

Zenqqiang Zhang

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.

296 papers	11,002 citations	56 h-index	91 g-index
319 ext. papers	14,930 ext. citations	8.3 avg, IF	6.93 L-index

#	Paper	IF	Citations
296	Agricultural waste biorefinery development towards circular bioeconomy. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112122	16.2	13
295	Solid digestate biochar amendment on pig manure composting: Nitrogen cycle and balance.. <i>Bioresource Technology</i> , 2022 , 349, 126848	11	3
294	Multi-criteria research lines on livestock manure biorefinery development towards a circular economy: From the perspective of a life cycle assessment and business models strategies. <i>Journal of Cleaner Production</i> , 2022 , 341, 130862	10.3	9
293	Effect of micronutrient selenium on greenhouse gas emissions and related functional genes during goat manure composting.. <i>Bioresource Technology</i> , 2022 , 126805	11	3
292	Magnetic biochar composite decorated with amino-containing biopolymer for phosphorus recovery from swine wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 634, 127980	5.1	1
291	Cattle manure compost humification process by inoculation ammonia-oxidizing bacteria. <i>Bioresource Technology</i> , 2022 , 344, 126314	11	6
290	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 156, 111987	16.2	10
289	Recent trends and developments on integrated biochemical conversion process for valorization of dairy waste to value added bioproducts: A review. <i>Bioresource Technology</i> , 2022 , 344, 126193	11	7
288	Effects of further composting black soldier fly larvae manure on toxic metals and resistant bacteria communities by cornstalk amendment. <i>Science of the Total Environment</i> , 2022 , 806, 150699	10.2	5
287	Effects of microplastics on humification and fungal community during cow manure composting. <i>Science of the Total Environment</i> , 2022 , 803, 150029	10.2	7
286	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022 , 802, 149823	10.2	21
285	Elimination of <i>Microcystis aeruginosa</i> in water via dielectric barrier discharge plasma: Efficacy, mechanism and toxin release. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126956	12.8	3
284	Zirconium hydroxide nanoparticle encapsulated magnetic biochar composite derived from rice residue: Application for As(III) and As(V) polluted water purification. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127081	12.8	16
283	Sustainable biowaste recycling toward zero waste approaches 2022 , 3-22		
282	Composting as a sustainable technology for integrated municipal solid waste management 2022 , 23-39		0
281	Black soldier fly larvae for organic manure recycling and its potential for a circular bioeconomy: A review.. <i>Science of the Total Environment</i> , 2022 , 155122	10.2	4
280	Emerging trends of microbial technology for the production of oligosaccharides from biowaste and their potential application as prebiotic.. <i>International Journal of Food Microbiology</i> , 2022 , 368, 109610	5.8	6

279	Processing of municipal solid waste resources for a circular economy in China: An overview. <i>Fuel</i> , 2022 , 317, 123478	7.1	4
278	Sustainable biochar effects on the remediation of contaminated soil: A 2-crop season site practice near a lead-zinc smelter in Feng County, China.. <i>Environmental Pollution</i> , 2022 , 119095	9.3	1
277	Bacterial dynamics during the anaerobic digestion of toxic citrus fruit waste and semi-continues volatile fatty acids production in membrane bioreactors. <i>Fuel</i> , 2022 , 319, 123812	7.1	2
276	Synthetic organic antibiotics residues as emerging contaminants waste-to-resources processing for a circular economy in China: Challenges and perspective.. <i>Environmental Research</i> , 2022 , 113075	7.9	5
275	Biosorption of hexavalent chromium from aqueous solution by pristine and CaCl-modified erythromycin production residues.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	
274	Enhancing microplastics biodegradation during composting using livestock manure biochar.. <i>Environmental Pollution</i> , 2022 , 119339	9.3	1
273	Role of selenite on the nitrogen conservation and greenhouse gases mitigation during the goat manure composting process.. <i>Science of the Total Environment</i> , 2022 , 155799	10.2	1
272	Microbial biotechnology approaches for conversion of pineapple waste in to emerging source of healthy food for sustainable environment.. <i>International Journal of Food Microbiology</i> , 2022 , 373, 109714	5.8	1
271	Remediation of Cd and Zn contaminated soil by zero valent iron (Fe0): A field trial. <i>Environmental Technology and Innovation</i> , 2022 , 28, 102603	7	
270	Biochar for clean composting and organic fertilizer production 2022 , 105-116		
269	Potential of biochar integrated manganese sulfate for promoting pig manure compost humification and its biological mechanism. <i>Bioresource Technology</i> , 2022 , 357, 127350	11	0
268	Effect of inoculation with newly isolated thermotolerant ammonia-oxidizing bacteria on nitrogen conversion and microbial community during cattle manure composting. <i>Journal of Environmental Management</i> , 2022 , 317, 115474	7.9	0
267	A versatile EDTA and chitosan bi-functionalized magnetic bamboo biochar for simultaneous removal of methyl orange and heavy metals from complex wastewater. <i>Environmental Pollution</i> , 2021 , 293, 118517	9.3	2
266	Biochar regulates bacterial-fungal diversity and associated enzymatic activity during sheep manure composting.. <i>Bioresource Technology</i> , 2021 , 346, 126647	11	1
265	Current state of the art biotechnological strategies for conversion of watermelon wastes residues to biopolymers production: A review.. <i>Chemosphere</i> , 2021 , 290, 133310	8.4	4
264	Effect of biochar addition on the dynamics of antibiotic resistant bacteria during the pig manure composting.. <i>Science of the Total Environment</i> , 2021 , 814, 152688	10.2	3
263	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review.. <i>Journal of Hazardous Materials</i> , 2021 , 427, 128131	12.8	7
262	Enhanced removal of acid orange II from aqueous solution by V and N co-doping TiO-MWCNTs/EAO composite photocatalyst induced by pulsed discharge plasma. <i>Water Science and Technology</i> , 2021 , 83, 257-270	2.2	2

