

Zenqqiang Zhang

List of Publications by Citations

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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	Challenges and opportunities in the phytoremediation of heavy metals contaminated soils: A review. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 126, 111-121	7	623
295	Enhancing phosphate adsorption by Mg/Al layered double hydroxide functionalized biochar with different Mg/Al ratios. <i>Science of the Total Environment</i> , 2016 , 559, 121-129	10.2	308
294	Nutrient transformations during composting of pig manure with bentonite. <i>Bioresource Technology</i> , 2012 , 121, 362-8	11	232
293	Simultaneous capture removal of phosphate, ammonium and organic substances by MgO impregnated biochar and its potential use in swine wastewater treatment. <i>Journal of Cleaner Production</i> , 2017 , 147, 96-107	10.3	227
292	Soil heavy metal contamination and health risks associated with artisanal gold mining in Tongguan, Shaanxi, China. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 141, 17-24	7	212
291	Evaluation of medical stone amendment for the reduction of nitrogen loss and bioavailability of heavy metals during pig manure composting. <i>Bioresource Technology</i> , 2016 , 220, 297-304	11	212
290	Recovery of phosphate from aqueous solution by magnesium oxide decorated magnetic biochar and its potential as phosphate-based fertilizer substitute. <i>Bioresource Technology</i> , 2016 , 215, 209-214	11	198
289	Preparation of a carbon-based solid acid catalyst by sulfonating activated carbon in a chemical reduction process. <i>Molecules</i> , 2010 , 15, 7188-96	4.8	197
288	An overview of carbothermal synthesis of metal/biochar composites for the removal of oxyanion contaminants from aqueous solution. <i>Carbon</i> , 2018 , 129, 674-687	10.4	194
287	Altered spontaneous activity in Alzheimer's disease and mild cognitive impairment revealed by Regional Homogeneity. <i>NeuroImage</i> , 2012 , 59, 1429-40	7.9	190
286	Heterogeneity of biochar amendment to improve the carbon and nitrogen sequestration through reduce the greenhouse gases emissions during sewage sludge composting. <i>Bioresource Technology</i> , 2017 , 224, 428-438	11	167
285	Immobilization of Lead and Cadmium in Contaminated Soil Using Amendments: A Review. <i>Pedosphere</i> , 2015 , 25, 555-568	5	160
284	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. <i>Bioresource Technology</i> , 2020 , 301, 122778	11	152
283	Spatial distribution and risk assessment of heavy metals in soil near a Pb/Zn smelter in Feng County, China. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 254-262	7	150
282	Recent developments in biochar utilization as an additive in organic solid waste composting: A review. <i>Bioresource Technology</i> , 2017 , 246, 203-213	11	149
281	Co-composting of gelatin industry sludge combined with organic fraction of municipal solid waste and poultry waste employing zeolite mixed with enriched nitrifying bacterial consortium. <i>Bioresource Technology</i> , 2016 , 213, 181-189	11	126
280	Effect of biochar amendment on greenhouse gas emission and bio-availability of heavy metals during sewage sludge co-composting. <i>Journal of Cleaner Production</i> , 2016 , 135, 829-835	10.3	123

