42	Formyl tetrahydrofolate deformylase affects hydrogen peroxide accumulation and leaf senescence by regulating the folate status and redox homeostasis in rice. <i>Science China Life Sciences</i> , 2021, 64, 720-738.	2.3	9
43	Impact of Ambient and Elevated [CO ₂] in Low Light Levels on Growth, Physiology and Nutrient Uptake of Tropical Perennial Legume Cover Crops. <i>Plants</i> , 2021, 10, 193.	1.6	4
44	Spatial variation and fractionation of fluoride in tobacco-planted soils and leaf fluoride concentration in tobacco in Bijie City, Southwest China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26112-26123.	2.7	15
45	Carbon Dioxide Concentrations and Light Levels on Growth and Mineral Nutrition of Juvenile Cacao Genotypes. <i>American Journal of Plant Sciences</i> , 2021, 12, 818-839.	0.3	3
46	Syntrophic interactions in anaerobic digestion: how biochar properties affect them?. <i>Sustainable Environment</i> , 2021, 7, .	1.2	8
47	Adsorptive removal of tetracycline and amoxicillin from aqueous solution by leached carbon black waste and chitosan-carbon composite beads. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104988.	3.3	43
48	The Impact of Carbon Dioxide Concentrations and Low to Adequate Photosynthetic Photon Flux Density on Growth, Physiology and Nutrient Use Efficiency of Juvenile Cacao Genotypes. <i>Agronomy</i> , 2021, 11, 397.	1.3	12
49	COVID-19 Crisis: How Can Plant Biotechnology Help?. <i>Plants</i> , 2021, 10, 352.	1.6	12
50	Phytoavailability, translocation and soil thresholds derivation of cadmium for food safety through soil-wheat (<i>Triticum aestivum</i> L.) system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37716-37726.	2.7	8
51	Recycling of sugar crop disposal to boost the adaptation of canola (<i>Brassica napus</i> L.) to abiotic stress through different climate zones. <i>Journal of Environmental Management</i> , 2021, 281, 111881.	3.8	12
52	Physiological and metabolomics responses of two wheat (<i>Triticum aestivum</i> L.) genotypes differing in grain cadmium accumulation. <i>Science of the Total Environment</i> , 2021, 769, 145345.	3.9	48
53	Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , 2021, 271, 129542.	4.2	16
54	Water hyacinth for energy and environmental applications: A review. <i>Bioresource Technology</i> , 2021, 327, 124809.	4.8	51

#	ARTICLE	IF	CITATIONS
55	Adsorption behavior of phenanthrene in soil amended with modified loofah sponge. <i>Journal of Cleaner Production</i> , 2021, 298, 126845.	4.6	10
56	Food waste treating by biochar-assisted high-solid anaerobic digestion coupled with steam gasification: Enhanced bioenergy generation and porous biochar production. <i>Bioresource Technology</i> , 2021, 331, 125051.	4.8	29
57	Interactive assessment of lignite and bamboo-biochar for geochemical speciation, modulation and uptake of Cu and other heavy metals in the copper mine tailing. <i>Science of the Total Environment</i> , 2021, 779, 146536.	3.9	26
58	Effects of Zeolitic Urea on Nitrogen Leaching (NH ₄ -N and NO ₃ -N) and Volatilization (NH ₃) in Spodosols and Alfisols. <i>Water (Switzerland)</i> , 2021, 13, 1921.	1.2	6
59	Dynamic modeling with experimental calibration for the syngas production from biomass fixed-bed gasification. <i>AIChE Journal</i> , 2021, 67, e17366.	1.8	1
60	Application of cold-adaptive <i>Pseudomonas</i> sp. SDR4 and <i>Mortierella alpina</i> JDR7 co-immobilized on maize cob in remediating PAH-contaminated freeze-thawed soil. <i>Environmental Advances</i> , 2021, 4, 100063.	2.2	2
61	Cadmium accumulation in rice straws and derived biochars as affected by metal exposure, soil types and rice genotypes. <i>International Journal of Phytoremediation</i> , 2021, , 1-10.	1.7	2
62	Variability in soil physical-chemical properties along the root-explored profile in deep Oxisols of commercial eucalypt plantations. <i>Forest Ecology and Management</i> , 2021, 494, 119334.	1.4	2
63	3D Printing Personalized, Photocrosslinkable Hydrogel Wound Dressings for the Treatment of Thermal Burns. <i>Advanced Functional Materials</i> , 2021, 31, 2105932.	7.8	60
64	Convection enhanced delivery of light responsive antigen capturing oxygen generators for chemo-phototherapy triggered adaptive immunity. <i>Biomaterials</i> , 2021, 275, 120974.	5.7	12
65	Sepiolite clay: A review of its applications to immobilize toxic metals in contaminated soils and its implications in soil-plant system. <i>Environmental Technology and Innovation</i> , 2021, 23, 101598.	3.0	36
66	Gasification biochar from horticultural waste: An exemplar of the circular economy in Singapore. <i>Science of the Total Environment</i> , 2021, 781, 146573.	3.9	24
67	Double-edged effects of polyvinyl chloride addition on heavy metal separation and biochar production during pyrolysis of Cd/Zn hyperaccumulator. <i>Journal of Hazardous Materials</i> , 2021, 416, 125793.	6.5	21
68	Flow battery electrolyte from carbon black incineration fly ash: A feasibility study of an environment friendly disposal process. <i>Waste Management</i> , 2021, 133, 28-36.	3.7	5
69	The Cd phytoextraction potential of hyperaccumulator <i>Sedum alfredii</i> -oilseed rape intercropping system under different soil types and comprehensive benefits evaluation under field conditions. <i>Environmental Pollution</i> , 2021, 285, 117504.	3.7	24
70	Effect of supplementing hydroxy selenomethionine on meat quality of yellow feather broiler. <i>Poultry Science</i> , 2021, 100, 101389.	1.5	13
71	Phytoremediation of Cd-contaminated farmland soil via various <i>Sedum alfredii</i> -oilseed rape cropping systems: Efficiency comparison and cost-benefit analysis. <i>Journal of Hazardous Materials</i> , 2021, 419, 126489.	6.5	53
72	Effect of novel Ni ₂ P-loaded catalysts on algal pyrolysis bio-oil. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111575.	8.2	0

#	ARTICLE	IF	CITATIONS
73	Multi-objective optimization of an integrated biomass waste fixed-bed gasification system for power and biochar co-production. <i>Computers and Chemical Engineering</i> , 2021, 154, 107457.	2.0	5
74	Effects of straw return with N fertilizer reduction on crop yield, plant diseases and pests and potential heavy metal risk in a Chinese rice paddy: A field study of 2 consecutive wheat-rice cycles. <i>Environmental Pollution</i> , 2021, 288, 117741.	3.7	51
75	Variations in phytoremediation potential and phytoavailability of heavy metals in different <i>Salix</i> genotypes subjected to seasonal flooding. <i>Journal of Environmental Management</i> , 2021, 299, 113632.	3.8	7
76	Large eddy simulation of electrostatic effect on particle transport in particle-laden turbulent pipe flows. <i>Journal of Electrostatics</i> , 2021, 109, 103542.	1.0	12
77	Use of Carbon Nanoparticles to Improve Soil Fertility, Crop Growth and Nutrient Uptake by Corn (<i>Zea mays</i>) Tj ETQq1 1 0.784314 $\frac{\text{mgBT}}{\text{Overl}}$	1.9	56
78	Food-waste anaerobic digestate as a fertilizer: The agronomic properties of untreated digestate and biochar-filtered digestate residue. <i>Waste Management</i> , 2021, 136, 143-152.	3.7	41
79	Transport and retention of polymeric and other engineered nanoparticles in porous media. <i>NanoImpact</i> , 2021, 24, 100361.	2.4	6
80	Succession Pattern in Soil Micro-Ecology Under Tobacco (<i>Nicotiana tabacum</i> L.) Continuous Cropping Circumstances in Yunnan Province of Southwest China. <i>Frontiers in Microbiology</i> , 2021, 12, 785110.	1.5	8
81	Assessment of sunflower germplasm for phytoremediation of lead-polluted soil and production of seed oil and seed meal for human and animal consumption. <i>Journal of Environmental Sciences</i> , 2020, 87, 24-38.	3.2	39
82	Differences in uptake and accumulation of copper and zinc by <i>Salix</i> clones under flooded versus non-flooded conditions. <i>Chemosphere</i> , 2020, 241, 125059.	4.2	14
83	Gasification biochar from biowaste (food waste and wood waste) for effective CO ₂ adsorption. <i>Journal of Hazardous Materials</i> , 2020, 391, 121147.	6.5	132
84	Chemical looping gasification of biomass with Fe ₂ O ₃ /CaO as the oxygen carrier for hydrogen-enriched syngas production. <i>Chemical Engineering Journal</i> , 2020, 379, 122346.	6.6	165
85	New insight into the impact of biochar during vermi-stabilization of divergent biowastes: Literature synthesis and research pursuits. <i>Chemosphere</i> , 2020, 238, 124679.	4.2	38
86	Identification of high cadmium-accumulating oilseed sunflower (<i>Helianthus annuus</i>) cultivars for phytoremediation of an Oxisol and an Inceptisol. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109857.	2.9	40
87	Efficiency of lime, biochar, Fe containing biochar and composite amendments for Cd and Pb immobilization in a co-contaminated alluvial soil. <i>Environmental Pollution</i> , 2020, 257, 113609.	3.7	118
88	Hydrothermal carbonization of different wetland biomass wastes: Phosphorus reclamation and hydrochar production. <i>Waste Management</i> , 2020, 102, 106-113.	3.7	57
89	Foliage application of selenium and silicon nanoparticles alleviates Cd and Pb toxicity in rice (<i>Oryza sativa</i>) Tj ETQq1 1 0.784314 $\frac{\text{mgBT}}{\text{Overl}}$	3.9	182
90	Immobilization and sorption of Cd and Pb in contaminated stagnic anthrosols as amended with biochar and manure combined with inorganic additives. <i>Journal of Environmental Management</i> , 2020, 257, 109999.	3.8	30