261	Bioengineered Biochar As Smart Candidate For Resource Recovery Toward Circular Bio-Economy: A Review. <i>Bioengineered</i> , 2021 ,	5.7	10
260	Film Based Packaging for Food Safety and Preservation: Issues and Perspectives 2021 , 309-336		1
259	Earthworms as candidates for remediation of potentially toxic elements contaminated soils and mitigating the environmental and human health risks: A review. <i>Environment International</i> , 2021 , 158, 106924	12.9	3
258	AI4AD: Artificial intelligence analysis for Alzheimer's disease classification based on a multisite DTI database. <i>Brain Disorders</i> , 2021 , 1, 100005		5
257	Resource Recovery and Recycling from Livestock Manure: Current Statue, Challenges, and Future Prospects for Sustainable Management 2021 , 137-166		
256	Changes of fungal diversity in fine coal gasification slag amendment pig manure composting. <i>Bioresource Technology</i> , 2021 , 325, 124703	11	11
255	Sequential presence of heavy metal resistant fungal communities influenced by biochar amendment in the poultry manure composting process. <i>Journal of Cleaner Production</i> , 2021 , 291, 125947	10.3	13
254	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124967	12.8	56
253	Green remediation of toxic metals contaminated mining soil using bacterial consortium and <i>Brassica juncea</i> . <i>Environmental Pollution</i> , 2021 , 277, 116789	9.3	23
252	Bone-derived biochar improved soil quality and reduced Cd and Zn phytoavailability in a multi-metal contaminated mining soil. <i>Environmental Pollution</i> , 2021 , 277, 116800	9.3	21
251	Pathways and mechanisms of nitrogen transformation during co-composting of pig manure and diatomite. <i>Bioresource Technology</i> , 2021 , 329, 124914	11	17
250	<i>Streptomyces pactum</i> addition to contaminated mining soils improved soil quality and enhanced metals phytoextraction by wheat in a green remediation trial. <i>Chemosphere</i> , 2021 , 273, 129692	8.4	16
249	Conversion food waste and sawdust into compost employing black soldier fly larvae (diptera: Stratiomyidae) under the optimized condition. <i>Chemosphere</i> , 2021 , 272, 129931	8.4	12
248	A critical review on the development stage of biorefinery systems towards the management of apple processing-derived waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110972	16.2	31
247	Improvement of the composition and humification of different animal manures by black soldier fly bioconversion. <i>Journal of Cleaner Production</i> , 2021 , 278, 123397	10.3	13
246	Fe/Mn- and P-modified drinking water treatment residuals reduced Cu and Pb phytoavailability and uptake in a mining soil. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123628	12.8	53
245	Bioremediation of Cd-spiked soil using earthworms (<i>Eisenia fetida</i>): Enhancement with biochar and <i>Bacillus megatherium</i> application. <i>Chemosphere</i> , 2021 , 264, 128517	8.4	12
244	Tea leaves biochar as a carrier of <i>Bacillus cereus</i> improves the soil function and crop productivity. <i>Applied Soil Ecology</i> , 2021 , 157, 103732	5	19

