

# Zhenli He

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

450  
papers

14,082  
citations

59  
h-index

96  
g-index

458  
ext. papers

17,587  
ext. citations

6.6  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
450	Risk Assessment of Microplastic Pollution. <i>Emerging Contaminants and Associated Treatment Technologies</i> , <b>2022</b> , 369-387	0.5	1
449	Copper stress alleviation in corn ( <i>Zea mays</i> L.): Comparative efficiency of carbon nanotubes and carbon nanoparticles.. <i>NanoImpact</i> , <b>2022</b> , 25, 100381	5.6	1
448	3D Printing Methyl Cellulose Hydrogel Wound Dressings with Parameter Exploration Via Computational Fluid Dynamics Simulation.. <i>Pharmaceutical Research</i> , <b>2022</b> , 39, 281	4.5	0
447	Sewage sludge ash-based mortar as construction material: Mechanical studies, macrofouling, and marine toxicity.. <i>Science of the Total Environment</i> , <b>2022</b> , 153768	10.2	0
446	Gas-solid reaction induced particle collision and aggregation. <i>Combustion and Flame</i> , <b>2022</b> , 237, 111885	5.3	0
445	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> , <b>2022</b> , 306, 114471	7.9	2
444	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> , <b>2022</b> , 424, 127442	12.8	3
443	Biochar from constructed wetland biomass waste: A review of its potential and challenges. <i>Chemosphere</i> , <b>2022</b> , 287, 132259	8.4	5
442	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> , <b>2022</b> , 805, 150400	10.2	3
441	Superhydrophobic leached carbon Black/Poly(vinyl) alcohol aerogel for selective removal of oils and organic compounds from water. <i>Chemosphere</i> , <b>2022</b> , 286, 131520	8.4	5
440	Hydrothermal conversion of Cd/Zn hyperaccumulator ( <i>Sedum alfredii</i> ) for heavy metal separation and hydrochar production. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127122	12.8	1
439	Soil fungal communities affect the chemical quality of flue-cured tobacco leaves in Bijie, Southwest China.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2815	4.9	1
438	Assessment of Indicators in a Human Liver Cell Line HL-7702 for Tetracycline Toxicity in Farm Soil. <i>Agronomy</i> , <b>2022</b> , 12, 730	3.6	
437	An innovative accelerated carbonation process for treatment of incineration bottom ash and biogas upgrading.. <i>Waste Management</i> , <b>2022</b> , 144, 203-209	8.6	
436	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> , <b>2022</b> , 127102	11	0
435	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> , <b>2022</b> , 10, 603-612	8.3	1
434	Composted Sewage Sludge Application Reduces Mineral Fertilization Requirements and Improves Soil Fertility in Sugarcane Seedling Nurseries. <i>Sustainability</i> , <b>2022</b> , 14, 4684	3.6	0

433	Composted Sewage Sludge Application in a Sugarcane Seedling Nursery: Crop Nutritional Status, Productivity, and Technological Quality Implications. <i>Sustainability</i> , <b>2022</b> , 14, 4682	3.6	
432	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> , <b>2022</b> , 19, 6431	4.6	0
431	Topological and hydrodynamic analyses of solar thermochemical reactors for aerodynamic-aided window protection. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2022</b> , 16, 1195-1210	4.5	1
430	Application of biochar for attenuating heavy metals in contaminated soil: potential implications and research gaps <b>2022</b> , 77-110		
429	Succession Pattern in Soil Micro-Ecology Under Tobacco ( L.) Continuous Cropping Circumstances in Yunnan Province of Southwest China.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 785110	5.7	2
428	Fabricating scalable, personalized wound dressings with customizable drug loadings via 3D printing. <i>Journal of Controlled Release</i> , <b>2021</b> , 341, 80-94	11.7	3
427	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> , <b>2021</b> , 293, 118510	9.3	3
426	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> , <b>2021</b> , 114148	7.9	2
425	Use of Carbon Nanoparticles to Improve Soil Fertility, Crop Growth and Nutrient Uptake by Corn ( L.). <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
424	Food-waste anaerobic digestate as a fertilizer: The agronomic properties of untreated digestate and biochar-filtered digestate residue. <i>Waste Management</i> , <b>2021</b> , 136, 143-152	8.6	1
423	Transport and retention of polymeric and other engineered nanoparticles in porous media.. <i>NanoImpact</i> , <b>2021</b> , 24, 100361	5.6	0
422	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> , <b>2021</b> , 28, 37716-37726	5.1	0
421	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> , <b>2021</b> , 281, 111881	7.9	8
420	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> , <b>2021</b> , 769, 145345	10.2	11
419	Emerging pharmaceutical and organic contaminants removal using carbonaceous waste from oil refineries. <i>Chemosphere</i> , <b>2021</b> , 271, 129542	8.4	2
418	Water hyacinth for energy and environmental applications: A review. <i>Bioresource Technology</i> , <b>2021</b> , 327, 124809	11	14
417	Adsorption behavior of phenanthrene in soil amended with modified loofah sponge. <i>Journal of Cleaner Production</i> , <b>2021</b> , 298, 126845	10.3	3
416	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> , <b>2021</b> , 331, 125051	11	9