279	Role of biochar amendment in mitigation of nitrogen loss and greenhouse gas emission during sewage sludge composting. <i>Bioresource Technology</i> , 2016 , 219, 270-280	11	123
278	Influence of zeolite and lime as additives on greenhouse gas emissions and maturity evolution during sewage sludge composting. <i>Bioresource Technology</i> , 2016 , 216, 172-81	11	122
277	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
276	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
275	Recovery of phosphate and dissolved organic matter from aqueous solution using a novel CaO-MgO hybrid carbon composite and its feasibility in phosphorus recycling. <i>Science of the Total Environment</i> , 2018 , 642, 526-536	10.2	106
274	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
273	Use of Biochar as an Amendment for Remediation of Heavy Metal-Contaminated Soils: Prospects and Challenges. <i>Pedosphere</i> , 2017 , 27, 991-1014	5	103
272	New insight with the effects of biochar amendment on bacterial diversity as indicators of biomarkers support the thermophilic phase during sewage sludge composting. <i>Bioresource Technology</i> , 2017 , 238, 589-601	11	101
271	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
270	Reductive removal of selenate by zero-valent iron: The roles of aqueous Fe(2+) and corrosion products, and selenate removal mechanisms. <i>Water Research</i> , 2014 , 67, 166-74	12.5	100
269	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
268	Nutrient transformation during aerobic composting of pig manure with biochar prepared at different temperatures. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 815-26	2.6	96
267	Evaluation of biochar amended biosolids co-composting to improve the nutrient transformation and its correlation as a function for the production of nutrient-rich compost. <i>Bioresource Technology</i> , 2017 , 237, 156-166	11	95
266	Improving pig manure composting efficiency employing Ca-bentonite. <i>Ecological Engineering</i> , 2016 , 87, 157-161	3.9	89
265	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
264	Removal of Pb(II) and Cd(II) ions from aqueous solution by thiosemicarbazide modified chitosan. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 876-84	7.9	81
263	Improvement of pig manure compost lignocellulose degradation, organic matter humification and compost quality with medical stone. <i>Bioresource Technology</i> , 2017 , 243, 771-777	11	77
262	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

261	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
260	Impaired functional connectivity of the thalamus in Alzheimer's disease and mild cognitive impairment: a resting-state fMRI study. <i>Current Alzheimer Research</i> , 2013 , 10, 754-66	3	71
259	Changes in global trends in food waste composting: Research challenges and opportunities. <i>Bioresource Technology</i> , 2020 , 299, 122555	11	70
258	Using bamboo biochar with compost for the stabilization and phytotoxicity reduction of heavy metals in mine-contaminated soils of China. <i>Scientific Reports</i> , 2017 , 7, 2690	4.9	69
257	Application effects of coated urea and urease and nitrification inhibitors on ammonia and greenhouse gas emissions from a subtropical cotton field of the Mississippi delta region. <i>Science of the Total Environment</i> , 2015 , 533, 329-38	10.2	68
256	Comparison of biochar, zeolite and their mixture amendment for aiding organic matter transformation and nitrogen conservation during pig manure composting. <i>Bioresource Technology</i> , 2017 , 245, 300-308	11	68
255	Aberrant intra- and inter-network connectivity architectures in Alzheimer's disease and mild cognitive impairment. <i>Scientific Reports</i> , 2015 , 5, 14824	4.9	68
254	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
253	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
252	Potential use of lime combined with additives on (im)mobilization and phytoavailability of heavy metals from Pb/Zn smelter contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 313-323	7.7	66
251	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
250	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
249	Metagenomics for taxonomy profiling: tools and approaches. <i>Bioengineered</i> , 2020 , 11, 356-374	5.7	62
248	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
247	Cognitive stimulation therapy in the treatment of neuropsychiatric symptoms in Alzheimer's disease: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2010 , 24, 1102-11	3.3	62
246	Influence of humic substances on bioavailability of Cu and Zn during sewage sludge composting. <i>Bioresource Technology</i> , 2011 , 102, 8022-6	11	61
245	Heterogeneity of zeolite combined with biochar properties as a function of sewage sludge composting and production of nutrient-rich compost. <i>Waste Management</i> , 2017 , 68, 760-773	8.6	60
244	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