243	A critical review on livestock manure biorefinery technologies: Sustainability, challenges, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 135, 110033	16.2	67
242	Cleaner production of agriculturally valuable benignant materials from industry generated bio-wastes: A review. <i>Bioresource Technology</i> , 2021 , 320, 124281	11	34
241	Can biochar regulate the fate of heavy metals (Cu and Zn) resistant bacteria community during the poultry manure composting?. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124593	12.8	25
240	Resource recovery and biorefinery potential of apple orchard waste in the circular bioeconomy. <i>Bioresource Technology</i> , 2021 , 321, 124496	11	39
239	Food waste biorefinery: case study in China for enhancing the emerging bioeconomy 2021 , 421-438		1
238	Municipal solid waste biorefineries: A case study in China 2021 , 439-457		4
237	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 144, 110837	16.2	39
236	Sustainable blueberry waste recycling towards biorefinery strategy and circular bioeconomy: A review. <i>Bioresource Technology</i> , 2021 , 332, 125181	11	21
235	<i>Streptomyces pactum</i> and sulfur mediated the rhizosphere microhabitats of potherb mustard after a phytoextraction trial. <i>Environmental Pollution</i> , 2021 , 281, 116968	9.3	1
234	The degradation performance of different microplastics and their effect on microbial community during composting process. <i>Bioresource Technology</i> , 2021 , 332, 125133	11	28
233	Elucidating the optimum added dosage of Diatomite during co-composting of pig manure and sawdust: Carbon dynamics and microbial community. <i>Science of the Total Environment</i> , 2021 , 777, 146058	10.2	11
232	Critical review on technological advancements for effective waste management of municipal solid waste [Updates and way forward. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101749	7	24
231	Microbially induced calcium precipitation based simultaneous removal of fluoride, nitrate, and calcium by <i>Pseudomonas</i> sp. WZ39: Mechanisms and nucleation pathways. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125914	12.8	21
230	Distribution of heavy metal resistant bacterial community succession in cow manure biochar amended sheep manure compost. <i>Bioresource Technology</i> , 2021 , 335, 125282	11	14
229	Fungal dynamics during anaerobic digestion of sewage sludge combined with food waste at high organic loading rates in immersed membrane bioreactors. <i>Bioresource Technology</i> , 2021 , 335, 125296	11	13
228	Patterns of heavy metal resistant bacterial community succession influenced by biochar amendment during poultry manure composting. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126562	12.8	20
227	Production and beneficial impact of biochar for environmental application: A comprehensive review. <i>Bioresource Technology</i> , 2021 , 337, 125451	11	52
226	Microbial dynamics during anaerobic digestion of sewage sludge combined with food waste at high organic loading rates in immersed membrane bioreactors. <i>Fuel</i> , 2021 , 303, 121276	7.1	16