415	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> , <b>2021</b> , 779, 146536	10.2	10
414	Effects of Zeolitic Urea on Nitrogen Leaching (NH <sub>4</sub> -N and NO <sub>3</sub> -N) and Volatilization (NH <sub>3</sub> ) in Spodosols and Alfisols. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1921	3	1
413	Incinerated Sewage Sludge Bottom Ash- Chemical processing, Leaching patterns and Toxicity testing. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123350	12.8	11
412	A review on the thermal treatment of heavy metal hyperaccumulator: Fates of heavy metals and generation of products. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 405, 123832	12.8	26
411	A phytoremediation coupled with agro-production mode suppresses Fusarium wilt disease and alleviates cadmium phytotoxicity of cucumber ( <i>Cucumis sativus</i> L.) in continuous cropping greenhouse soil. <i>Chemosphere</i> , <b>2021</b> , 270, 128634	8.4	5
410	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> , <b>2021</b> , 291, 125226	10.3	8
409	Comparative effectiveness of activated dolomite phosphate rock and biochar for immobilizing cadmium and lead in soils. <i>Chemosphere</i> , <b>2021</b> , 266, 129202	8.4	11
408	Input parameter tuning of 3D biodiesel engine simulation using parallel surrogate optimization algorithm. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 145, 107180	4	
407	Biochar industry to circular economy. <i>Science of the Total Environment</i> , <b>2021</b> , 757, 143820	10.2	43
406	Growth and nutritional responses of wild and domesticated cacao genotypes to soil Cd stress. <i>Science of the Total Environment</i> , <b>2021</b> , 763, 144021	10.2	2
405	A constructed wetland system with aquatic macrophytes for cleaning contaminated runoff/storm water from urban area in Florida. <i>Journal of Environmental Management</i> , <b>2021</b> , 280, 111794	7.9	18
404	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> , <b>2021</b> , 64, 720-738	8.5	4
403	Impact of Ambient and Elevated [CO <sub>2</sub> ] in Low Light Levels on Growth, Physiology and Nutrient Uptake of Tropical Perennial Legume Cover Crops. <i>Plants</i> , <b>2021</b> , 10,	4.5	1
402	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> , <b>2021</b> , 28, 26112-26123	5.1	2
401	Carbon Dioxide Concentrations and Light Levels on Growth and Mineral Nutrition of Juvenile Cacao Genotypes. <i>American Journal of Plant Sciences</i> , <b>2021</b> , 12, 818-839	0.5	1
400	Syntrophic interactions in anaerobic digestion: how biochar properties affect them?. <i>Sustainable Environment</i> , <b>2021</b> , 7, 1945282		1
399	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> , <b>2021</b> , 9, 104988	6.8	12
398	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> , <b>2021</b> , 11, 397	3.6	4

