

Daniel Cw Tsang

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.

295
papers

18,107
citations

79
h-index

118
g-index

296
ext. papers

24,482
ext. citations

10.3
avg, IF

7.74
L-index

#	Paper	IF	Citations
295	Overview of hazardous waste treatment and stabilization/solidification technology 2022 , 1-14		0
294	Biochar for green and sustainable stabilization/solidification 2022 , 65-73		0
293	Future research directions for sustainable remediation 2022 , 555-564		
292	Evaluating comprehensive carbon emissions of solidification/stabilization technologies: a case study 2022 , 517-530		
291	Impact of catalytic hydrothermal treatment and Ca/Al-modified hydrochar on lability, sorption, and speciation of phosphorus in swine manure: Microscopic and spectroscopic investigations.. <i>Environmental Pollution</i> , 2022 , 299, 118877	9.3	2
290	Stoichiometric carbocatalysis via epoxide-like C-S-O configuration on sulfur-doped biochar for environmental remediation.. <i>Journal of Hazardous Materials</i> , 2022 , 428, 128223	12.8	2
289	Electroactive Fe-biochar for redox-related remediation of arsenic and chromium: Distinct redox nature with varying iron/carbon speciation. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128479	12.8	3
288	Roles of biochar in cement-based stabilization/solidification of municipal solid waste incineration fly ash. <i>Chemical Engineering Journal</i> , 2022 , 430, 132972	14.7	13
287	Cytotoxicity of stabilized/solidified municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127369	12.8	5
286	Insights into the adsorption of pharmaceuticals and personal care products (PPCPs) on biochar and activated carbon with the aid of machine learning. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127060	12.8	13
285	Pig carcass-derived biochar caused contradictory effects on arsenic mobilization in a contaminated paddy soil under fluctuating controlled redox conditions. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126647	12.8	9
284	Designing novel magnesium oxysulfate cement for stabilization/solidification of municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127025	12.8	16
283	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. <i>Chemical Engineering Journal</i> , 2022 , 429, 132292	14.7	6
282	Machine learning exploration of the direct and indirect roles of Fe impregnation on Cr(VI) removal by engineered biochar. <i>Chemical Engineering Journal</i> , 2022 , 428, 131967	14.7	8
281	Soil platisphere: Exploration methods, influencing factors, and ecological insights. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128503	12.8	0
280	Biochar and sustainable development goals 2022 , 15-22		0
279	Customizing high-performance molten salt biochar from wood waste for CO ₂ /N ₂ separation. <i>Fuel Processing Technology</i> , 2022 , 234, 107319	7.2	0

278	Sustainable management of plastic wastes in COVID-19 pandemic: The biochar solution. <i>Environmental Research</i> , 2022 , 113495	7.9	2
277	Improving the humification and phosphorus flow during swine manure composting: A trial for enhancing the beneficial applications of hazardous biowastes. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127906	12.8	17
276	Biochar-augmented carbon-negative concrete. <i>Chemical Engineering Journal</i> , 2021 , 431, 133946	14.7	8
275	Effects of modified biochar on As-contaminated water and soil: A recent update. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2021 , 7, 107-136	1.5	0
274	Interactions between biochar and clay minerals in changing biochar carbon stability. <i>Science of the Total Environment</i> , 2021 , 809, 151124	10.2	2
273	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <i>Environmental Research</i> , 2021 , 207, 112179	7.9	12
272	Technologies and perspectives for achieving carbon neutrality. <i>Innovation(China)</i> , 2021 , 2, 100180	17.8	37
271	Critical Impact of Nitrogen Vacancies in Nonradical Carbocatalysis on Nitrogen-Doped Graphitic Biochar. <i>Environmental Science & Technology</i> , 2021 , 55, 7004-7014	10.3	34
270	Weathering of microplastics and interaction with other coexisting constituents in terrestrial and aquatic environments. <i>Water Research</i> , 2021 , 196, 117011	12.5	51
269	Sustainable stabilization/solidification of arsenic-containing soil by blast slag and cement blends. <i>Chemosphere</i> , 2021 , 271, 129868	8.4	15
268	Treatment of municipal solid waste incineration fly ash: State-of-the-art technologies and future perspectives. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125132	12.8	42
267	Stabilization of dissolvable biochar by soil minerals: Release reduction and organo-mineral complexes formation. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125213	12.8	14
266	<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
265	On the use of limestone calcined clay cement (LC3) in high-strength strain-hardening cement-based composites (HS-SHCC). <i>Cement and Concrete Research</i> , 2021 , 144, 106421	10.3	21
264	A critical review on performance indicators for evaluating soil biota and soil health of biochar-amended soils. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125378	12.8	55
263	A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge. <i>Journal of Cleaner Production</i> , 2021 , 305, 127143	10.3	97
262	Evolution of redox activity of biochar during interaction with soil minerals: Effect on the electron donating and mediating capacities for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125483	12.8	27
261	Selective degradation and oxidation of hemicellulose in corncob to oligosaccharides: From biomass into masking agent for sustainable leather tanning. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125425	12.8	12