#	ARTICLE	IF	CITATIONS
91	Organic soil additives for the remediation of cadmium contaminated soils and their impact on the soil-plant system: A review. <i>Science of the Total Environment</i> , 2020, 707, 136121.	3.9	108
92	Identification of wheat (<i>Triticum aestivum</i> L.) genotypes for food safety on two different cadmium contaminated soils. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7943-7956.	2.7	29
93	Influences of edaphoclimatic conditions on deep rooting and soil water availability in Brazilian Eucalyptus plantations. <i>Forest Ecology and Management</i> , 2020, 455, 117673.	1.4	10
94	Interactions between cadmium and zinc in uptake, accumulation and bioavailability for <i>Salix integra</i> with respect to phytoremediation. <i>International Journal of Phytoremediation</i> , 2020, 22, 628-637.	1.7	20
95	Mechanisms of water regime effects on uptake of cadmium and nitrate by two ecotypes of water spinach (<i>Ipomoea aquatica</i> Forsk.) in contaminated soil. <i>Chemosphere</i> , 2020, 246, 125798.	4.2	24
96	Possibility of removing cadmium pollution from the environment using a newly synthesized material coal fly ash. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4997-5008.	2.7	20
97	Bioavailability and Bioaccessibility of Cd in Low and High Cd Uptake Affinity Cultivars of <i>Brassica rapa</i> ssp. <i>Chinensis</i> L. (Pakchoi) using an In vitro Gastrointestinal and Physiologically-based Extraction Test. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 28-37.	0.6	3
98	Accumulation and distribution of cadmium and lead in 28 oilseed rape cultivars grown in a contaminated field. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2400-2411.	2.7	13
99	Activated dolomite phosphate rock fertilizers to reduce leaching of phosphorus and trace metals as compared to superphosphate. <i>Journal of Environmental Management</i> , 2020, 255, 109872.	3.8	22
100	A factorial experimental analysis of using wood fly ash as an alkaline activator along with coal fly ash for production of geopolymer-cementitious hybrids. <i>Science of the Total Environment</i> , 2020, 718, 135289.	3.9	20
101	Foliar application of zinc and selenium alleviates cadmium and lead toxicity of water spinach "Bioavailability/cytotoxicity study with human cell lines. <i>Environment International</i> , 2020, 145, 106122.	4.8	29
102	Endophytic inoculation coupled with soil amendment and foliar inhibitor ensure phytoremediation and argo-production in cadmium contaminated soil under oilseed rape-rice rotation system. <i>Science of the Total Environment</i> , 2020, 748, 142481.	3.9	28
103	Genetic and physiological regulation of folate in pak choi (<i>Brassica rapa</i> subsp. <i>Chinensis</i>) germplasm. <i>Journal of Experimental Botany</i> , 2020, 71, 4914-4929.	2.4	8
104	Metagenomic comparison of structure and function of microbial community between water, effluent and shrimp intestine of higher place <i>Litopenaeus vannamei</i> ponds. <i>Journal of Applied Microbiology</i> , 2020, 129, 243-255.	1.4	21
105	A comparative study of root cadmium radial transport in seedlings of two wheat (<i>Triticum aestivum</i>) Tj ETQq1 1 0.784314 rgBT /Over	3.7	20
106	Adsorption-Degradation of Polycyclic Aromatic Hydrocarbons in Soil by Immobilized Mixed Bacteria and Its Effect on Microbial Communities. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14907-14916.	2.4	22
107	Zeolite-Encaged Pd-Mn Nanocatalysts for CO ₂ Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 20358-20366.	1.6	22
108	Zeolite-Encaged Pd-Mn Nanocatalysts for CO ₂ Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20183-20191.	7.2	175

#	ARTICLE	IF	CITATIONS
109	Cadmium mobility in three contaminated soils amended with different additives as evaluated by dynamic flow-through experiments. <i>Chemosphere</i> , 2020, 261, 127763.	4.2	18
110	Sewage Sludge Application in Eucalyptus urograndis Plantation: Availability of Phosphorus in Soil and Wood Production. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	10
111	Experimental investigation of pressure fluctuation propagation in two orthogonal directions using a clapboard-type internally circulating fluidized bed. <i>Advanced Powder Technology</i> , 2020, 31, 3395-3407.	2.0	10
112	Use of polymeric nanoparticles to improve seed germination and plant growth under copper stress. <i>Science of the Total Environment</i> , 2020, 745, 141055.	3.9	44
113	Nano-enabled agriculture: from nanoparticles to smart nanodelivery systems. <i>Environmental Chemistry</i> , 2020, 17, 413.	0.7	58
114	A hyperaccumulator plant <i>Sedum alfredii</i> recruits Cd/Zn-tolerant but not Pb-tolerant endospheric bacterial communities from its rhizospheric soil. <i>Plant and Soil</i> , 2020, 455, 257-270.	1.8	12
115	Controlled Block Polypeptide Composed of <scp>d</scp>-Type Amino Acids: A Therapeutics Delivery Platform to Inhibit Biofilm Formation of Drug-Resistant Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 6343-6350.	2.3	10
116	Light Intensity Effects on the Growth, Physiological and Nutritional Parameters of Tropical Perennial Legume Cover Crops. <i>Agronomy</i> , 2020, 10, 1515.	1.3	10
117	Composted Sewage Sludge Enhances Soybean Production and Agronomic Performance in Naturally Infertile Soils (Cerrado Region, Brazil). <i>Agronomy</i> , 2020, 10, 1677.	1.3	11
118	Insight into the Fe ₂ O ₃ /CaO-based chemical looping process for biomass conversion. <i>Bioresource Technology</i> , 2020, 310, 123384.	4.8	22
119	Fava bean intercropping with <i>Sedum alfredii</i> inoculated with endophytes enhances phytoremediation of cadmium and lead co-contaminated field. <i>Environmental Pollution</i> , 2020, 265, 114861.	3.7	49
120	Study amino acid contents, plant growth variables and cell ultrastructural changes induced by cadmium stress between two contrasting cadmium accumulating cultivars of <i>Brassica rapa</i> ssp. <i>chinensis</i> L. (pak choi). <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110748.	2.9	30
121	Cataloging of Cd Allocation in Late Rice Cultivars Grown in Polluted Gleysol: Implications for Selection of Cultivars with Minimal Risk to Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3632.	1.2	4
122	Comparative assessment of <i>Brassica pekinensis</i> L. genotypes for phytoavoidance of nitrate, cadmium and lead in multi-pollutant field. <i>International Journal of Phytoremediation</i> , 2020, 22, 972-985.	1.7	3
123	Biomass decay rate and influencing factors of four submerged aquatic vegetation in Everglades wetland. <i>International Journal of Phytoremediation</i> , 2020, 22, 963-971.	1.7	6
124	Genotypic variations in zinc accumulation and bioaccessibility among wheat (<i>Triticum aestivum</i> L.) genotypes under two different field conditions. <i>Journal of Cereal Science</i> , 2020, 93, 102953.	1.8	16
125	Seawater intrusion impacts on groundwater and soil quality in the northern part of the Nile Delta, Egypt. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	25
126	16th International Phytotechnology Conference. Phytotechnologies for Food Safety and Environmental Health—Changsha, China, September 23–27, 2019. <i>International Journal of Phytoremediation</i> , 2020, 22, 896-899.	1.7	0

#	ARTICLE	IF	CITATIONS
127	Comparative assessment of polymeric and other nanoparticles impacts on soil microbial and biochemical properties. <i>Geoderma</i> , 2020, 367, 114278.	2.3	30
128	The integrated effect of salinity, organic amendments, phosphorus fertilizers, and deficit irrigation on soil properties, phosphorus fractionation and wheat productivity. <i>Scientific Reports</i> , 2020, 10, 2736.	1.6	81
129	The Removal of Antibiotics in Relation to a Microbial Community in an Integrated Constructed Wetland for Tail Water Decontamination. <i>Wetlands</i> , 2020, 40, 993-1004.	0.7	14
130	Optimization of operation strategies of a syngas-fueled engine in a distributed gasifier-generator system driven by horticulture waste. <i>Energy Conversion and Management</i> , 2020, 208, 112580.	4.4	10
131	Characterization of granular electrostatics generation. <i>Powder Technology</i> , 2020, 363, 74-85.	2.1	8
132	Steam co-gasification of horticultural waste and sewage sludge: Product distribution, synergistic analysis and optimization. <i>Bioresource Technology</i> , 2020, 301, 122780.	4.8	46
133	Effects of the three dual-fuel strategies on performance and emissions of a biodiesel engine. <i>Applied Energy</i> , 2020, 262, 114542.	5.1	35
134	Methane yield enhancement of mesophilic and thermophilic anaerobic co-digestion of algal biomass and food waste using algal biochar: Semi-continuous operation and microbial community analysis. <i>Bioresource Technology</i> , 2020, 302, 122892.	4.8	83
135	Insights into the binding interaction of substrate with catechol 2,3-dioxygenase from biophysics point of view. <i>Journal of Hazardous Materials</i> , 2020, 391, 122211.	6.5	28
136	Zeolite amendment enhances rice production, nitrogen accumulation and translocation in wetting and drying irrigation paddy field. <i>Agricultural Water Management</i> , 2020, 235, 106126.	2.4	22
137	Adsorption of Cd and Pb in contaminated gleysol by composite treatment of sepiolite, organic manure and lime in field and batch experiments. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110539.	2.9	15
138	The plant-growth promoting bacteria promote cadmium uptake by inducing a hormonal crosstalk and lateral root formation in a hyperaccumulator plant <i>Sedum alfredii</i> . <i>Journal of Hazardous Materials</i> , 2020, 395, 122661.	6.5	67
139	Responses of soil bacterial community and Cd phytoextraction to a <i>Sedum alfredii</i> -oilseed rape (<i>Brassica napus</i> L. and <i>Brassica juncea</i> L.) intercropping system. <i>Science of the Total Environment</i> , 2020, 723, 138152.	3.9	61
140	<i>Pseudomonas fluorescens</i> promote photosynthesis, carbon fixation and cadmium phytoremediation of hyperaccumulator <i>Sedum alfredii</i> . <i>Science of the Total Environment</i> , 2020, 726, 138554.	3.9	43
141	Impacts of biochar concentration on the growth performance of a leafy vegetable in a tropical city and its global warming potential. <i>Journal of Cleaner Production</i> , 2020, 264, 121678.	4.6	26
142	Using CO ₂ as an Oxidant in the Catalytic Pyrolysis of Peat Moss from the North Polar Region. <i>Environmental Science & Technology</i> , 2020, 54, 6329-6343.	4.6	40
143	Biochar for urban agriculture: Impacts on soil chemical characteristics and on <i>Brassica rapa</i> growth, nutrient content and metabolism over multiple growth cycles. <i>Science of the Total Environment</i> , 2020, 727, 138742.	3.9	33
144	Particle velocity measurement of binary mixtures in the riser of a circulating fluidized bed by the combined use of electrostatic sensing and high-speed imaging. <i>Petroleum Science</i> , 2020, 17, 1159-1170.	2.4	3