225	Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in a mining-contaminated soil. <i>Chemosphere</i> , 2021 , 282, 131016	8.4	8
224	Evaluation of cornstalk as bulking agent on greenhouse gases emission and bacterial community during further composting. <i>Bioresource Technology</i> , 2021 , 340, 125713	11	9
223	Methanogen and nitrifying genes dynamics in immersed membrane bioreactors during anaerobic co-digestion of different organic loading rates food waste. <i>Bioresource Technology</i> , 2021 , 342, 125920	11	4
222	<i>Streptomyces pactum</i> and <i>Bacillus</i> consortium influenced the bioavailability of toxic metals, soil health, and growth attributes of <i>Symphytum officinale</i> in smelter/mining polluted soil. <i>Environmental Pollution</i> , 2021 , 291, 118237	9.3	3
221	<i>Bacillus subtilis</i> and saponin shifted the availability of heavy metals, health indicators of smelter contaminated soil, and the physiological indicators of <i>Symphytum officinale</i> . <i>Chemosphere</i> , 2021 , 285, 131454	8.4	5
220	Biopolymer poly-hydroxyalkanoates (PHA) production from apple industrial waste residues: A review. <i>Chemosphere</i> , 2021 , 284, 131427	8.4	27
219	Waste Biorefinery Development Toward Circular Bioeconomy With a Focus on Life-Cycle Assessment 2021 , 199-230		2
218	Life-cycle assessment for solid waste and waste water treatment 2021 , 285-320		
217	Succession of bacterial community during composting: dissimilarity between compost mixture and biochar additive. <i>Biochar</i> , 2021 , 3, 229-237	10	5
216	Research on Evaluation Index System of Urban Energy Internet Development. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 446, 022052	0.3	0
215	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109876	16.2	98
214	Grab-AD: Generalizability and reproducibility of altered brain activity and diagnostic classification in Alzheimer's Disease. <i>Human Brain Mapping</i> , 2020 , 41, 3379-3391	5.9	15
213	Effect of clay on greenhouse gas emissions and humification during pig manure composting as supported by spectroscopic evidence. <i>Science of the Total Environment</i> , 2020 , 737, 139712	10.2	23
212	Effect of red kaolin on the diversity of functional genes based on Kyoto Encyclopedia of Genes and Genomes pathways during chicken manure composting. <i>Bioresource Technology</i> , 2020 , 311, 123584	11	8
211	Effect of microplastics on greenhouse gas and ammonia emissions during aerobic composting. <i>Science of the Total Environment</i> , 2020 , 737, 139856	10.2	23
210	Apricot shell- and apple tree-derived biochar affect the fractionation and bioavailability of Zn and Cd as well as the microbial activity in smelter contaminated soil. <i>Environmental Pollution</i> , 2020 , 264, 114773	9.3	50
209	A phytoextraction trial strengthened by <i>Streptomyces pactum</i> and plant nutrients: In view of plant bioindicators and phytoextraction indices. <i>Environmental Pollution</i> , 2020 , 265, 114867	9.3	5
208	An assessment of the functional enzymes and corresponding genes in chicken manure and wheat straw composted with addition of clay via meta-genomic analysis. <i>Industrial Crops and Products</i> , 2020 , 153, 112573	5.9	7

207	Manure pretreatments with black soldier fly <i>Hermetia illucens</i> L. (Diptera: Stratiomyidae): A study to reduce pathogen content. <i>Science of the Total Environment</i> , 2020 , 737, 139842	10.2	26
206	Impact of the addition of black soldier fly larvae on humification and speciation of trace elements during manure composting. <i>Industrial Crops and Products</i> , 2020 , 154, 112657	5.9	12
205	Metagenomics for taxonomy profiling: tools and approaches. <i>Bioengineered</i> , 2020 , 11, 356-374	5.7	62
204	Evaluation of biochar amendment on heavy metal resistant bacteria abundance in biosolids compost. <i>Bioresource Technology</i> , 2020 , 306, 123114	11	8
203	The influences of fly ash on stabilization for Cd in contaminated soils. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43505-43513	5.1	2
202	Sulfur-aided composting facilitates ammonia release mitigation, endocrine disrupting chemicals degradation and biosolids stabilization. <i>Bioresource Technology</i> , 2020 , 312, 123653	11	7
201	Bioremediation of Cd-contaminated soil by earthworms (<i>Eisenia fetida</i>): Enhancement with EDTA and bean dregs. <i>Environmental Pollution</i> , 2020 , 266, 115191	9.3	10
200	Effect of fine coal gasification slag on improvement of bacterial diversity community during the pig manure composting. <i>Bioresource Technology</i> , 2020 , 304, 123024	11	14
199	Screening of Chinese mustard (<i>Brassica juncea</i> L.) cultivars for the phytoremediation of Cd and Zn based on the plant physiological mechanisms. <i>Environmental Pollution</i> , 2020 , 261, 114213	9.3	19
198	Succession of keratin-degrading bacteria and associated health risks during pig manure composting. <i>Journal of Cleaner Production</i> , 2020 , 258, 120624	10.3	18
197	Direct and residual impacts of zeolite on the remediation of harmful elements in multiple contaminated soils using cabbage in rotation with corn. <i>Chemosphere</i> , 2020 , 250, 126317	8.4	15
196	Crop types have stronger effects on soil microbial communities and functionalities than biochar or fertilizer during two cycles of legume-cereal rotations of dry land. <i>Science of the Total Environment</i> , 2020 , 715, 136958	10.2	28
195	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122116	12.8	48
194	Effect of biochar on emission, maturity and bacterial dynamics during sheep manure composting. <i>Renewable Energy</i> , 2020 , 152, 421-429	8.1	18
193	Performance of the emerging biochar on the stabilization of potentially toxic metals in smelter- and mining-contaminated soils. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43428-43438	5.1	10
192	Influence of bamboo biochar on mitigating greenhouse gas emissions and nitrogen loss during poultry manure composting. <i>Bioresource Technology</i> , 2020 , 303, 122952	11	47
191	Relevance of biochar to influence the bacterial succession during pig manure composting. <i>Bioresource Technology</i> , 2020 , 304, 122962	11	49
190	Improvement of humification and mechanism of nitrogen transformation during pig manure composting with Black Tourmaline. <i>Bioresource Technology</i> , 2020 , 307, 123236	11	26