397	COVID-19 Crisis: How Can Plant Biotechnology Help?. <i>Plants</i> , <b>2021</b> , 10,	4.5	7
396	Dynamic modeling with experimental calibration for the syngas production from biomass fixed-bed gasification. <i>AIChE Journal</i> , <b>2021</b> , 67, e17366	3.6	1
395	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> , <b>2021</b> , 4, 1000635	2.5	2
394	Cadmium accumulation in rice straws and derived biochars as affected by metal exposure, soil types and rice genotypes. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-10	3.9	0
393	Variability in soil physical-chemical properties along the root-explored profile in deep Oxisols of commercial eucalypt plantations. <i>Forest Ecology and Management</i> , <b>2021</b> , 494, 119334	3.9	1
392	Convection enhanced delivery of light responsive antigen capturing oxygen generators for chemo-phototherapy triggered adaptive immunity. <i>Biomaterials</i> , <b>2021</b> , 275, 120974	15.6	2
391	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> , <b>2021</b> , 23, 101598	7	12
390	Gasification biochar from horticultural waste: An exemplar of the circular economy in Singapore. <i>Science of the Total Environment</i> , <b>2021</b> , 781, 146573	10.2	6
389	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> , <b>2021</b> , 416, 125793	12.8	7
388	Flow battery electrolyte from carbon black incineration fly ash: A feasibility study of an environment friendly disposal process. <i>Waste Management</i> , <b>2021</b> , 133, 28-36	8.6	1
387	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> , <b>2021</b> , 285, 117504	9.3	2
386	Effect of supplementing hydroxy selenomethionine on meat quality of yellow feather broiler. <i>Poultry Science</i> , <b>2021</b> , 100, 101389	3.9	1
385	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> , <b>2021</b> , 419, 126489	12.8	8
384	Effect of novel Ni2P-loaded catalysts on algal pyrolysis bio-oil. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 151, 111575	16.2	
383	Multi-objective optimization of an integrated biomass waste fixed-bed gasification system for power and biochar co-production. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 154, 107457	4	1
382	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> , <b>2021</b> , 288, 117741	9.3	9
381	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> , <b>2021</b> , 299, 113632	7.9	2
380	Toxicity effects of size fractions of incinerated sewage sludge bottom ash on human cell lines. <i>Environment International</i> , <b>2021</b> , 158, 106881	12.9	0

379	Large eddy simulation of electrostatic effect on particle transport in particle-laden turbulent pipe flows. <i>Journal of Electrostatics</i> , <b>2021</b> , 109, 103542	1.7	2
378	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> , <b>2021</b> , 194, 20	3.1	0
377	Light Intensity Effects on the Growth, Physiological and Nutritional Parameters of Tropical Perennial Legume Cover Crops. <i>Agronomy</i> , <b>2020</b> , 10, 1515	3.6	2
376	Composted Sewage Sludge Enhances Soybean Production and Agronomic Performance in Naturally Infertile Soils (Cerrado Region, Brazil). <i>Agronomy</i> , <b>2020</b> , 10, 1677	3.6	6
375	Insight into the FeO/CaO-based chemical looping process for biomass conversion. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123384	11	13
374	Fava bean intercropping with <i>Sedum alfredii</i> inoculated with endophytes enhances phytoremediation of cadmium and lead co-contaminated field. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114881	8.3	21
373	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> , <b>2020</b> , 200, 110748	7	17
372	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> , <b>2020</b> , 17,	4.6	1
371	Comparative assessment of L. genotypes for phytoavoidance of nitrate, cadmium and lead in multi-pollutant field. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 972-985	3.9	1
370	Biomass decay rate and influencing factors of four submerged aquatic vegetation in Everglades wetland. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 963-971	3.9	1
369	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> , <b>2020</b> , 93, 102953	3.8	6
368	Seawater intrusion impacts on groundwater and soil quality in the northern part of the Nile Delta, Egypt. <i>Environmental Earth Sciences</i> , <b>2020</b> , 79, 1	2.9	13
367	"16th International Phytotechnology Conference. Phytotechnologies for Food Safety and Environmental Health" Changsha, China, September 23-27, 2019. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 896-899	3.9	
366	Comparative assessment of polymeric and other nanoparticles impacts on soil microbial and biochemical properties. <i>Geoderma</i> , <b>2020</b> , 367, 114278	6.7	17
365	The integrated effect of salinity, organic amendments, phosphorus fertilizers, and deficit irrigation on soil properties, phosphorus fractionation and wheat productivity. <i>Scientific Reports</i> , <b>2020</b> , 10, 2736	4.9	36
364	The Removal of Antibiotics in Relation to a Microbial Community in an Integrated Constructed Wetland for Tail Water Decontamination. <i>Wetlands</i> , <b>2020</b> , 40, 993-1004	1.7	8
363	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> , <b>2020</b> , 208, 112580	10.6	7
362	Characterization of granular electrostatics generation. <i>Powder Technology</i> , <b>2020</b> , 363, 74-85	5.2	4