243	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
242	Decreased functional connectivity of the amygdala in Alzheimer's disease revealed by resting-state fMRI. <i>European Journal of Radiology</i> , 2013 , 82, 1531-8	4.7	58
241	Comparative evaluation of the use of acidic additives on sewage sludge composting quality improvement, nitrogen conservation, and greenhouse gas reduction. <i>Bioresource Technology</i> , 2018 , 270, 467-475	11	57
240	Rapid removal of selenate in a zero-valent iron/Fe ₃ O ₄ /Fe ²⁺ synergetic system. <i>Applied Catalysis B: Environmental</i> , 2016 , 184, 320-327	21.8	56
239	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
238	Succession of bacteria diversity in the poultry manure composted mixed with clay: Studies upon its dynamics and associations with physicochemical and gaseous parameters. <i>Bioresource Technology</i> , 2018 , 267, 618-625	11	55
237	Impact of CaO, fly ash, sulfur and NaS on the (im)mobilization and phytoavailability of Cd, Cu and Pb in contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 134P1, 116-123	7	54
236	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
235	Effects of biochar amendment on bacterial and fungal diversity for co-composting of gelatin industry sludge mixed with organic fraction of municipal solid waste. <i>Bioresource Technology</i> , 2017 , 246, 214-223	11	53
234	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
233	Production and beneficial impact of biochar for environmental application: A comprehensive review. <i>Bioresource Technology</i> , 2021 , 337, 125451	11	52
232	Comparison of additives amendment for mitigation of greenhouse gases and ammonia emission during sewage sludge co-composting based on correlation analysis. <i>Bioresource Technology</i> , 2017 , 243, 520-527	11	51
231	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020 , 153, 112568	5.9	51
230	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
229	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
228	Relevance of biochar to influence the bacterial succession during pig manure composting. <i>Bioresource Technology</i> , 2020 , 304, 122962	11	49
227	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
226	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

225	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
224	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
223	Enhanced aqueous Cr(VI) removal using chitosan-modified magnetic biochars derived from bamboo residues. <i>Chemosphere</i> , 2020 , 261, 127694	8.4	47
222	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
221	Equilibrium, kinetic and thermodynamic studies of adsorption of Cd(II) from aqueous solution onto HACC Bentonite. <i>Desalination</i> , 2011 , 280, 297-304	10.3	46
220	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
219	Biochar triggering multipath methanogenesis and subdued propionic acid accumulation during semi-continuous anaerobic digestion. <i>Bioresource Technology</i> , 2019 , 293, 122026	11	41
218	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
217	Beneficial effects of tobacco biochar combined with mineral additives on (im)mobilization and (bio)availability of Pb, Cd, Cu and Zn from Pb/Zn smelter contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 528-538	7	41
216	Removal of Cd(II) and Cr(VI) ions by highly cross-linked Thiocarbonylhydrazide-chitosan gel. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1072-1081	7.9	41
215	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
214	Mycoremediation of Potentially Toxic Trace Elements: Biological Tool for Soil Cleanup: A Review. <i>Pedosphere</i> , 2017 , 27, 205-222	5	39
213	Effect of common ions on nitrate removal by zero-valent iron from alkaline soil. <i>Journal of Hazardous Materials</i> , 2012 , 231-232, 114-9	12.8	39
212	Resource recovery and biorefinery potential of apple orchard waste in the circular bioeconomy. <i>Bioresource Technology</i> , 2021 , 321, 124496	11	39
211	Nitrate removal by combined heterotrophic and autotrophic denitrification processes: Impact of coexistent ions. <i>Bioresource Technology</i> , 2018 , 250, 838-845	11	39
210	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
209	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
208	Biochar produced from mineral salt-impregnated chicken manure: Fertility properties and potential for carbon sequestration. <i>Waste Management</i> , 2018 , 78, 802-810	8.6	38

207	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
206	Effect of biochar and bacterial inoculum additions on cow dung composting. <i>Bioresource Technology</i> , 2020 , 297, 122407	11	37
205	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
204	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
203	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
202	Perceptual and response interference in Alzheimer's disease and mild cognitive impairment. <i>Clinical Neurophysiology</i> , 2013 , 124, 2389-96	4.3	35
201	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
200	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
199	Cleaner production of agriculturally valuable benignant materials from industry generated bio-wastes: A review. <i>Bioresource Technology</i> , 2021 , 320, 124281	11	34
198	Screening of native plants from wasteland surrounding a Zn smelter in Feng County China, for phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 162, 178-183	7	34
197	Utilization of medical stone to improve the composition and quality of dissolved organic matter in composted pig manure. <i>Journal of Cleaner Production</i> , 2018 , 197, 472-478	10.3	33
196	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
195	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
194	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
193	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
192	Promotion effect of Mn ²⁺ and Co ²⁺ on selenate reduction by zero-valent iron. <i>Chemical Engineering Journal</i> , 2014 , 244, 97-104	14.7	30
191	Characteristics and phytotoxicity assay of biochars derived from a Zn-rich antibiotic residue. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 113, 575-583	6	29
190	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