#	ARTICLE	IF	CITATIONS
145	A hybrid peripheral fragmentation and shrinking-core model for fixed-bed biomass gasification. <i>Chemical Engineering Journal</i> , 2020, 400, 124940.	6.6	19
146	Enhanced penetration of pro-apoptotic and anti-angiogenic micellar nanoprobe in 3D multicellular spheroids for chemophototherapy. <i>Journal of Controlled Release</i> , 2020, 323, 502-518.	4.8	22
147	Nicotianamine Synthase Gene 1 from the hyperaccumulator <i>Sedum alfredii</i> Hance is associated with Cd/Zn tolerance and accumulation in plants. <i>Plant and Soil</i> , 2019, 443, 413-427.	1.8	12
148	Mesoporous Silica-Encaged Ultrafine Bimetallic Nanocatalysts for CO ₂ Hydrogenation to Formates. <i>ChemCatChem</i> , 2019, 11, 5093-5097.	1.8	35
149	Tetracycline uptake by pak choi grown on contaminated soils and its toxicity in human liver cell line HL-7702. <i>Environmental Pollution</i> , 2019, 253, 312-321.	3.7	17
150	Remediation effectiveness of vermicompost for a potentially toxic metal-contaminated tropical acidic soil in China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109394.	2.9	16
151	Economic production of monoclinic bismuth vanadate from waste vanadium ions: Process design and cost-benefit analysis. <i>Journal of Cleaner Production</i> , 2019, 240, 118188.	4.6	6
152	Experimental and modeling investigation of an integrated biomass gasifier-engine-generator system for power generation and waste heat recovery. <i>Energy Conversion and Management</i> , 2019, 199, 112023.	4.4	24
153	Comparative assessment of Indian mustard (<i>Brassica juncea</i> L.) genotypes for phytoremediation of Cd and Pb contaminated soils. <i>Environmental Pollution</i> , 2019, 254, 113085.	3.7	64
154	Transformation of Phosphorus in Wetland Biomass during Pyrolysis and Hydrothermal Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16520-16528.	3.2	40
155	Toxic Metal Pollution and Ecological Risk Assessment in Sediments of Water Reservoirs in Southeast China. <i>Soil and Sediment Contamination</i> , 2019, 28, 695-715.	1.1	18
156	Effects of a New-Type Cleaning Agent and a Plant Growth Regulator on Phytoextraction of Cadmium from a Contaminated Soil. <i>Pedosphere</i> , 2019, 29, 161-169.	2.1	5
157	An explanation of soil amendments to reduce cadmium phytoavailability and transfer to food chain. <i>Science of the Total Environment</i> , 2019, 660, 80-96.	3.9	254
158	Localized Delivery of Pilocarpine to Hypofunctional Salivary Glands through Electrospun Nanofiber Mats: An Ex Vivo and In Vivo Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 541.	1.8	12
159	Inoculation of plant growth promoting bacteria from hyperaccumulator facilitated non-host root development and provided promising agents for elevated phytoremediation efficiency. <i>Chemosphere</i> , 2019, 234, 769-776.	4.2	64
160	Chromosome doubling of <i>Sedum alfredii</i> Hance: A novel approach for improving phytoremediation efficiency. <i>Journal of Environmental Sciences</i> , 2019, 86, 87-96.	3.2	13
161	Assessing the immobilization efficiency of organic and inorganic amendments for cadmium phytoavailability to wheat. <i>Journal of Soils and Sediments</i> , 2019, 19, 3708-3717.	1.5	26
162	Mesophilic and thermophilic anaerobic digestion of soybean curd residue for methane production: Characterizing bacterial and methanogen communities and their correlations with organic loading rate and operating temperature. <i>Bioresource Technology</i> , 2019, 288, 121597.	4.8	56

#	ARTICLE	IF	CITATIONS
163	Eisenia fetida and biochar synergistically alleviate the heavy metals content during valorization of biosolids via enhancing vermicompost quality. <i>Science of the Total Environment</i> , 2019, 684, 597-609.	3.9	52
164	Distribution, availability and translocation of heavy metals in soil-oilseed rape (<i>Brassica napus</i> L.) system related to soil properties. <i>Environmental Pollution</i> , 2019, 252, 733-741.	3.7	76
165	Preincubation and vermicomposting of divergent biosolids exhibit vice versa multielements stoichiometry and earthworm physiology. <i>Journal of Environmental Management</i> , 2019, 243, 144-156.	3.8	13
166	Short Rotation Eucalypts: Opportunities for Biochar. <i>Forests</i> , 2019, 10, 314.	0.9	7
167	Phosphate Removal from Secondary Effluents Using Coal Gangue Loaded with Zirconium Oxide. <i>Sustainability</i> , 2019, 11, 2453.	1.6	6
168	Three-stage anaerobic co-digestion of food waste and waste activated sludge: Identifying bacterial and methanogenic archaeal communities and their correlations with performance parameters. <i>Bioresource Technology</i> , 2019, 285, 121333.	4.8	20
169	Release of Heavy Metals from Dolomite Phosphate Rock after Activation with Organic Agent. <i>Journal of Environmental Quality</i> , 2019, 48, 694-700.	1.0	7
170	Bioaugmentation of Exogenous Strain <i>Rhodococcus</i> sp. 2G Can Efficiently Mitigate Di(2-ethylhexyl) Phthalate Contamination to Vegetable Cultivation. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6940-6949.	2.4	29
171	Evaluation of variation in essential nutrients and hazardous materials in spinach (<i>Spinacia oleracea</i>) Tj ETQq1 1 0.784314 rgBT /Overl Analysis, 2019, 79, 95-106.	1.9	18
172	Effects of CO ₂ application coupled with endophyte inoculation on rhizosphere characteristics and cadmium uptake by <i>Sedum alfredii</i> Hance in response to cadmium stress. <i>Journal of Environmental Management</i> , 2019, 239, 287-298.	3.8	14
173	Zeolite amendment coupled with alternate wetting and drying to reduce nitrogen loss and enhance rice production. <i>Field Crops Research</i> , 2019, 235, 95-103.	2.3	32
174	Coconut shell derived biochar to enhance water spinach (<i>Ipomoea aquatica</i> Forsk) growth and decrease nitrogen loss under tropical conditions. <i>Scientific Reports</i> , 2019, 9, 20291.	1.6	22
175	Permittivity and chemical characterization of woody biomass during pyrolysis and gasification. <i>Chemical Engineering Journal</i> , 2019, 355, 255-268.	6.6	46
176	Techno-economic analysis of geopolymers production from the coal fly ash with high iron oxide and calcium oxide contents. <i>Journal of Hazardous Materials</i> , 2019, 361, 237-244.	6.5	46
177	Interaction of <i>Lolium perenne</i> and <i>Hyphomicrobium</i> sp. GHH enhances the removal of 17 β -ethinyestradiol (EE2) from soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 1297-1305.	1.5	7
178	Characterization of fava bean (<i>Vicia faba</i> L.) genotypes for phytoremediation of cadmium and lead co-contaminated soils coupled with agro-production. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 190-198.	2.9	39
179	CO ₂ gasification of woody biomass: Experimental study from a lab-scale reactor to a small-scale autothermal gasifier. <i>Energy</i> , 2019, 170, 497-506.	4.5	78
180	Effect of gasification biochar application on soil quality: Trace metal behavior, microbial community, and soil dissolved organic matter. <i>Journal of Hazardous Materials</i> , 2019, 365, 684-694.	6.5	156