361	Steam co-gasification of horticultural waste and sewage sludge: Product distribution, synergistic analysis and optimization. <i>Bioresource Technology</i> , <b>2020</b> , 301, 122780	11	22
360	Effects of the three dual-fuel strategies on performance and emissions of a biodiesel engine. <i>Applied Energy</i> , <b>2020</b> , 262, 114542	10.7	19
359	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> , <b>2020</b> , 302, 122892	11	40
358	Insights into the binding interaction of substrate with catechol 2,3-dioxygenase from biophysics point of view. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 122211	12.8	12
357	Zeolite amendment enhances rice production, nitrogen accumulation and translocation in wetting and drying irrigation paddy field. <i>Agricultural Water Management</i> , <b>2020</b> , 235, 106126	5.9	8
356	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> , <b>2020</b> , 196, 110539	7.3	8
355	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> , <b>2020</b> , 395, 122661	12.8	30
354	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> , <b>2020</b> , 723, 138152	10.2	28
353	<i>Pseudomonas fluorescens</i> promote photosynthesis, carbon fixation and cadmium phytoremediation of hyperaccumulator <i>Sedum alfredii</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 726, 138554	10.2	18
352	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> , <b>2020</b> , 264, 121678	10.3	12
351	Using CO as an Oxidant in the Catalytic Pyrolysis of Peat Moss from the North Polar Region. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 6329-6343	10.3	25
350	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> , <b>2020</b> , 727, 138742	10.2	17
349	Enhanced penetration of pro-apoptotic and anti-angiogenic micellar nanoprobe in 3D multicellular spheroids for chemophototherapy. <i>Journal of Controlled Release</i> , <b>2020</b> , 323, 502-518	11.7	10
348	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> , <b>2020</b> , 187, 109857	7	28
347	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> , <b>2020</b> , 257, 113609	9.3	69
346	Hydrothermal carbonization of different wetland biomass wastes: Phosphorus reclamation and hydrochar production. <i>Waste Management</i> , <b>2020</b> , 102, 106-113	8.6	28
345	Foliage application of selenium and silicon nanoparticles alleviates Cd and Pb toxicity in rice ( <i>Oryza sativa</i> L.). <i>Science of the Total Environment</i> , <b>2020</b> , 712, 136497	10.2	76
344	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> , <b>2020</b> , 257, 109999	7.9	17