189	Optimal Configuration of Power Supply of Microgrid based on Bilevel Layer Programming with Renewable Energy Preferred. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 446, 042021 ^{0.3}	0
188	Bioremediation of Pesticides in Soil Through Composting: Potential and Challenges. <i>Soil Biology</i> , 2020 , 217-244	1
187	Phytoremediation of Heavy Metals-Polluted Soil 2020 , 213-229	
186	Aberrant Hippocampal Functional Connectivity Is Associated with Fornix White Matter Integrity in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 1153-1168 ^{4.3}	7
185	Promising Technologies for Cd-Contaminated Soils: Drawbacks and Possibilities 2020 , 63-91	3
184	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020 , 153, 112568	5.9 51
183	Influence of temperature and residence time on characteristics of biochars derived from agricultural residues: A comprehensive evaluation. <i>Chemical Engineering Research and Design</i> , 2020 , 139, 218-229	5.5 12
182	Stabilization of toxic metals in three contaminated soils by residual impact of lime integrated with biochar and clays. <i>Journal of Soils and Sediments</i> , 2020 , 20, 734-744	3.4 3
181	Measurement of cow manure compost toxicity and maturity based on weed seed germination. <i>Journal of Cleaner Production</i> , 2020 , 245, 118894	10.3 26
180	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. <i>Bioresource Technology</i> , 2020 , 301, 122778	11 152
179	Microbial approaches for remediation of pollutants: Innovations, future outlook, and challenges. <i>Energy and Environment</i> , 2020 , 0958305X1989678	2.4 16
178	Effects of microbial culture and chicken manure biochar on compost maturity and greenhouse gas emissions during chicken manure composting. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121908	12.8 76
177	Enhanced removal of phosphate and ammonium by MgO-biochar composites with NH ₄ HO hydrolysis pretreatment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7493-7503	5.1 14
176	Effect of biochar and bacterial inoculum additions on cow dung composting. <i>Bioresource Technology</i> , 2020 , 297, 122407	11 37
175	Release of toxic elements in fishpond sediments under dynamic redox conditions: Assessing the potential environmental risk for a safe management of fisheries systems and degraded waterlogged sediments. <i>Journal of Environmental Management</i> , 2020 , 255, 109778	7.9 13
174	Effects of black soldier fly larvae (Diptera: Stratiomyidae) on food waste and sewage sludge composting. <i>Journal of Environmental Management</i> , 2020 , 256, 109967	7.9 23
173	Changes in global trends in food waste composting: Research challenges and opportunities. <i>Bioresource Technology</i> , 2020 , 299, 122555	11 70
172	Abundance and characteristics of microplastic in sewage sludge: A case study of Yangling, Shaanxi province, China. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020 , 2, 100050	7.5 14