#	ARTICLE	IF	CITATIONS
181	Effects of CO ₂ application and endophytic bacterial inoculation on morphological properties, photosynthetic characteristics and cadmium uptake of two ecotypes of <i>Sedum alfredii</i> Hance. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1809-1820.	2.7	10
182	Development of Nanoparticles for Drug Delivery to Brain Tumor: The Effect of Surface Materials on Penetration Into Brain Tissue. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1736-1745.	1.6	28
183	Current status of agricultural soil pollution by heavy metals in China: A meta-analysis. <i>Science of the Total Environment</i> , 2019, 651, 3034-3042.	3.9	368
184	Characterization and ecotoxicological investigation of biochar produced via slow pyrolysis: Effect of feedstock composition and pyrolysis conditions. <i>Journal of Hazardous Materials</i> , 2019, 365, 178-185.	6.5	100
185	Effects of sewage sludge application on unfertile tropical soils evaluated by multiple approaches: A field experiment in a commercial Eucalyptus plantation. <i>Science of the Total Environment</i> , 2019, 655, 1457-1467.	3.9	24
186	Heart developmental toxicity by carbon black waste generated from oil refinery on zebrafish embryos (<i>Danio rerio</i>): Combined toxicity on heart function by nickel and vanadium. <i>Journal of Hazardous Materials</i> , 2019, 363, 127-137.	6.5	25
187	Comparative efficacy of organic and inorganic amendments for cadmium and lead immobilization in contaminated soil under rice-wheat cropping system. <i>Chemosphere</i> , 2019, 214, 259-268.	4.2	171
188	Removal of nitrate and phosphate by chitosan composited beads derived from crude oil refinery waste: Sorption and cost-benefit analysis. <i>Journal of Cleaner Production</i> , 2019, 207, 846-856.	4.6	58
189	Cadmium Exposure- <i>Sedum alfredii</i> Planting Interactions Shape the Bacterial Community in the Hyperaccumulator Plant Rhizosphere. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	60
190	Effective Recovery of Vanadium from Oil Refinery Waste into Vanadium-Based Metal-Organic Frameworks. <i>Environmental Science & Technology</i> , 2018, 52, 3008-3015.	4.6	37
191	Principles and Technologies of Phytoremediation for Metal-Contaminated Soils: A Review. , 2018, , 279-331.		2
192	An investigation on utilization of biogas and syngas produced from biomass waste in premixed spark ignition engine. <i>Applied Energy</i> , 2018, 212, 210-222.	5.1	67
193	Convection enhanced delivery of chemotherapeutic drugs into brain tumour. <i>Journal of Controlled Release</i> , 2018, 271, 74-87.	4.8	56
194	Nitrogen loading affects microbes, nitrifiers and denitrifiers attached to submerged macrophyte in constructed wetlands. <i>Science of the Total Environment</i> , 2018, 622-623, 121-126.	3.9	70
195	Model-based downdraft biomass gasifier operation and design for synthetic gas production. <i>Journal of Cleaner Production</i> , 2018, 178, 476-493.	4.6	59
196	Simultaneous syngas and biochar production during heavy metal separation from Cd/Zn hyperaccumulator (<i>Sedum alfredii</i>) by gasification. <i>Chemical Engineering Journal</i> , 2018, 347, 543-551.	6.6	97
197	Biomass decaying and elemental release of aquatic macrophyte detritus in waterways of the Indian River Lagoon basin, South Florida, USA. <i>Science of the Total Environment</i> , 2018, 635, 878-891.	3.9	18
198	Spatial-temporal variations of dissolved organic nitrogen molecular composition in agricultural runoff water. <i>Water Research</i> , 2018, 137, 375-383.	5.3	26

#	ARTICLE	IF	CITATIONS
199	Ectopic expression of SaNRAMP3 from <i>Sedum alfredii</i> enhanced cadmium root-to-shoot transport in <i>Brassica juncea</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 279-286.	2.9	28
200	Production of drug-releasing biodegradable microporous scaffold using a two-step micro-encapsulation/supercritical foaming process. <i>Journal of Supercritical Fluids</i> , 2018, 133, 263-269.	1.6	28
201	Heavy metal pollution and health risk assessment of agricultural soils in a typical peri-urban area in southeast China. <i>Journal of Environmental Management</i> , 2018, 207, 159-168.	3.8	363
202	Mechanisms of Exogenous Nitric Oxide and 24-Epi brassinolide Alleviating Chlorosis of Peanut Plants Under Iron Deficiency. <i>Pedosphere</i> , 2018, 28, 926-942.	2.1	9
203	Variation of tolerance and accumulation to excess iron in 24 willow clones: Implications for phytoextraction. <i>International Journal of Phytoremediation</i> , 2018, 20, 1284-1291.	1.7	7
204	Screening of 19 <i>Salix</i> clones in effective phytofiltration potentials of manganese, zinc and copper in pilot-scale wetlands. <i>International Journal of Phytoremediation</i> , 2018, 20, 1275-1283.	1.7	2
205	Nitrogen Removal and Energy Recovery from Sewage Sludge by Combined Hydrothermal Pretreatment and CO ₂ Gasification. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16629-16636.	3.2	20
206	Immobilization of cadmium and lead in contaminated paddy field using inorganic and organic additives. <i>Scientific Reports</i> , 2018, 8, 17839.	1.6	82
207	Towards practical application of gasification: a critical review from syngas and biochar perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 1165-1213.	6.6	64
208	Differences in Root Physiological and Proteomic Responses to Dibutyl Phthalate Exposure between Low- and High-DBP-Accumulation Cultivars of <i>Brassica parachinensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13541-13551.	2.4	13
209	Cadmium Accumulation and Tolerance in Seven Ornamental Willow Genotypes. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 644-650.	1.3	10
210	3D-Bioprinting and Micro-/Nano-Technology: Emerging Technologies in Biomedical Sciences. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 1-2.	6.6	1
211	Effect of lead on plant availability of phosphorus and potassium in a vegetable-soil system. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34793-34797.	2.7	6
212	Partial least squares analysis to describe the interactions between sediment properties and water quality in an agricultural watershed. <i>Journal of Hydrology</i> , 2018, 566, 386-395.	2.3	3
213	Cultivar-specific response of bacterial community to cadmium contamination in the rhizosphere of rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2018, 241, 63-73.	3.7	67
214	Background concentrations and quality reference values for some potentially toxic elements in soils of São Paulo State, Brazil. <i>Journal of Environmental Management</i> , 2018, 221, 10-19.	3.8	49
215	Evaluation of sewage sludge incineration ash as a potential land reclamation material. <i>Journal of Hazardous Materials</i> , 2018, 357, 63-72.	6.5	44
216	Electrical Field Guided Electrospray Deposition for Production of Gradient Particle Patterns. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18499-18506.	4.0	22

#	ARTICLE	IF	CITATIONS
217	SaZIP4, an uptake transporter of Zn/Cd hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Environmental and Experimental Botany</i> , 2018, 155, 107-117.	2.0	44
218	Particulate emission from the gasification and pyrolysis of biomass: Concentration, size distributions, respiratory deposition-based control measure evaluation. <i>Environmental Pollution</i> , 2018, 242, 1108-1118.	3.7	18
219	3D bioprinting of skin tissue: From pre-processing to final product evaluation. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 270-295.	6.6	122
220	Drug delivery systems for programmed and on-demand release. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 104-138.	6.6	229
221	3D bioprinting of tissues and organs for regenerative medicine. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 296-332.	6.6	417
222	Convection enhanced delivery of liposome encapsulated doxorubicin for brain tumour therapy. <i>Journal of Controlled Release</i> , 2018, 285, 212-229.	4.8	53
223	A modified receptor model for source apportionment of heavy metal pollution in soil. <i>Journal of Hazardous Materials</i> , 2018, 354, 161-169.	6.5	161
224	Characterization of bioenergy biochar and its utilization for metal/metalloid immobilization in contaminated soil. <i>Science of the Total Environment</i> , 2018, 640-641, 704-713.	3.9	110
225	Endophytic bacterium <i>Buttiauxella</i> sp. SaSR13 improves plant growth and cadmium accumulation of hyperaccumulator <i>Sedum alfredii</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 21844-21854.	2.7	31
226	Efficiency of Biodegradable and pH-Responsive Polysuccinimide Nanoparticles (PSI-NPs) as Smart Nanodelivery Systems in Grapefruit: In Vitro Cellular Investigation. <i>Macromolecular Bioscience</i> , 2018, 18, e1800159.	2.1	28
227	The impact of heavy metal contamination on soil health. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018, , 63-96.	0.1	10
228	Growth, Physiological and Nutrient Uptake Traits of <i>Crotalaria</i> Cover Crops Influenced by Levels of Carbon Dioxide under Low Light Intensities. <i>International Journal of Plant & Soil Science</i> , 2018, 23, 1-14.	0.2	5
229	Dominating aquatic macrophytes for the removal of nutrients from waterways of the Indian River Lagoon basin, South Florida, USA. <i>Ecological Engineering</i> , 2017, 101, 107-119.	1.6	41
230	Spatial imaging and speciation of Cu in rice (<i>Oryza sativa</i> L.) roots using synchrotron-based X-ray microfluorescence and X-ray absorption spectroscopy. <i>Chemosphere</i> , 2017, 175, 356-364.	4.2	44
231	Isolation and characterization of chromium(VI)-reducing <i>Bacillus</i> sp. FY1 and <i>Arthrobacter</i> sp. WZ2 and their bioremediation potential. <i>Bioremediation Journal</i> , 2017, 21, 100-108.	1.0	38
232	Effect of humic acid amendment on cadmium bioavailability and accumulation by pak choi (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1431-1442.	1.3	21
233	Bone morphogenetic protein-2 loaded poly(D,L-lactide-co-glycolide) microspheres enhance osteogenic potential of gelatin/hydroxyapatite/ β -tricalcium phosphate cryogel composite for alveolar ridge augmentation. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 973-981.	0.8	29
234	Mathematical Modelling of Convection Enhanced Delivery of Carmustine and Paclitaxel for Brain Tumour Therapy. <i>Pharmaceutical Research</i> , 2017, 34, 860-873.	1.7	36