260	Chemicals from lignocellulosic biomass: A critical comparison between biochemical, microwave and thermochemical conversion methods. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1479-1532	11.1	22
259	Highly efficient removal of thallium in wastewater by MnFeO-biochar composite. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123311	12.8	80
258	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123415	12.8	129
257	A review on the valorisation of food waste as a nutrient source and soil amendment. <i>Environmental Pollution</i> , 2021 , 272, 115985	9.3	25
256	High-efficiency and low-carbon remediation of zinc contaminated sludge by magnesium oxysulfate cement. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124486	12.8	24
255	Performance indicators for a holistic evaluation of catalyst-based degradation-A case study of selected pharmaceuticals and personal care products (PPCPs). <i>Journal of Hazardous Materials</i> , 2021 , 402, 123460	12.8	17
254	Fe/Al (hydr)oxides engineered biochar for reducing phosphorus leaching from a fertile calcareous soil. <i>Journal of Cleaner Production</i> , 2021 , 279, 123877	10.3	36
253	Microscopic mechanism about the selective adsorption of Cr(VI) from salt solution on O-rich and N-rich biochars. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124162	12.8	26
252	Designing sustainable drainage systems in subtropical cities: Challenges and opportunities. <i>Journal of Cleaner Production</i> , 2021 , 280, 124418	10.3	11
251	Iron-crosslinked alginate derived Fe/C composites for atrazine removal from water. <i>Science of the Total Environment</i> , 2021 , 756, 143866	10.2	8
250	Emerging risks of toxic metal(loid)s in soil-vegetables influenced by steel-making activities and isotopic source apportionment. <i>Environment International</i> , 2021 , 146, 106207	12.9	48
249	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. <i>Journal of Cleaner Production</i> , 2021 , 289, 125142	10.3	25
248	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021 , 320, 124412	11	29
247	High cadmium pollution from sediments in a eutrophic lake caused by dissolved organic matter complexation and reduction of manganese oxide. <i>Water Research</i> , 2021 , 190, 116711	12.5	22
246	Emergent thallium exposure from uranium mill tailings. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124402	12.8	22
245	Stabilisation/solidification of municipal solid waste incineration fly ash by phosphate-enhanced calcium aluminate cement. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124404	12.8	31
244	Sustainable improvement of soil health utilizing biochar and arbuscular mycorrhizal fungi: A review. <i>Environmental Pollution</i> , 2021 , 268, 115549	9.3	25
243	Nitrate removal uncertainty in stormwater control measures: Is the design or climate a culprit?. <i>Water Research</i> , 2021 , 190, 116781	12.5	8