171	Clays, Limestone and Biochar Affect the Bioavailability and Geochemical Fractions of Cadmium and Zinc from Zn-Smelter Polluted Soils. <i>Sustainability</i> , 2020 , 12, 8606	3.6	2
170	Behaviors and related mechanisms of Zn resistance and antibiotic resistance genes during co-composting of erythromycin manufacturing wastes and pig manure. <i>Bioresource Technology</i> , 2020 , 318, 124048	11	7
169	Simultaneous removal of chromium(VI) and tetracycline hydrochloride from simulated wastewater by nanoscale zero-valent iron/copper-activated persulfate. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 40826-40836	5.1	8
168	Sustainability analysis of large-scale food waste composting 2020 , 301-322		2
167	Enhancing composition and heavy metals combined with humic substances by adding black tourmaline during composting. <i>Microchemical Journal</i> , 2020 , 159, 105356	4.8	8
166	Performance of <i>Streptomyces pactum</i> -assisted phytoextraction of Cd and Pb: in view of soil properties, element bioavailability, and phytoextraction indices. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43514-43525	5.1	2
165	Waste treatment approaches for environmental sustainability 2020 , 119-135		5
164	Enhanced aqueous Cr(VI) removal using chitosan-modified magnetic biochars derived from bamboo residues. <i>Chemosphere</i> , 2020 , 261, 127694	8.4	47
163	Influence of fine coal gasification slag on greenhouse gases emission and volatile fatty acids during pig manure composting. <i>Bioresource Technology</i> , 2020 , 316, 123915	11	20
162	Compost biochar application to contaminated soil reduces the (im)mobilization and phytoavailability of lead and copper. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 408-417	3.5	11
161	Recent Advances in Phytoremediation of Toxic Metals from Contaminated Sites: A Road Map to a Safer Environment 2020 , 77-112		1
160	Residual effects of tobacco biochar along with different fixing agents on stabilization of trace elements in multi-metal contaminated soils. <i>Journal of Environmental Sciences</i> , 2020 , 87, 299-309	6.4	14
159	Characterization of phosphorus engineered biochar and its impact on immobilization of Cd and Pb from smelting contaminated soils. <i>Journal of Soils and Sediments</i> , 2020 , 20, 3041-3052	3.4	27
158	Removing tetracycline and Hg(II) with ball-milled magnetic nanobiochar and its potential on polluted irrigation water reclamation. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121095	12.8	66
157	Current status of global warming potential reduction by cleaner composting. <i>Energy and Environment</i> , 2019 , 0958305X1988241	2.4	1
156	Biochar triggering multipath methanogenesis and subdued propionic acid accumulation during semi-continuous anaerobic digestion. <i>Bioresource Technology</i> , 2019 , 293, 122026	11	41
155	Effect of tertiary-amine bentonite on carbon transformation and global warming potential during chicken manure composting. <i>Journal of Cleaner Production</i> , 2019 , 237, 117818	10.3	12
154	Effect of potentially toxic metals (PTMs) on the thermal decomposition of phytoremediation plant wastes: Thermokinetic and gas evolution analysis by TG-DTG-MS. <i>Bioresource Technology</i> , 2019 , 293, 122027	11	1

153	Respond of clay amendment in chicken manure composts to understand the antibiotic resistant bacterial diversity and its correlation with physicochemical parameters. <i>Journal of Cleaner Production</i> , 2019 , 236, 117715	10.3	23
152	Performance of black soldier fly larvae (Diptera: Stratiomyidae) for manure composting and production of cleaner compost. <i>Journal of Environmental Management</i> , 2019 , 251, 109593	7.9	35
151	Conversion of Cu(II)-polluted biomass into an environmentally benign Cu nanoparticles-embedded biochar composite and its potential use on cyanobacteria inhibition. <i>Journal of Cleaner Production</i> , 2019 , 216, 25-32	10.3	24
150	Influence of palygorskite addition on biosolids composting process enhancement. <i>Journal of Cleaner Production</i> , 2019 , 217, 371-379	10.3	22
149	Global Status of Waste-to-Energy Technology 2019 , 31-52		6
148	Positive impact of biochar alone and combined with bacterial consortium amendment on improvement of bacterial community during cow manure composting. <i>Bioresource Technology</i> , 2019 , 280, 79-87	11	66
147	<i>Streptomyces pactum</i> combined with manure compost alters soil fertility and enzymatic activities, enhancing phytoextraction of potentially toxic metals (PTMs) in a smelter-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 312-320	7	17
146	Effects of crop straw and its derived biochar on the mobility and bioavailability in Cd and Zn in two smelter-contaminated alkaline soils. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 155-163	7	41
145	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 111, 115-131	16.2	105
144	Synergistic effects of biochar/microbial inoculation on the enhancement of pig manure composting. <i>Biochar</i> , 2019 , 1, 127-137	10	22
143	Comparison of the feasibility of different washing solutions for combined soil washing and phytoremediation for the detoxification of cadmium (Cd) and zinc (Zn) in contaminated soil. <i>Chemosphere</i> , 2019 , 230, 510-518	8.4	53
142	Mono-and co-applications of Ca-bentonite with zeolite, Ca-hydroxide, and tobacco biochar affect phytoavailability and uptake of copper and lead in a gold mine-polluted soil. <i>Journal of Hazardous Materials</i> , 2019 , 374, 401-411	12.8	17
141	Improvement of cleaner composting production by adding Diatomite: From the nitrogen conservation and greenhouse gas emission. <i>Bioresource Technology</i> , 2019 , 286, 121377	11	46
140	Polyamine-co-2, 6-diaminopyridine covalently bonded on chitosan for the adsorptive removal of Hg(II) ions from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 853-862	7.9	17
139	<i>Streptomyces pactum</i> and sulfur mediated the antioxidant enzymes in plant and phytoextraction of potentially toxic elements from a smelter-contaminated soils. <i>Environmental Pollution</i> , 2019 , 251, 37-44	9.3	15
138	Different memory patterns of digits: a functional MRI study. <i>Journal of Biomedical Science</i> , 2019 , 26, 22	13.3	4
137	Research on thermal disposal of phytoremediation plant waste: Stability of potentially toxic metals (PTMs) and oxidation resistance of biochars. <i>Chemical Engineering Research and Design</i> , 2019 , 125, 260-268	5.5	15
136	Accumulation, ecological-health risks assessment, and source apportionment of heavy metals in paddy soils: A case study in Hanzhong, Shaanxi, China. <i>Environmental Pollution</i> , 2019 , 248, 349-357	9.3	101