#	ARTICLE	IF	CITATIONS
235	A comparison of PM exposure related to emission hotspots in a hot and humid urban environment: Concentrations, compositions, respiratory deposition, and potential health risks. <i>Science of the Total Environment</i> , 2017, 599-600, 464-473.	3.9	38
236	Fabrication of ultrasound-responsive microbubbles via coaxial electrohydrodynamic atomization for triggered release of tPA. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 282-293.	5.0	28
237	Three-stage anaerobic co-digestion of food waste and horse manure. <i>Scientific Reports</i> , 2017, 7, 1269.	1.6	69
238	Investigation of granular surface roughness effect on electrostatic charge generation. <i>Advanced Powder Technology</i> , 2017, 28, 2003-2014.	2.0	16
239	Phosphorus Availability and Release Pattern from Activated Dolomite Phosphate Rock in Central Florida. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4589-4596.	2.4	18
240	Enhanced intracellular delivery and controlled drug release of magnetic PLGA nanoparticles modified with transferrin. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 943-953.	2.8	60
241	Simultaneous sorption and catalytic oxidation of trivalent antimony by <i>Canna indica</i> derived biochars. <i>Environmental Pollution</i> , 2017, 229, 394-402.	3.7	46
242	Morphological and Physiological Responses of Plants to Cadmium Toxicity: A Review. <i>Pedosphere</i> , 2017, 27, 421-438.	2.1	243
243	Impact of different feedstocks derived biochar amendment with cadmium low uptake affinity cultivar of pak choi (<i>Brassica rapa</i> ssp. <i>chinensis</i> L.) on phytoavoidance of Cd to reduce potential dietary toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 129-138.	2.9	84
244	Anthropogenic mercury emissions from 1980 to 2012 in China. <i>Environmental Pollution</i> , 2017, 226, 230-239.	3.7	87
245	Spatiotemporal change of phosphorous speciation and concentration in stormwater in the St. Lucie Estuary watershed, South Florida. <i>Chemosphere</i> , 2017, 172, 488-495.	4.2	10
246	Energy performance of an integrated bio-and-thermal hybrid system for lignocellulosic biomass waste treatment. <i>Bioresource Technology</i> , 2017, 228, 77-88.	4.8	51
247	A rapid method for sensitive profiling of folates from plant leaf by ultra-performance liquid chromatography coupled to tandem quadrupole mass spectrometer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 169-179.	1.2	18
248	Soil microbial communities under cacao agroforestry and cover crop systems in Peru. <i>Applied Soil Ecology</i> , 2017, 120, 273-280.	2.1	21
249	Techno-economic and greenhouse gas savings assessment of decentralized biomass gasification for electrifying the rural areas of Indonesia. <i>Applied Energy</i> , 2017, 208, 495-510.	5.1	61
250	Codelivery of anti-cancer agents via double-walled polymeric microparticles/injectable hydrogel: A promising approach for treatment of triple negative breast cancer. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2931-2946.	1.7	20
251	Structural and functional variability in root-associated bacterial microbiomes of Cd/Zn hyperaccumulator <i>Sedum alfredii</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7961-7976.	1.7	52
252	Conversion of Coal Fly Ash into Zeolite Materials: Synthesis and Characterizations, Process Design, and Its Cost-Benefit Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11565-11574.	1.8	43

#	ARTICLE	IF	CITATIONS
253	Coaxial electrohydrodynamic atomization toward large scale production of core-shell structured microparticles. <i>AIChE Journal</i> , 2017, 63, 5303-5319.	1.8	22
254	An environmental friendly animal waste disposal process with ammonia recovery and energy production: Experimental study and economic analysis. <i>Waste Management</i> , 2017, 68, 636-645.	3.7	31
255	Co-gasification of woody biomass and chicken manure: Syngas production, biochar reutilization, and cost-benefit analysis. <i>Energy</i> , 2017, 139, 732-742.	4.5	76
256	Fertilization using sewage sludge in unfertile tropical soils increased wood production in Eucalyptus plantations. <i>Journal of Environmental Management</i> , 2017, 203, 51-58.	3.8	34
257	Chromium removal capability and photosynthetic characteristics of <i>Cyperus alternifolius</i> and <i>Coix lacryma-jobi</i> L. in vertical flow constructed wetland treated with hexavalent chromium bearing domestic sewage. <i>Water Science and Technology</i> , 2017, 76, 2203-2212.	1.2	10
258	Valorization of biomass to hydroxymethylfurfural, levulinic acid, and fatty acid methyl ester by heterogeneous catalysts. <i>Chemical Engineering Journal</i> , 2017, 328, 246-273.	6.6	196
259	Field crops (<i>Ipomoea aquatica</i> Forsk. and <i>Brassica chinensis</i> L.) for phytoremediation of cadmium and nitrate co-contaminated soils via rotation with <i>Sedum alfredii</i> Hance. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19293-19305.	2.7	44
260	A critical review on sustainable biochar system through gasification: Energy and environmental applications. <i>Bioresource Technology</i> , 2017, 246, 242-253.	4.8	263
261	Preparation of tPA-loaded microbubbles as potential theranostic agents: A novel one-step method via coaxial electrohydrodynamic atomization technique. <i>Chemical Engineering Journal</i> , 2017, 307, 168-180.	6.6	18
262	Chemically treated carbon black waste and its potential applications. <i>Journal of Hazardous Materials</i> , 2017, 321, 62-72.	6.5	53
263	Toxicity assessment of carbon black waste: A by-product from oil refineries. <i>Journal of Hazardous Materials</i> , 2017, 321, 600-610.	6.5	28
264	Heavy metals in composts of China: historical changes, regional variation, and potential impact on soil quality. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3194-3209.	2.7	37
265	Transcriptome Comparison Reveals the Adaptive Evolution of Two Contrasting Ecotypes of Zn/Cd Hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Frontiers in Plant Science</i> , 2017, 8, 425.	1.7	19
266	The Effects of the Endophytic Bacterium <i>Pseudomonas fluorescens</i> Sasm05 and IAA on the Plant Growth and Cadmium Uptake of <i>Sedum alfredii</i> Hance. <i>Frontiers in Microbiology</i> , 2017, 8, 2538.	1.5	95
267	Inhibition of the bioavailability of heavy metals in sewage sludge biochar by adding two stabilizers. <i>PLoS ONE</i> , 2017, 12, e0183617.	1.1	25
268	Ambient and Elevated Carbon Dioxide on Growth, Physiological and Nutrient Uptake Parameters of Perennial Leguminous Cover Crops under Low Light Intensities. <i>International Journal of Plant & Soil Science</i> , 2017, 15, 1-16.	0.2	7
269	Effect of Biochar Amendment on Bioavailability and Accumulation of Cadmium and Trace Elements in <i>Brassica chinensis</i> L. (Chinese Cabbage). <i>Journal of Agricultural Science</i> , 2016, 8, 23.	0.1	6
270	A Dual Tracer ¹⁸ F-FCH/ ¹⁸ F-FDG PET Imaging of an Orthotopic Brain Tumor Xenograft Model. <i>PLoS ONE</i> , 2016, 11, e0148123.	1.1	8

#	ARTICLE	IF	CITATIONS
271	Computational study of core-shell droplet formation in coaxial electrohydrodynamic atomization process. <i>AIChE Journal</i> , 2016, 62, 4259-4276.	1.8	29
272	Diversity, abundance and community structure of ammonia-oxidizing archaea and bacteria in riparian sediment of Zhenjiang ancient canal. <i>Ecological Engineering</i> , 2016, 90, 447-458.	1.6	23
273	Evaluation of soil amendments as a remediation alternative for cadmium-contaminated soils under cacao plantations. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17571-17580.	2.7	24
274	Toward Understanding Drug Release From Biodegradable Polymer Microspheres of Different Erosion Kinetics Modes. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1934-1946.	1.6	5
275	Rapid toxicity screening of gasification ashes. <i>Waste Management</i> , 2016, 50, 93-104.	3.7	16
276	Characterization of bacterial community in biofilm and sediments of wetlands dominated by aquatic macrophytes. <i>Ecological Engineering</i> , 2016, 97, 242-250.	1.6	91
277	Spatial and temporal variation of nitrogen concentration and speciation in runoff and storm water in the Indian River watershed, South Florida. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19561-19569.	2.7	14
278	Selenate and Nitrate Bioreductions Using Methane as the Electron Donor in a Membrane Biofilm Reactor. <i>Environmental Science & Technology</i> , 2016, 50, 10179-10186.	4.6	119
279	Double-Walled Microparticles-Embedded Self-Cross-Linked, Injectable, and Antibacterial Hydrogel for Controlled and Sustained Release of Chemotherapeutic Agents. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22785-22800.	4.0	54
280	On the association between outdoor PM _{2.5} concentration and the seasonality of tuberculosis for Beijing and Hong Kong. <i>Environmental Pollution</i> , 2016, 218, 1170-1179.	3.7	75
281	Removal of phosphate from aqueous solution using magnesium-alginate/chitosan modified biochar microspheres derived from <i>Thalia dealbata</i> . <i>Bioresource Technology</i> , 2016, 218, 1123-1132.	4.8	168
282	Comparison of the co-gasification of sewage sludge and food wastes and cost-benefit analysis of gasification- and incineration-based waste treatment schemes. <i>Bioresource Technology</i> , 2016, 218, 595-605.	4.8	105
283	Oxalate secretion from the root apex of <i>Sedum alfredii</i> contributes to hyperaccumulation of Cd. <i>Plant and Soil</i> , 2016, 398, 139-152.	1.8	52
284	Characteristics and mechanisms of acrylate polymer damage to maize seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 228-234.	2.9	15
285	Potential mechanisms of cadmium removal from aqueous solution by <i>Canna indica</i> derived biochar. <i>Science of the Total Environment</i> , 2016, 562, 517-525.	3.9	361
286	Potential application of gasification to recycle food waste and rehabilitate acidic soil from secondary forests on degraded land in Southeast Asia. <i>Journal of Environmental Management</i> , 2016, 172, 40-48.	3.8	57
287	Synthesis of intracellular reduction-sensitive amphiphilic polyethyleneimine and poly(ϵ -caprolactone) graft copolymer for on-demand release of doxorubicin and p53 plasmid DNA. <i>Acta Biomaterialia</i> , 2016, 39, 79-93.	4.1	53
288	Role of foliar application of 24-epibrassinolide in response of peanut seedlings to iron deficiency. <i>Biologia Plantarum</i> , 2016, 60, 329-342.	1.9	36