343	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> , <b>2020</b> , 707, 136121	10.2	47
342	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> , <b>2020</b> , 27, 7943-7956	5.1	15
341	Influences of edaphoclimatic conditions on deep rooting and soil water availability in Brazilian Eucalyptus plantations. <i>Forest Ecology and Management</i> , <b>2020</b> , 455, 117673	3.9	2
340	Interactions between cadmium and zinc in uptake, accumulation and bioavailability for with respect to phytoremediation. <i>International Journal of Phytoremediation</i> , <b>2020</b> , 22, 628-637	3.9	4
339	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> , <b>2020</b> , 246, 125798	8.4	9
338	Possibility of removing cadmium pollution from the environment using a newly synthesized material coal fly ash. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 4997-5008	5.1	10
337	Bioavailability and Bioaccessibility of Cd in Low and High Cd Uptake Affinity Cultivars of Brassica rapa ssp. Chinensis L. (Pakchoi) using an In vitro Gastrointestinal and Physiologically-based Extraction Test. <i>Communications in Soil Science and Plant Analysis</i> , <b>2020</b> , 51, 28-37	1.5	2
336	Accumulation and distribution of cadmium and lead in 28 oilseed rape cultivars grown in a contaminated field. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 2400-2411	5.1	4
335	Activated dolomite phosphate rock fertilizers to reduce leaching of phosphorus and trace metals as compared to superphosphate. <i>Journal of Environmental Management</i> , <b>2020</b> , 255, 109872	7.9	13
334	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> , <b>2020</b> , 718, 135289	10.2	10
333	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> , <b>2020</b> , 145, 106122	12.9	9
332	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> , <b>2020</b> , 748, 142481	10.2	8
331	Genetic and physiological regulation of folate in pak choi ( <i>Brassica rapa</i> subsp. Chinensis) germplasm. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 4914-4929	7	2
330	Metagenomic comparison of structure and function of microbial community between water, effluent and shrimp intestine of higher place Litopenaeus vannamei ponds. <i>Journal of Applied Microbiology</i> , <b>2020</b> , 129, 243-255	4.7	8
329	A comparative study of root cadmium radial transport in seedlings of two wheat ( <i>Triticum aestivum</i> L.) genotypes differing in grain cadmium accumulation. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115235	9.3	6
328	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> , <b>2020</b> , 68, 14907-14916	5.7	11
327	Zeolite-Encaged Pd/Mn Nanocatalysts for CO <sub>2</sub> Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20358-20366	3.6	16
326	Zeolite-Encaged Pd-Mn Nanocatalysts for CO Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20183-20191	16.4	52



325	Cadmium mobility in three contaminated soils amended with different additives as evaluated by dynamic flow-through experiments. <i>Chemosphere</i> , <b>2020</b> , 261, 127763	8.4	11
324	Sewage Sludge Application in Eucalyptus urograndis Plantation: Availability of Phosphorus in Soil and Wood Production. <i>Frontiers in Environmental Science</i> , <b>2020</b> , 8,	4.8	6
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321	Nano-enabled agriculture: from nanoparticles to smart nanodelivery systems. <i>Environmental Chemistry</i> , <b>2020</b> , 17, 413	3.2	23
320	Forest Trees for Biochar and Carbon Sequestration: Production and Benefits <b>2020</b> ,		3
319	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> , <b>2020</b> , 455, 257-270	4.2	4
318	Controlled Block Polypeptide Composed of d-Type Amino Acids: A Therapeutics Delivery Platform to Inhibit Biofilm Formation of Drug-Resistant Bacteria.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 6343-6350	4.1	4
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316	Differences in uptake and accumulation of copper and zinc by <i>Salix</i> clones under flooded versus non-flooded conditions. <i>Chemosphere</i> , <b>2020</b> , 241, 125059	8.4	9
315	Gasification biochar from biowaste (food waste and wood waste) for effective CO adsorption. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 121147	12.8	62
314	Chemical looping gasification of biomass with Fe <sub>2</sub> O <sub>3</sub> /CaO as the oxygen carrier for hydrogen-enriched syngas production. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122346	14.7	81
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312	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> , <b>2020</b> , 17, 1159-1170	4.4	1
311	A hybrid peripheral fragmentation and shrinking-core model for fixed-bed biomass gasification. <i>Chemical Engineering Journal</i> , <b>2020</b> , 400, 124940	14.7	14
310	Comparative assessment of Indian mustard ( <i>Brassica juncea</i> L.) genotypes for phytoremediation of Cd and Pb contaminated soils. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113085	9.3	34
309	Transformation of Phosphorus in Wetland Biomass during Pyrolysis and Hydrothermal Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16520-16528	8.3	14
308	Toxic Metal Pollution and Ecological Risk Assessment in Sediments of Water Reservoirs in Southeast China. <i>Soil and Sediment Contamination</i> , <b>2019</b> , 28, 695-715	3.2	10

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198	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> , <b>2017</b> , 24, 19293-19305	5.1	30
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196	Preparation of tPA-loaded microbubbles as potential theranostic agents: A novel one-step method via coaxial electrohydrodynamic atomization technique. <i>Chemical Engineering Journal</i> , <b>2017</b> , 307, 168-180	14.7	13
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