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134	The behavior of antibiotic resistance genes and their associations with bacterial community during poultry manure composting. <i>Bioresource Technology</i> , 2019 , 280, 70-78	11	48
133	Effects of clay on nitrogen cycle related functional genes abundance during chicken manure composting. <i>Bioresource Technology</i> , 2019 , 291, 121886	11	19
132	Sustainable Composting and Its Environmental Implications 2019 , 115-132		9
131	Evaluation of integrated biochar with bacterial consortium on gaseous emissions mitigation and nutrients sequestration during pig manure composting. <i>Bioresource Technology</i> , 2019 , 291, 121880	11	31
130	Response of bamboo biochar amendment on volatile fatty acids accumulation reduction and humification during chicken manure composting. <i>Bioresource Technology</i> , 2019 , 291, 121845	11	40
129	Application of wood biochar in polluted soils stabilized the toxic metals and enhanced wheat (<i>Triticum aestivum</i>) growth and soil enzymatic activity. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 184, 109635	7	34
128	Application of metagenomic analysis for detection of the reduction in the antibiotic resistance genes (ARGs) by the addition of clay during poultry manure composting. <i>Chemosphere</i> , 2019 , 220, 137-145	8.4	25
127	Greenhouse Gases Emission Mitigation and Utilization in Composting and Waste Management Industry: Potentials and Challenges. <i>Energy, Environment, and Sustainability</i> , 2019 , 19-37	0.8	2
126	Dynamics of fungal diversity and interactions with environmental elements in response to wheat straw biochar amended poultry manure composting. <i>Bioresource Technology</i> , 2019 , 274, 410-417	11	28
125	Thermal conversion of a promising phytoremediation plant (<i>Symphytum officinale</i> L.) into biochar: Dynamic of potentially toxic elements and environmental acceptability assessment of the biochar. <i>Bioresource Technology</i> , 2019 , 274, 73-82	11	32
124	Foliar litters: Sources of contaminants in phytoremediation sites by returning potentially toxic metals (PTMs) back to soils. <i>Chemosphere</i> , 2019 , 222, 9-14	8.4	8
123	Evaluating the impact of bamboo biochar on the fungal community succession during chicken manure composting. <i>Bioresource Technology</i> , 2019 , 272, 308-314	11	38
122	High-efficiency removal of Pb(II) and humate by a CeO-MoS hybrid magnetic biochar. <i>Bioresource Technology</i> , 2019 , 273, 335-340	11	115
121	EDTA and organic acids assisted phytoextraction of Cd and Zn from a smelter contaminated soil by potherb mustard (<i>Brassica juncea</i> , Coss) and evaluation of its bioindicators. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 167, 396-403	7	50
120	An assessment of the persistence of pathogenic bacteria removal in chicken manure compost employing clay as additive via meta-genomic analysis. <i>Journal of Hazardous Materials</i> , 2019 , 366, 184-191	12.8	37
119	Decontamination of Hg(II) from aqueous solution using polyamine-co-thiourea inarched chitosan gel derivatives. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 106-115	7.9	32
118	Converting spent battery anode waste into a porous biocomposite with high Pb(II) ion capture capacity from solution. <i>Journal of Cleaner Production</i> , 2018 , 184, 622-631	10.3	16