#	ARTICLE	IF	CITATIONS
289	Pyrolysis of wetland biomass waste: Potential for carbon sequestration and water remediation. <i>Journal of Environmental Management</i> , 2016, 173, 95-104.	3.8	76
290	Chemical speciation of cadmium: An approach to evaluate plant-available cadmium in Ecuadorian soils under cacao production. <i>Chemosphere</i> , 2016, 150, 57-62.	4.2	56
291	An Exogenous Source of Nitric Oxide Modulates Iron Nutritional Status in Peanut Seedlings (<i>Arachis</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.8	8
292	Genotypic differences in cadmium and nitrate co-accumulation among the Chinese cabbage genotypes under field conditions. <i>Scientia Horticulturae</i> , 2016, 201, 92-100.	1.7	44
293	Non-labile phosphorus acquisition by <i>Brachiaria</i> . <i>Journal of Plant Nutrition</i> , 2016, 39, 1319-1327.	0.9	26
294	Distribution characteristics of ammonia oxidizing microorganisms in rhizosphere sediments of cattail. <i>Ecological Engineering</i> , 2016, 88, 99-111.	1.6	13
295	Enhanced expression of SaHMA3 plays critical roles in Cd hyperaccumulation and hypertolerance in Cd hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Planta</i> , 2016, 243, 577-589.	1.6	81
296	Capacity and mechanisms of ammonium and cadmium sorption on different wetland-plant derived biochars. <i>Science of the Total Environment</i> , 2016, 539, 566-575.	3.9	208
297	Activated carbon derived from carbon residue from biomass gasification and its application for dye adsorption: Kinetics, isotherms and thermodynamic studies. <i>Bioresource Technology</i> , 2016, 200, 350-359.	4.8	435
298	Nitric oxide can induce tolerance to oxidative stress of peanut seedlings under cadmium toxicity. <i>Plant Growth Regulation</i> , 2016, 79, 19-28.	1.8	43
299	Role of Exogenous Nitric Oxide in Alleviating Iron Deficiency Stress of Peanut Seedlings (<i>Arachis</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.8	16
300	Association of Soil Aggregation with the Distribution and Quality of Organic Carbon in Soil along an Elevation Gradient on Wuyi Mountain in China. <i>PLoS ONE</i> , 2016, 11, e0150898.	1.1	15
301	Co-gasification of woody biomass and sewage sludge in a fixed-bed downdraft gasifier. <i>AIChE Journal</i> , 2015, 61, 2508-2521.	1.8	122
302	In Vitro Assessment of Cadmium Bioavailability in Chinese Cabbage Grown on Different Soils and Its Toxic Effects on Human Health. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	11
303	Characterization of Antibiotics and Antibiotic Resistance Genes on an Ecological Farm System. <i>Journal of Chemistry</i> , 2015, 2015, 1-8.	0.9	22
304	Synthesis of amphiphilic polysuccinimide star copolymers for responsive delivery in plants. <i>Chemical Communications</i> , 2015, 51, 9694-9697.	2.2	29
305	Effects of alternating wetting and drying versus continuous flooding on chromium fate in paddy soils. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 439-445.	2.9	52
306	Co-gasification of sewage sludge and woody biomass in a fixed-bed downdraft gasifier: Toxicity assessment of solid residues. <i>Waste Management</i> , 2015, 36, 241-255.	3.7	29

#	ARTICLE	IF	CITATIONS
307	Root cell wall polysaccharides are involved in cadmium hyperaccumulation in <i>Sedum alfredii</i> . <i>Plant and Soil</i> , 2015, 389, 387-399.	1.8	111
308	An integrated approach to assess heavy metal source apportionment in peri-urban agricultural soils. <i>Journal of Hazardous Materials</i> , 2015, 299, 540-549.	6.5	223
309	Iron Translocation in Two Grain Concentration Contrasting Rice (<i>Oryza Sativa</i> L. <i>Indica</i>) Genotypes. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2258-2273.	0.6	0
310	Iron Sources Effects on Growth, Physiological Parameters and Nutrition of Cacao. <i>Journal of Plant Nutrition</i> , 2015, 38, 1787-1802.	0.9	2
311	Concentration of cadmium in cacao beans and its relationship with soil cadmium in southern Ecuador. <i>Science of the Total Environment</i> , 2015, 533, 205-214.	3.9	135
312	Soil Biogeochemistry, Plant Physiology, and Phytoremediation of Cadmium-Contaminated Soils. <i>Advances in Agronomy</i> , 2015, , 135-225.	2.4	137
313	An endophytic bacterium <i>Acinetobacter calcoaceticus</i> Sasm3-enhanced phytoremediation of nitrate-cadmium compound polluted soil by intercropping <i>Sedum alfredii</i> with oilseed rape. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17625-17635.	2.7	40
314	Kinetic Modeling of Nitric Oxide Sensitization of <i>n</i> -heptane Auto-ignition and Combustion. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 997-1004.	1.2	2
315	Application of nitric oxide and calcium nitrate enhances tolerance of wheat seedlings to salt stress. <i>Plant Growth Regulation</i> , 2015, 77, 343-356.	1.8	84
316	Variations of growth, nitrogen accumulation and nitrogen use efficiency among 18 willow clones under two nitrogen regimes. <i>Agroforestry Systems</i> , 2015, 89, 67-79.	0.9	6
317	Prevalence of antibiotic resistance genes in antibiotic-resistant <i>Escherichia coli</i> isolates in surface water of Taihu Lake Basin, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11412-11421.	2.7	40
318	Variations of cadmium tolerance and accumulation among 39 <i>Salix</i> clones: implications for phytoextraction. <i>Environmental Earth Sciences</i> , 2015, 73, 3263-3274.	1.3	28
319	Uptake of Cadmium by Rice Grown on Contaminated Soils and Its Bioavailability/Toxicity in Human Cell Lines (Caco-2/HL-7702). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3599-3608.	2.4	113
320	Fate of antibiotic resistant cultivable heterotrophic bacteria and antibiotic resistance genes in wastewater treatment processes. <i>Chemosphere</i> , 2015, 135, 138-145.	4.2	93
321	Growth-Promoting Hormone DA-6 Assists Phytoextraction and Detoxification of Cd by Ryegrass. <i>International Journal of Phytoremediation</i> , 2015, 17, 597-603.	1.7	18
322	Effects of GA ₃ on Plant Physiological Properties, Extraction, Subcellular Distribution and Chemical Forms of Pb in <i>Lolium perenne</i> . <i>International Journal of Phytoremediation</i> , 2015, 17, 1153-1159.	1.7	16
323	Particle motion in a Taylor vortex. <i>International Journal of Multiphase Flow</i> , 2015, 77, 120-130.	1.6	7
324	Coaxial electrohydrodynamic atomization: Microparticles for drug delivery applications. <i>Journal of Controlled Release</i> , 2015, 205, 70-82.	4.8	81

#	ARTICLE	IF	CITATIONS
325	Natural Nanoparticles: Implications for Environment and Human Health. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 861-904.	6.6	76
326	Effect of elevated CO ₂ concentration on photosynthetic characteristics of hyperaccumulator <i>Sedum alfredii</i> under cadmium stress. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 653-660.	4.1	19
327	Electrohydrodynamic atomization: A two-decade effort to produce and process micro-/nanoparticulate materials. <i>Chemical Engineering Science</i> , 2015, 125, 32-57.	1.9	240
328	Phytoavailability of Cadmium (Cd) to Pak Choi (<i>Brassica chinensis</i> L.) Grown in Chinese Soils: A Model to Evaluate the Impact of Soil Cd Pollution on Potential Dietary Toxicity. <i>PLoS ONE</i> , 2014, 9, e111461.	1.1	49
329	Biochar Amendment Affects Leaching Potential of Copper and Nutrient Release Behavior in Contaminated Sandy Soils. <i>Journal of Environmental Quality</i> , 2014, 43, 1894-1902.	1.0	43
330	Spatial imaging of Zn and other elements in Huanglongbing-affected grapefruit by synchrotron-based micro X-ray fluorescence investigation. <i>Journal of Experimental Botany</i> , 2014, 65, 953-964.	2.4	42
331	Synergetic effects of DA-6/GA 3 with EDTA on plant growth, extraction and detoxification of Cd by <i>Lolium perenne</i> . <i>Chemosphere</i> , 2014, 117, 132-138.	4.2	37
332	Impact Assessment of Cadmium Toxicity and Its Bioavailability in Human Cell Lines (Caco-2 and HL-7702). <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	36
333	Production of PEX protein from QM7 cells cultured in polymer scaffolds in a Taylor-Couette bioreactor. <i>Biochemical Engineering Journal</i> , 2014, 88, 179-187.	1.8	7
334	Role of sulfur assimilation pathway in cadmium hyperaccumulation by <i>Sedum alfredii</i> Hance. <i>Ecotoxicology and Environmental Safety</i> , 2014, 100, 159-165.	2.9	30
335	Numerical studies of solid-solid mixing behaviors in a downer reactor for coal pyrolysis. <i>Powder Technology</i> , 2014, 253, 722-732.	2.1	33
336	Phosphorus budget and land use relationships for the Lake Okeechobee Watershed, Florida. <i>Ecological Engineering</i> , 2014, 64, 325-336.	1.6	13
337	Impacts of calcium water treatment residue on the soil-water-plant system in citrus production. <i>Plant and Soil</i> , 2014, 374, 993-1004.	1.8	16
338	A new method for separation, characterization, and quantification of natural nanoparticles from soils. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	6
339	Cadmium phytoavailability to rice (<i>Oryza sativa</i> L.) grown in representative Chinese soils. A model to improve soil environmental quality guidelines for food safety. <i>Ecotoxicology and Environmental Safety</i> , 2014, 103, 101-107.	2.9	147
340	Decision Support Systems to Manage Irrigation in Agriculture. <i>Advances in Agronomy</i> , 2014, , 229-279.	2.4	51
341	Numerical Study on Coal Gasification in the Downer Reactor of a Triple-Bed Combined Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6624-6635.	1.8	11
342	Improvement of cadmium uptake and accumulation in <i>Sedum alfredii</i> by endophytic bacteria <i>Shingomonas SaMR12</i> : Effects on plant growth and root exudates. <i>Chemosphere</i> , 2014, 117, 367-373.	4.2	106