242	A holistic understanding of cobalt cycling and limiting roles in the eutrophic Lake Taihu. <i>Chemosphere</i> , 2021 , 277, 130234	8.4	2
241	Tailored design of food waste hydrochar for efficient adsorption and catalytic degradation of refractory organic contaminant. <i>Journal of Cleaner Production</i> , 2021 , 310, 127482	10.3	16
240	Effects of microorganism-mediated inoculants on humification processes and phosphorus dynamics during the aerobic composting of swine manure. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125738	12.8	20
239	Thallium geochemical fractionation and migration in Tl-As rich soils: The key controls. <i>Science of the Total Environment</i> , 2021 , 784, 146995	10.2	6
238	Impacts of different activation processes on the carbon stability of biochar for oxidation resistance. <i>Bioresource Technology</i> , 2021 , 338, 125555	11	20
237	Fast hydrolysis of biomass Conversion: A comparative review. <i>Bioresource Technology</i> , 2021 , 342, 126067	11	6
236	Roles of biochar-derived dissolved organic matter in soil amendment and environmental remediation: A critical review. <i>Chemical Engineering Journal</i> , 2021 , 424, 130387	14.7	65
235	Critical impacts of pyrolysis conditions and activation methods on application-oriented production of wood waste-derived biochar. <i>Bioresource Technology</i> , 2021 , 341, 125811	11	29
234	Unraveling iron speciation on Fe-biochar with distinct arsenic removal mechanisms and depth distributions of As and Fe. <i>Chemical Engineering Journal</i> , 2021 , 425, 131489	14.7	14
233	Experimental and DFT investigation on N-functionalized biochars for enhanced removal of Cr(VI). <i>Environmental Pollution</i> , 2021 , 291, 118244	9.3	3
232	Hydrothermal Liquefaction of Lignin to Aromatic Chemicals: Impact of Lignin Structure. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16957-16969	3.9	32
231	Green remediation by using low-carbon cement-based stabilization/solidification approaches 2020 , 93-118		6
230	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. <i>Bioresource Technology</i> , 2020 , 312, 123613	11	124
229	Simultaneous degradation of p-arsanilic acid and inorganic arsenic removal using M-rGO/PS Fenton-like system under neutral conditions. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123032	12.8	30
228	Sustainable impact of tartaric acid as electron shuttle on hierarchical iron-incorporated biochar. <i>Chemical Engineering Journal</i> , 2020 , 395, 125138	14.7	30
227	Tailored design of graphitic biochar for high-efficiency and chemical-free microwave-assisted removal of refractory organic contaminants. <i>Chemical Engineering Journal</i> , 2020 , 398, 125505	14.7	61
226	Sustainable soil use and management: An interdisciplinary and systematic approach. <i>Science of the Total Environment</i> , 2020 , 729, 138961	10.2	64
225	Study of glucose isomerisation to fructose over three heterogeneous carbon-based aluminium-impregnated catalysts. <i>Journal of Cleaner Production</i> , 2020 , 268, 122378	10.3	5

224	Recent advances in mechanochemical production of chemicals and carbon materials from sustainable biomass resources. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 130, 109944	16.2	59
223	Microbial insights into the biogeochemical features of thallium occurrence: A case study from polluted river sediments. <i>Science of the Total Environment</i> , 2020 , 739, 139957	10.2	32
222	Carbon dioxide capture in biochar produced from pine sawdust and paper mill sludge: Effect of porous structure and surface chemistry. <i>Science of the Total Environment</i> , 2020 , 739, 139845	10.2	34
221	Microplastics as pollutants in agricultural soils. <i>Environmental Pollution</i> , 2020 , 265, 114980	9.3	137
220	Immobilization of hazardous municipal solid waste incineration fly ash by novel alternative binders derived from cementitious waste. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122386	12.8	34
219	Biochar technology in wastewater treatment: A critical review. <i>Chemosphere</i> , 2020 , 252, 126539	8.4	209
218	Valorization of biomass from plant microbial fuel cells into levulinic acid by using liquid/solid acids and green solvents. <i>Journal of Cleaner Production</i> , 2020 , 260, 121097	10.3	13
217	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6990-7001	8.3	31
216	Facile synthesis of CuBTC and its graphene oxide composites as efficient adsorbents for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2020 , 393, 124666	14.7	35
215	Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca-rich groundwater under anoxic conditions. <i>Water Research</i> , 2020 , 183, 116106	12.5	17
214	Red mud-enhanced magnesium phosphate cement for remediation of Pb and As contaminated soil. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123317	12.8	55
213	Customised fabrication of nitrogen-doped biochar for environmental and energy applications. <i>Chemical Engineering Journal</i> , 2020 , 401, 126136	14.7	78
212	Efficacy of green alternatives and carbon dioxide curing in reactive magnesia cement-bonded particleboards. <i>Journal of Cleaner Production</i> , 2020 , 258, 120997	10.3	18
211	Scavenger-free and self-powered photocathodic sensing system for aqueous hydrogen peroxide monitoring by CuO/ZnO nanostructure. <i>Chemical Engineering Science</i> , 2020 , 226, 115886	4.4	6
210	Critical insight and indication on particle size effects towards uranium release from uranium mill tailings: Geochemical and mineralogical aspects. <i>Chemosphere</i> , 2020 , 250, 126315	8.4	26
209	Effects and mechanisms of mineral amendment on thallium mobility in highly contaminated soils. <i>Journal of Environmental Management</i> , 2020 , 262, 110251	7.9	16
208	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2020 , 258, 120678	10.3	93
207	Quantitative source tracking of heavy metals contained in urban road deposited sediments. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122362	12.8	35