189	Removal of cadmium(II) cations from an aqueous solution with aminothiurea chitosan strengthened magnetic biochar. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46239	2.9	29
188	Role of <i>Streptomyces pactum</i> in phytoremediation of trace elements by <i>Brassica juncea</i> in mine polluted soils. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 387-395	7	28
187	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
186	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
185	The degradation performance of different microplastics and their effect on microbial community during composting process. <i>Bioresource Technology</i> , 2021 , 332, 125133	11	28
184	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
183	Grey-matter volume as a potential feature for the classification of Alzheimer's disease and mild cognitive impairment: an exploratory study. <i>Neuroscience Bulletin</i> , 2014 , 30, 477-89	4.3	27
182	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
181	Biopolymer poly-hydroxyalkanoates (PHA) production from apple industrial waste residues: A review. <i>Chemosphere</i> , 2021 , 284, 131427	8.4	27
180	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
179	Improvement of humification and mechanism of nitrogen transformation during pig manure composting with Black Tourmaline. <i>Bioresource Technology</i> , 2020 , 307, 123236	11	26
178	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
177	Heavy metals and metalloid contamination in Louisiana Lake Pontchartrain Estuary along I-10 Bridge. <i>Transportation Research, Part D: Transport and Environment</i> , 2016 , 44, 66-77	6.4	26
176	Phytoextraction of toxic trace elements by <i>Sorghum bicolor</i> inoculated with <i>Streptomyces pactum</i> (Act12) in contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 202-209	7	25
175	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
174	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
173	<i>Streptomyces pactum</i> assisted phytoremediation in Zn/Pb smelter contaminated soil of Feng County and its impact on enzymatic activities. <i>Scientific Reports</i> , 2017 , 7, 46087	4.9	24
172	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

171	Simultaneous adsorption of phenol and cadmium on amphoteric modified soil. <i>Journal of Hazardous Materials</i> , 2008 , 159, 492-8	12.8	24
170	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
169	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
168	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
167	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
166	Apple pomace improves the quality of pig manure aerobic compost by reducing emissions of NH and NO. <i>Scientific Reports</i> , 2017 , 7, 870	4.9	23
165	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
164	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
163	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
162	Evaluation of microbial dynamics during post-consumption food waste composting. <i>Bioresource Technology</i> , 2018 , 251, 181-188	11	23
161	Influence of palygorskite addition on biosolids composting process enhancement. <i>Journal of Cleaner Production</i> , 2019 , 217, 371-379	10.3	22
160	Synergistic effects of biochar/microbial inoculation on the enhancement of pig manure composting. <i>Biochar</i> , 2019 , 1, 127-137	10	22
159	Aberrant Functional Connectivity Architecture in Alzheimer's Disease and Mild Cognitive Impairment: A Whole-Brain, Data-Driven Analysis. <i>BioMed Research International</i> , 2015 , 2015, 495375	3	22
158	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
157	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
156	Heavy metal distribution and water quality characterization of water bodies in Louisiana's Lake Pontchartrain Basin, USA. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 628	3.1	21
155	Longitudinal alteration of amygdalar functional connectivity in mild cognitive impairment subjects revealed by resting-state fMRI. <i>Brain Connectivity</i> , 2014 , 4, 361-70	2.7	21
154	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

153	Sustainable blueberry waste recycling towards biorefinery strategy and circular bioeconomy: A review. <i>Bioresource Technology</i> , 2021 , 332, 125181	11	21
152	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
151	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022 , 802, 149823	10.2	21
150	Rapid eye movement sleep behavior disorder in patients with probable Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2016 , 28, 951-7	4.8	20
149	Altered functional connectivity of the marginal division in Alzheimer's disease. <i>Current Alzheimer Research</i> , 2014 , 11, 145-55	3	20
148	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
147	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
146	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
145	Effects of clay on nitrogen cycle related functional genes abundance during chicken manure composting. <i>Bioresource Technology</i> , 2019 , 291, 121886	11	19
144	Frequency-Dependent Altered Functional Connections of Default Mode Network in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 259	5.3	19
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