#	ARTICLE	IF	CITATIONS
343	Droplet behavior in a Taylor vortex. <i>International Journal of Multiphase Flow</i> , 2014, 67, 132-139.	1.6	9
344	Elevated CO ₂ concentration increase the mobility of Cd and Zn in the rhizosphere of hyperaccumulator <i>Sedum alfredii</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 5899-5908.	2.7	17
345	Investigation on Electrostatic Charging and Its Effect on Mixing of Binary Particles in a Vibrating Bed. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14166-14174.	1.8	11
346	Application of electrical capacitance tomography in particulate process measurement – A review. <i>Advanced Powder Technology</i> , 2014, 25, 174-188.	2.0	91
347	Zinc uptake kinetics in the low and high-affinity systems of two contrasting rice genotypes. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 412-420.	1.1	18
348	Chromium-Resistant Bacteria Promote the Reduction of Hexavalent Chromium in Soils. <i>Journal of Environmental Quality</i> , 2014, 43, 507-516.	1.0	14
349	Effects of nitric oxide on zinc tolerance of the submerged macrophyte <i>Hydrilla verticillata</i> . <i>Aquatic Biology</i> , 2014, 23, 61-69.	0.5	7
350	Competitive sorption and desorption of cadmium and lead in paddy soils of eastern China. <i>Environmental Earth Sciences</i> , 2013, 68, 1599-1607.	1.3	17
351	Particulate copper in soils and surface runoff from contaminated sandy soils under citrus production. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8801-8812.	2.7	8
352	Moderate phosphorus application enhances Zn mobility and uptake in hyperaccumulator <i>Sedum alfredii</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 2844-2853.	2.7	26
353	Impact of mixed land-use practices on the microbial water quality in a subtropical coastal watershed. <i>Science of the Total Environment</i> , 2013, 449, 426-433.	3.9	58
354	Effect of DA-6 and EDTA alone or in combination on uptake, subcellular distribution and chemical form of Pb in <i>Lolium perenne</i> . <i>Chemosphere</i> , 2013, 93, 2782-2788.	4.2	51
355	Optical transmittance enhancement and bandgap widening of ZnO:Al powders by W codoping. <i>Journal of Materials Science</i> , 2013, 48, 316-321.	1.7	2
356	Bioremediation of Cd and carbendazim co-contaminated soil by Cd-hyperaccumulator <i>Sedum alfredii</i> associated with carbendazim-degrading bacterial strains. <i>Environmental Science and Pollution Research</i> , 2013, 20, 380-389.	2.7	65
357	Coaxial electrohydrodynamic atomization process for production of polymeric composite microspheres. <i>Chemical Engineering Science</i> , 2013, 104, 330-346.	1.9	56
358	Dissolved organic matter in relation to nutrients (N and P) and heavy metals in surface runoff water as affected by temporal variation and land uses – A case study from Indian River Area, south Florida, USA. <i>Agricultural Water Management</i> , 2013, 118, 38-49.	2.4	38
359	Short-term usage of sewage sludge as organic fertilizer to sugarcane in a tropical soil bears little threat of heavy metal contamination. <i>Journal of Environmental Management</i> , 2013, 114, 168-177.	3.8	61
360	Phytoextraction of Metals and Rhizoremediation of PAHs in Co-Contaminated Soil by Co-Planting of <i>Sedum Alfredii</i> with Ryegrass (<i>Lolium Perenne</i>) or Castor (<i>Ricinus Communis</i>). <i>International Journal of Phytoremediation</i> , 2013, 15, 283-298.	1.7	62

#	ARTICLE	IF	CITATIONS
361	Dolomite phosphate rock (DPR) application in acidic sandy soil in reducing leaching of phosphorus and heavy metals—a column leaching study. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3843-3851.	2.7	10
362	Model for Evaluation of the Phytoavailability of Chromium (Cr) to Rice (<i>Oryza sativa</i> L.) in Representative Chinese Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2925-2932.	2.4	23
363	Iron concentration, bioavailability, and nutritional quality of polished rice affected by different forms of foliar iron fertilizer. <i>Food Chemistry</i> , 2013, 141, 4122-4126.	4.2	64
364	Accumulation of Chromium in Pak Choi (<i>Brassica chinensis</i> L.) Grown on Representative Chinese Soils. <i>Journal of Environmental Quality</i> , 2013, 42, 758-765.	1.0	15
365	PURIFICATION OF REFINERY WASTEWATER BY DIFFERENT PERENNIAL GRASSES GROWING IN A FLOATING BED. <i>Journal of Plant Nutrition</i> , 2012, 35, 93-110.	0.9	45
366	Effect of elevated CO ₂ on tropical soda apple and its biological control agent <i>Gratiana boliviana</i> (Coleoptera: Chrysomelidae). <i>Biocontrol Science and Technology</i> , 2012, 22, 763-776.	0.5	6
367	Nutrients and Nonessential Elements in Soil after 11 Years of Wastewater Irrigation. <i>Journal of Environmental Quality</i> , 2012, 41, 920-927.	1.0	26
368	Dissolved Organic Carbon in Association with Water Soluble Nutrients and Metals in Soils from Lake Okeechobee Watershed, South Florida. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4075-4088.	1.1	5
369	Effect of Zinc Sulfate Fortification in Germinated Brown Rice on Seed Zinc Concentration, Bioavailability, and Seed Germination. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1871-1879.	2.4	43
370	High diversity and differential persistence of fecal Bacteroidales population spiked into freshwater microcosm. <i>Water Research</i> , 2012, 46, 247-257.	5.3	34
371	Changes of Folate and Other Potential Health-Promoting Phytochemicals in Legume Seeds As Affected by Germination. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9137-9143.	2.4	78
372	Purifying eutrophic river waters with integrated floating island systems. <i>Ecological Engineering</i> , 2012, 40, 53-60.	1.6	160
373	Folate Content and Composition of Vegetables Commonly Consumed in China. <i>Journal of Food Science</i> , 2012, 77, H239-45.	1.5	18
374	Dolomite Phosphate Rock-Based Slow-Release Fertilizer for Agriculture and Landscapes. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 1344-1362.	0.6	14
375	Effects of pH and low molecular weight organic acids on competitive adsorption and desorption of cadmium and lead in paddy soils. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6325-6335.	1.3	79
376	Mechanisms of Nickel Uptake and Hyperaccumulation by Plants and Implications for Soil Remediation. <i>Advances in Agronomy</i> , 2012, 117, 117-189.	2.4	44
377	Biofortification and Bioavailability of Rice Grain Zinc as Affected by Different Forms of Foliar Zinc Fertilization. <i>PLoS ONE</i> , 2012, 7, e45428.	1.1	83
378	Reduction Kinetics of Hexavalent Chromium in Soils and Its Correlation with Soil Properties. <i>Journal of Environmental Quality</i> , 2012, 41, 1452-1458.	1.0	51

#	ARTICLE	IF	CITATIONS
379	Computational and experimental studies of electrohydrodynamic atomization for pharmaceutical particle fabrication. <i>AIChE Journal</i> , 2012, 58, 3329-3340.	1.8	8
380	Elevated CO ₂ improves root growth and cadmium accumulation in the hyperaccumulator <i>Sedum alfredii</i> . <i>Plant and Soil</i> , 2012, 354, 325-334.	1.8	50
381	Interactive effects of Cd and PAHs on contaminants removal from co-contaminated soil planted with hyperaccumulator plant <i>Sedum alfredii</i> . <i>Journal of Soils and Sediments</i> , 2012, 12, 556-564.	1.5	57
382	Pig manure vermicompost (PMVC) can improve phytoremediation of Cd and PAHs co-contaminated soil by <i>Sedum alfredii</i> . <i>Journal of Soils and Sediments</i> , 2012, 12, 1089-1099.	1.5	39
383	Nutrient removal efficiency and biomass production of different bioenergy plants in hypereutrophic water. <i>Biomass and Bioenergy</i> , 2012, 42, 212-218.	2.9	73
384	Heavy metal phytoextraction by <i>Sedum alfredii</i> is affected by continual clipping and phosphorus fertilization amendment. <i>Journal of Environmental Sciences</i> , 2012, 24, 376-386.	3.2	50
385	Calcium water treatment residue reduces copper phytotoxicity in contaminated sandy soils. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 375-382.	6.5	13
386	Hollow chitosan-silica nanospheres for doxorubicin delivery to cancer cells with enhanced antitumor effect in vivo. <i>Journal of Materials Chemistry</i> , 2011, 21, 3147.	6.7	26
387	Development of a portable electrical capacitance tomography system. , 2011, , .		0
388	Survival of <i>Escherichia coli</i> in soil with modified microbial community composition. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1591-1599.	4.2	25
389	The phytoremediation potential of bioenergy crop <i>Ricinus communis</i> for DDTs and cadmium co-contaminated soil. <i>Bioresource Technology</i> , 2011, 102, 11034-11038.	4.8	160
390	Calcium protects roots of <i>Sedum alfredii</i> H. against cadmium-induced oxidative stress. <i>Chemosphere</i> , 2011, 84, 63-69.	4.2	101
391	Magnetic and microwave-absorbing properties of SrAl ₄ Fe ₈ O ₁₉ powders synthesized by coprecipitation and citric- combustion methods. <i>Bulletin of Materials Science</i> , 2011, 34, 463-468.	0.8	16
392	Uptake and distribution of metals by water lettuce (<i>Pistia stratiotes</i> L.). <i>Environmental Science and Pollution Research</i> , 2011, 18, 978-986.	2.7	110
393	Accumulation and availability of copper in citrus grove soils as affected by fungicide application. <i>Journal of Soils and Sediments</i> , 2011, 11, 639-648.	1.5	72
394	Microemulsion synthesis and magnetic properties of BaAl ₄ Fe ₈ O ₁₉ powders. <i>Jom</i> , 2011, 63, 34-36.	0.9	69
395	Numerical simulation of cone-jet formation in electrohydrodynamic atomization. <i>AIChE Journal</i> , 2011, 57, 57-78.	1.8	54
396	Control and enhancement of permselectivity of membrane-based microcapsules for favorable biomolecular transport and immunoisolation. <i>AIChE Journal</i> , 2011, 57, 3052-3062.	1.8	5