206	Fabrication of L-cysteine stabilized FeOOH nanocomposite on porous hydrophilic biochar as an effective adsorbent for Pb removal. <i>Science of the Total Environment</i> , 2020 , 720, 137415	10.2	32
205	Sustainable gasification biochar as a high efficiency adsorbent for CO ₂ capture: A facile method to designer biochar fabrication. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 124, 109785	16.2	51
204	Green immobilization of toxic metals using alkaline enhanced rice husk biochar: Effects of pyrolysis temperature and KOH concentration. <i>Science of the Total Environment</i> , 2020 , 720, 137584	10.2	54
203	Evaluation of the BCR sequential extraction scheme for trace metal fractionation of alkaline municipal solid waste incineration fly ash. <i>Chemosphere</i> , 2020 , 249, 126115	8.4	25
202	Comparing biochar- and bentonite-supported Fe-based catalysts for selective degradation of antibiotics: Mechanisms and pathway. <i>Environmental Research</i> , 2020 , 183, 109156	7.9	38
201	Effects of Zn in sludge-derived biochar on Cd immobilization and biological uptake by lettuce. <i>Science of the Total Environment</i> , 2020 , 714, 136721	10.2	15
200	Mechanisms of Pb and/or Zn adsorption by different biochars: Biochar characteristics, stability, and binding energies. <i>Science of the Total Environment</i> , 2020 , 717, 136894	10.2	52
199	Effects of excessive impregnation, magnesium content, and pyrolysis temperature on MgO-coated watermelon rind biochar and its lead removal capacity. <i>Environmental Research</i> , 2020 , 183, 109152	7.9	31
198	The roles of suspended solids in persulfate/Fe ²⁺ treatment of hydraulic fracturing wastewater: Synergistic interplay of inherent wastewater components. <i>Chemical Engineering Journal</i> , 2020 , 388, 124243	14.7	16
197	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020 , 716, 137116	10.2	168
196	Sulfur-modified biochar as a soil amendment to stabilize mercury pollution: An accelerated simulation of long-term aging effects. <i>Environmental Pollution</i> , 2020 , 264, 114687	9.3	41
195	Sustainable carbohydrate-derived building materials 2020 , 285-304		
194	A new DGT technique comprised in a hybrid sensor for the simultaneous measurement of ammonium, nitrate, phosphorus and dissolved oxygen. <i>Science of the Total Environment</i> , 2020 , 725, 138447	10.2	8
193	Swine manure valorization for phosphorus and nitrogen recovery by catalytic-thermal hydrolysis and struvite crystallization. <i>Science of the Total Environment</i> , 2020 , 729, 138999	10.2	35
192	Evaluating the environmental impacts of stabilization and solidification technologies for managing hazardous wastes through life cycle assessment: A case study of Hong Kong. <i>Environment International</i> , 2020 , 145, 106139	12.9	15
191	Ball-milled, solvent-free Sn-functionalisation of wood waste biochar for sugar conversion in food waste valorisation. <i>Journal of Cleaner Production</i> , 2020 , 268, 122300	10.3	11
190	Cadmium isotopes as tracers in environmental studies: A review. <i>Science of the Total Environment</i> , 2020 , 736, 139585	10.2	37
189	Temporal sedimentary record of thallium pollution in an urban lake: An emerging thallium pollution source from copper metallurgy. <i>Chemosphere</i> , 2020 , 242, 125172	8.4	46