117	Role of Ca-bentonite to improve the humification, enzymatic activities, nutrient transformation and end product quality during sewage sludge composting. <i>Bioresource Technology</i> , 2018 , 262, 80-89	11	21
116	Feasibility of medical stone amendment for sewage sludge co-composting and production of nutrient-rich compost. <i>Journal of Environmental Management</i> , 2018 , 216, 49-61	7.9	21
115	Facilitative capture of As(V), Pb(II) and methylene blue from aqueous solutions with MgO hybrid sponge-like carbonaceous composite derived from sugarcane leafy trash. <i>Journal of Environmental Management</i> , 2018 , 212, 77-87	7.9	58
114	Combining biochar, zeolite and wood vinegar for composting of pig manure: The effect on greenhouse gas emission and nitrogen conservation. <i>Waste Management</i> , 2018 , 74, 221-230	8.6	113
113	Effect of composting on the thermal decomposition behavior and kinetic parameters of pig manure-derived solid waste. <i>Bioresource Technology</i> , 2018 , 252, 59-65	11	38
112	Improving methane yield and quality via co-digestion of cow dung mixed with food waste. <i>Bioresource Technology</i> , 2018 , 251, 259-263	11	29
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110	(Im)mobilization of soil heavy metals using CaO, FA, sulfur, and Na ₂ S: a 1-year incubation study. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 607-620	3.3	16
109	Physico-chemical forms of copper in water and sediments of Lake Pontchartrain basin, USA. <i>Chemosphere</i> , 2018 , 195, 448-454	8.4	10
108	Removal of cadmium(II) cations from an aqueous solution with aminothioureia chitosan strengthened magnetic biochar. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46239	2.9	29
107	In-vessel co-composting of biosolid: Focusing on mitigation of greenhouse gases emissions and nutrients conservation. <i>Renewable Energy</i> , 2018 , 129, 814-823	8.1	23
106	Biodegradation of food waste using microbial cultures producing thermostable α -amylase and cellulase under different pH and temperature. <i>Bioresource Technology</i> , 2018 , 248, 160-170	11	58
105	Influence of medical stone amendment on gaseous emissions, microbial biomass and abundance of ammonia oxidizing bacteria genes during biosolids composting. <i>Bioresource Technology</i> , 2018 , 247, 970-979	11	65
104	Effect of pyrolysis temperature on chemical form, behavior and environmental risk of Zn, Pb and Cd in biochar produced from phytoremediation residue. <i>Bioresource Technology</i> , 2018 , 249, 487-493	11	85
103	Beneficial effect of mixture of additives amendment on enzymatic activities, organic matter degradation and humification during biosolids co-composting. <i>Bioresource Technology</i> , 2018 , 247, 138-146	11	27
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100	New insight of tertiary-amine modified bentonite amendment on the nitrogen transformation and volatile fatty acids during the chicken manure composting. <i>Bioresource Technology</i> , 2018 , 266, 524-531	11	34

99	Performance evaluation of gaseous emissions and Zn speciation during Zn-rich antibiotic manufacturing wastes and pig manure composting. <i>Bioresource Technology</i> , 2018 , 267, 688-695	11	35
98	Enhanced sorption of hexavalent chromium [Cr(VI)] from aqueous solutions by diluted sulfuric acid-assisted MgO-coated biochar composite. <i>Chemosphere</i> , 2018 , 208, 408-416	8.4	62
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95	Influence of biochar on volatile fatty acids accumulation and microbial community succession during biosolids composting. <i>Bioresource Technology</i> , 2018 , 251, 158-164	11	48
94	Evaluation of microbial dynamics during post-consumption food waste composting. <i>Bioresource Technology</i> , 2018 , 251, 181-188	11	23
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92	Recent Advances in Composting of Organic and Hazardous Waste: A Road Map to Safer Environment. <i>Energy, Environment, and Sustainability</i> , 2018 , 307-329	0.8	2
91	Cognition-related white matter integrity dysfunction in Alzheimer's disease with diffusion tensor image. <i>Brain Research Bulletin</i> , 2018 , 143, 207-216	3.9	7
90	Radiomic Features of Hippocampal Subregions in Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 290	5.3	46
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87	Influence of clay as additive on greenhouse gases emission and maturity evaluation during chicken manure composting. <i>Bioresource Technology</i> , 2018 , 266, 82-88	11	77
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