#	ARTICLE	IF	CITATIONS
397	Immobilization of copper in contaminated sandy soils using calcium water treatment residue. <i>Journal of Hazardous Materials</i> , 2011, 189, 710-718.	6.5	32
398	Cellular Sequestration of Cadmium in the Hyperaccumulator Plant Species <i>Sedum alfredii</i> . <i>Plant Physiology</i> , 2011, 157, 1914-1925.	2.3	172
399	Chemical Compounds Effective Against the Citrus Huanglongbing Bacterium <i>Candidatus Liberibacter asiaticus</i> ™ In Planta. <i>Phytopathology</i> , 2011, 101, 1097-1103.	1.1	89
400	Long-Term Use of Copper-Containing Fungicide Affects Microbial Properties of Citrus Grove Soils. <i>Soil Science Society of America Journal</i> , 2011, 75, 898-906.	1.2	37
401	Interactive Online Tools for Teaching Plant Identification. <i>HortTechnology</i> , 2011, 21, 504-508.	0.5	13
402	Phytoremediation to remove nutrients and improve eutrophic stormwaters using water lettuce (<i>Pistia stratiotes</i> L.). <i>Environmental Science and Pollution Research</i> , 2010, 17, 84-96.	2.7	147
403	Electric field controlled electrospray deposition for precise particle pattern and cell pattern formation. <i>AIChE Journal</i> , 2010, 56, 2607-2621.	1.8	23
404	Barium uptake by maize plants as affected by sewage sludge in a long-term field study. <i>Journal of Hazardous Materials</i> , 2010, 181, 1148-1157.	6.5	46
405	A Nylon Membrane Bag Assay for Determination of the Effect of Chemicals on Soilborne Plant Pathogens in Soil. <i>Plant Disease</i> , 2010, 94, 201-206.	0.7	38
406	Speciation of Aluminum in Solution of an Acidic Sandy Soil Amended with Organic Composts. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 2094-2110.	0.6	8
407	Electrostatic effects on inertial particle transport in bifurcated tubes. <i>AIChE Journal</i> , 2009, 55, 1390-1401.	1.8	5
408	Characterization of Taylor vortex flow in a short liquid column. <i>AIChE Journal</i> , 2009, 55, 3056-3065.	1.8	13
409	Effects of zinc and cadmium interactions on root morphology and metal translocation in a hyperaccumulating species under hydroponic conditions. <i>Journal of Hazardous Materials</i> , 2009, 169, 734-741.	6.5	111
410	Effect of probiotics on alkaline phosphatase activity and nutrient level in sediment of shrimp, <i>Penaeus vannamei</i> , ponds. <i>Aquaculture</i> , 2009, 287, 94-97.	1.7	20
411	Temporal and Spatial Variations of Copper, Cadmium, Lead, and Zinc in Ten Mile Creek in South Florida, USA. <i>Water Environment Research</i> , 2009, 81, 40-50.	1.3	17
412	Differential changes in photosynthetic capacity, chlorophyll fluorescence and chloroplast ultrastructure between Zn-efficient and Zn-inefficient rice genotypes (<i>Oryza sativa</i>) under low zinc stress. <i>Physiologia Plantarum</i> , 2008, 132, 89-101.	2.6	92
413	Nitrogen versus phosphorus limitation of phytoplankton growth in Ten Mile Creek, Florida, USA. <i>Hydrobiologia</i> , 2008, 605, 247-258.	1.0	20
414	Phosphate removal from solution using steel slag through magnetic separation. <i>Journal of Hazardous Materials</i> , 2008, 152, 211-215.	6.5	165

#	ARTICLE	IF	CITATIONS
415	Microbial activity and community diversity in a variable charge soil as affected by cadmium exposure levels and time. <i>Journal of Zhejiang University: Science B</i> , 2008, 9, 250-260.	1.3	26
416	Phytoremediation of heavy metal polluted soils and water: Progresses and perspectives. <i>Journal of Zhejiang University: Science B</i> , 2008, 9, 210-220.	1.3	396
417	Evaluation of Soil Tests for Plant Available Mercury in a Soil-Crop Rotation System. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 3032-3046.	0.6	31
418	Numerical simulation of deformation/motion of a drop suspended in viscous liquids under influence of steady electric fields. <i>Physics of Fluids</i> , 2008, 20, .	1.6	123
419	The role of bacteria in the heavy metals removal and growth of <i>Sedum alfredii</i> Hance in an aqueous medium. <i>Chemosphere</i> , 2008, 70, 489-494.	4.2	36
420	Temporal and spatial variations of nutrients in the Ten Mile Creek of South Florida, USA and effects on phytoplankton biomass. <i>Journal of Environmental Monitoring</i> , 2008, 10, 508.	2.1	19
421	Effects of Potassium Deficiency on Chloroplast Ultrastructure and Chlorophyll Fluorescence in Inefficient and Efficient Genotypes of Rice. <i>Journal of Plant Nutrition</i> , 2008, 31, 2105-2118.	0.9	34
422	Organic Amendment Effects on the Transformation and Fractionation of Aluminum in Acidic Sandy Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 2678-2694.	0.6	20
423	Accumulation Properties of Cadmium in a Selected Vegetable-Rotation System of Southeastern China. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6382-6388.	2.4	69
424	Leaching Behavior of Heavy Metals In Biosolids Amended Sandy Soils. <i>Compost Science and Utilization</i> , 2008, 16, 144-151.	1.2	9
425	LEACHING BEHAVIOR OF PHOSPHORUS IN SANDY SOILS AMENDED WITH ORGANIC MATERIAL. <i>Soil Science</i> , 2008, 173, 257-266.	0.9	21
426	Adsorption-Desorption Characteristics of Mercury in Paddy Soils of China. <i>Journal of Environmental Quality</i> , 2008, 37, 680-688.	1.0	12
427	Evaluation of Dolomite Phosphate Rock-Vero Soil Mixtures for Growth of a Horticultural Crop in an Acidic Sandy Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2007, 38, 1605-1617.	0.6	2
428	Pneumatic Transport of Granular Materials in an Inclined Conveying Pipe: A Comparison of Computational Fluid Dynamics-Discrete Element Method (CFD-DEM), Electrical Capacitance Tomography (ECT), and Particle Image Velocimetry (PIV) Results. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6066-6083.	1.8	25
429	Use of amendments to reduce leaching loss of phosphorus and other nutrients from a sandy soil in Florida. <i>Environmental Science and Pollution Research</i> , 2007, 14, 266-269.	2.7	36
430	Diffusion Modeling of Bulk Granular Attrition. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2077-2083.	1.8	11
431	Phosphorus Concentrations and Loads in Runoff Water under Crop Production. <i>Soil Science Society of America Journal</i> , 2006, 70, 1807-1816.	1.2	37
432	Zinc compartmentation in root, transport into xylem, and absorption into leaf cells in the hyperaccumulating species of <i>Sedum alfredii</i> Hance. <i>Planta</i> , 2006, 224, 185-195.	1.6	125

#	ARTICLE	IF	CITATIONS
433	Discrete element simulation for pneumatic conveying of granular material. <i>AIChE Journal</i> , 2006, 52, 496-509.	1.8	61
434	On the electrostatic equilibrium of granular flow in pneumatic conveying systems. <i>AIChE Journal</i> , 2006, 52, 3775-3793.	1.8	57
435	Experimental Studies of Hydrodynamics and Regime Transition in Bubble Columns. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 63-72.	0.9	8
436	Particle Attrition Due to Rotary Valve Feeder in a Pneumatic Conveying System: Electrostatics and Mechanical Characteristics. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 663-679.	0.9	2
437	(180) Postharvest Calcium Chloride Dips of Whole Tomato Fruit Reduce Postharvest Decay under Commercial Conditions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 1016E-1017.	0.5	3
438	Release Behavior of Copper and Zinc from Sandy Soils. <i>Soil Science Society of America Journal</i> , 2006, 70, 1699-1707.	1.2	46
439	Molecular mechanisms of heavy metal hyperaccumulation and phytoremediation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2005, 18, 339-353.	1.5	430
440	Effects of methamidophos and glyphosate on copper sorption-desorption behavior in soils. <i>Science in China Series C: Life Sciences</i> , 2005, 48, 67-75.	1.3	3
441	Electrostatics of the Granular Flow in a Pneumatic Conveying System. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7181-7199.	1.8	112
442	Spatial and temporal variations of water quality in drainage ditches within vegetable farms and citrus groves. <i>Agricultural Water Management</i> , 2004, 65, 39-57.	2.4	25
443	Long-term changes in organic carbon and nutrients of an Ultisol under rice cropping in southeast China. <i>Geoderma</i> , 2004, 118, 167-179.	2.3	134
444	Effects of Canopy and Micro-irrigation under the Trees on Spatial Variations of Soil Labile Phosphorus and Metals in a Citrus Grove. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 606-610.	0.5	0
445	Concentrations and solubility of heavy metals in muck sediments from the St. Lucie Estuary, U.S.A.. <i>Environmental Geology</i> , 2003, 44, 1-7.	1.2	23
446	Instabilities of granular material undergoing vertical vibrations: a uniformly driven layer. <i>Journal of Fluid Mechanics</i> , 2003, 492, 381-410.	1.4	3
447	Particle image velocimetry study on the pattern formation in a vertically vibrated granular bed. <i>Physics of Fluids</i> , 2003, 15, 3718-3729.	1.6	14
448	Surface Runoff Losses of Copper and Zinc in Sandy Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 909-915.	1.0	40
449	Surface Runoff Losses of Copper and Zinc in Sandy Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 909.	1.0	16
450	Electrical Capacitance Tomography Measurements on the Pneumatic Conveying of Solids. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 4216-4226.	1.8	58

#	ARTICLE	IF	CITATIONS
451	INCREASING NUTRIENT UTILIZATION AND CROP PRODUCTION IN THE RED SOIL REGIONS OF CHINA. Communications in Soil Science and Plant Analysis, 2001, 32, 1251-1263.	0.6	11
452	Microbial Biomass and Community Structure in a Sequence of Soils with Increasing Fertility and Changing Land Use. Microbial Ecology, 2000, 40, 223-237.	1.4	382
453	Microbial utilization and transformation of phosphate adsorbed by variable charge minerals. Soil Biology and Biochemistry, 1998, 30, 917-923.	4.2	56
454	Effect of phosphate on the sorption, desorption and plant-availability of selenium in soil. Fertilizer Research, 1994, 39, 189-197.	0.5	7
455	A biphasic extraction procedure for the simultaneous removal of elemental sulphur and sulphate from soils. Journal of the Science of Food and Agriculture, 1992, 59, 395-400.	1.7	4
456	High-Purity V ₂ O ₅ Nanosheets Synthesized from Gasification Waste: Flexible Energy Storage Devices and Environmental Assessment. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	5
457	Forest Trees for Biochar and Carbon Sequestration: Production and Benefits. , 0, , .		7