188	Participation of soil active components in the reduction of Cr(VI) by biochar: Differing effects of iron mineral alone and its combination with organic acid. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121455	12.8	25
187	(Im)mobilization and speciation of lead under dynamic redox conditions in a contaminated soil amended with pine sawdust biochar. <i>Environment International</i> , 2020 , 135, 105376	12.9	33
186	Stabilization treatment of arsenic-alkali residue (AAR): Effect of the coexisting soluble carbonate on arsenic stabilization. <i>Environment International</i> , 2020 , 135, 105406	12.9	13
185	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121649	12.8	63
184	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. <i>Environment International</i> , 2020 , 134, 105046	12.9	352
183	Synergistic utilization of inherent halides and alcohols in hydraulic fracturing wastewater for radical-based treatment: A case study of di-(2-ethylhexyl) phthalate removal. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121321	12.8	14
182	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <i>Journal of Hazardous Materials</i> , 2020 , 387, 122005	12.8	49
181	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020 , 707, 136080	10.2	112
180	Fabrication of sustainable manganese ferrite modified biochar from vinasse for enhanced adsorption of fluoroquinolone antibiotics: Effects and mechanisms. <i>Science of the Total Environment</i> , 2020 , 709, 136079	10.2	98
179	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO ₂ gas. <i>Cement and Concrete Composites</i> , 2020 , 106, 103489	8.6	65
178	Enhanced adsorption performance and governing mechanisms of ball-milled biochar for the removal of volatile organic compounds (VOCs). <i>Chemical Engineering Journal</i> , 2020 , 385, 123842	14.7	86
177	Investigation of cold bonded lightweight aggregates produced with incineration sewage sludge ash (ISSA) and cementitious waste. <i>Journal of Cleaner Production</i> , 2020 , 251, 119709	10.3	15
176	Thallium contamination, health risk assessment and source apportionment in common vegetables. <i>Science of the Total Environment</i> , 2020 , 703, 135547	10.2	43
175	Prussian Blue Analogue-derived co/fe bimetallic nanoparticles immobilized on S/N-doped carbon sheet as a magnetic heterogeneous catalyst for activating peroxymonosulfate in water. <i>Chemosphere</i> , 2020 , 244, 125444	8.4	28
174	Hyperaccumulation and transport mechanism of thallium and arsenic in brake ferns (<i>Pteris vittata</i> L.): A case study from mining area. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121756	12.8	38
173	Biochar-based adsorbents for carbon dioxide capture: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109582	16.2	81
172	Green synthesis of graphitic nanobiochar for the removal of emerging contaminants in aqueous media. <i>Science of the Total Environment</i> , 2020 , 706, 135725	10.2	33
171	Adsorption of acetone and cyclohexane onto CO activated hydrochars. <i>Chemosphere</i> , 2020 , 245, 125664	8.4	27

170	Health risks of metal(loid)s in maize (<i>Zea mays</i> L.) in an artisanal zinc smelting zone and source fingerprinting by lead isotope. <i>Science of the Total Environment</i> , 2020 , 742, 140321	10.2	17
169	Singlet oxygen mediated the selective removal of oxytetracycline in C/FeC/Fe system as compared to chloramphenicol. <i>Environment International</i> , 2020 , 143, 105899	12.9	11
168	Comparison of pollutant source tracking approaches: Heavy metals deposited on urban road surfaces as a case study. <i>Environmental Pollution</i> , 2020 , 266, 115253	9.3	2
167	Biorefinery-assisted soil management for enhancing food security. <i>Journal of Soils and Sediments</i> , 2020 , 20, 4007-4010	3.4	1
166	The role of zinc in metakaolin-based geopolymers. <i>Cement and Concrete Research</i> , 2020 , 136, 106194	10.3	41
165	Quantitative isotopic fingerprinting of thallium associated with potentially toxic elements (PTEs) in fluvial sediment cores with multiple anthropogenic sources. <i>Environmental Pollution</i> , 2020 , 266, 115252	9.3	19
164	Persistent thallium contamination in river sediments, source apportionment and environmental implications. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110874	7	18
163	Evaluating the environmental impact of contaminated sediment column stabilized by deep cement mixing. <i>Chemosphere</i> , 2020 , 261, 127755	8.4	4
162	Effect of immobilizing reagents on soil Cd and Pb lability under freeze-thaw cycles: Implications for sustainable agricultural management in seasonally frozen land. <i>Environment International</i> , 2020 , 144, 106040	12.9	22
161	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science & Technology</i> , 2020 , 54, 14797-14814	10.3	92
160	Biochar-induced metal immobilization and soil biogeochemical process: An integrated mechanistic approach. <i>Science of the Total Environment</i> , 2020 , 698, 134112	10.2	87
159	A green biochar/iron oxide composite for methylene blue removal. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121286	12.8	165
158	Biochar-supported nanoscale zero-valent iron as an efficient catalyst for organic degradation in groundwater. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121240	12.8	149
157	Geochemical fractionation of thallium in contaminated soils near a large-scale Hg-Tl mineralised area. <i>Chemosphere</i> , 2020 , 239, 124775	8.4	17
156	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121243	12.8	48
155	Gasification biochar from biowaste (food waste and wood waste) for effective CO adsorption. <i>Journal of Hazardous Materials</i> , 2020 , 391, 121147	12.8	62
154	Thallium isotopic fractionation in industrial process of pyrite smelting and environmental implications. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121378	12.8	49
153	Microwave-assisted production of CO-activated biochar from sugarcane bagasse for electrochemical desalination. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121192	12.8	33

152	Biorenewable hydrogen production through biomass gasification: A review and future prospects. <i>Environmental Research</i> , 2020 , 186, 109547	7.9	99
151	Novel CuCoO Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20522-20535	9.5	36
150	Microwave vacuum pyrolysis of waste plastic and used cooking oil for simultaneous waste reduction and sustainable energy conversion: Recovery of cleaner liquid fuel and techno-economic analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109359	16.2	116
149	Current progress in treatment techniques of triclosan from wastewater: A review. <i>Science of the Total Environment</i> , 2019 , 696, 133990	10.2	19
148	Mechanisms of U(VI) removal by biochar derived from <i>Ficus microcarpa</i> aerial root: A comparison between raw and modified biochar. <i>Science of the Total Environment</i> , 2019 , 697, 134115	10.2	46
147	Spatial variation of sediment bacterial community in an acid mine drainage contaminated area and surrounding river basin. <i>Journal of Environmental Management</i> , 2019 , 251, 109542	7.9	9
146	Silica Supported MgO as An Adsorbent for Precombustion CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6565-6574	5.6	6
145	High contamination risks of thallium and associated metal(loid)s in fluvial sediments from a steel-making area and implications for environmental management. <i>Journal of Environmental Management</i> , 2019 , 250, 109513	7.9	27
144	Assessment of sources of heavy metals in soil and dust at children's playgrounds in Beijing using GIS and multivariate statistical analysis. <i>Environment International</i> , 2019 , 124, 320-328	12.9	157
143	Multifunctional iron-biochar composites for the removal of potentially toxic elements, inherent cations, and hetero-chloride from hydraulic fracturing wastewater. <i>Environment International</i> , 2019 , 124, 521-532	12.9	287
142	Biodegradation of methylene blue dye in a batch and continuous mode using biochar as packing media. <i>Environmental Research</i> , 2019 , 171, 356-364	7.9	99
141	Catalytic thermolysis of oak sawdust using Fe-based catalyst and CO ₂ . <i>Journal of CO₂ Utilization</i> , 2019 , 32, 269-275	7.6	13
140	The roles of biochar as green admixture for sediment-based construction products. <i>Cement and Concrete Composites</i> , 2019 , 104, 103348	8.6	101
139	Value-added chemicals from food supply chain wastes: State-of-the-art review and future prospects. <i>Chemical Engineering Journal</i> , 2019 , 375, 121983	14.7	138
138	Efficient succinic acid production using a biochar-treated textile waste hydrolysate in an in situ fibrous bed bioreactor. <i>Biochemical Engineering Journal</i> , 2019 , 149, 107249	4.2	21
137	Risk evaluation of biochars produced from Cd-contaminated rice straw and optimization of its production for Cd removal. <i>Chemosphere</i> , 2019 , 233, 149-156	8.4	34
136	Interaction with low molecular weight organic acids affects the electron shuttling of biochar for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120705	12.8	55
135	Fabrication and environmental applications of multifunctional mixed metal-biochar composites (MMBC) from red mud and lignin wastes. <i>Journal of Hazardous Materials</i> , 2019 , 374, 412-419	12.8	114

134	Insights into the oxidation of organic contaminants by iron nanoparticles encapsulated within boron and nitrogen co-doped carbon nanoshell: Catalyzed Fenton-like reaction at natural pH. <i>Environment International</i> , 2019 , 128, 77-88	12.9	48
133	Biochar composition-dependent impacts on soil nutrient release, carbon mineralization, and potential environmental risk: A review. <i>Journal of Environmental Management</i> , 2019 , 241, 458-467	7.9	145
132	Effect of biochars pyrolyzed in N and CO, and feedstock on microbial community in metal(loid)s contaminated soils. <i>Environment International</i> , 2019 , 126, 791-801	12.9	36
131	Thallium pollution in China and removal technologies for waters: A review. <i>Environment International</i> , 2019 , 126, 771-790	12.9	103
130	Sustainable stabilization/solidification of municipal solid waste incinerator fly ash by incorporation of green materials. <i>Journal of Cleaner Production</i> , 2019 , 222, 335-343	10.3	102
129	A review on biochar modulated soil condition improvements and nutrient dynamics concerning crop yields: Pathways to climate change mitigation and global food security. <i>Chemosphere</i> , 2019 , 227, 345-365	8.4	115
128	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. <i>Science of the Total Environment</i> , 2019 , 672, 551-562	10.2	77
127	Green synthesis of nanoparticles for the remediation of contaminated waters and soils: Constituents, synthesizing methods, and influencing factors. <i>Journal of Cleaner Production</i> , 2019 , 226, 540-549	10.3	86
126	Soil lead immobilization by biochars in short-term laboratory incubation studies. <i>Environment International</i> , 2019 , 127, 190-198	12.9	54
125	Formation, characteristics, and applications of environmentally persistent free radicals in biochars: A review. <i>Bioresource Technology</i> , 2019 , 281, 457-468	11	142
124	Bioaccumulation of potentially toxic elements by submerged plants and biofilms: A critical review. <i>Environment International</i> , 2019 , 131, 105015	12.9	39
123	Removal of U(VI) from nuclear mining effluent by porous hydroxyapatite: Evaluation on characteristics, mechanisms and performance. <i>Environmental Pollution</i> , 2019 , 254, 112891	9.3	40
122	Potentially toxic elements in solid waste streams: Fate and management approaches. <i>Environmental Pollution</i> , 2019 , 253, 680-707	9.3	44
121	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , 2019 , 291, 121878	11	113
120	Optimizing the synthesis of Fe/Al (Hydr)oxides-Biochars to maximize phosphate removal via response surface model. <i>Journal of Cleaner Production</i> , 2019 , 237, 117770	10.3	74
119	Removal of lead by rice husk biochars produced at different temperatures and implications for their environmental utilizations. <i>Chemosphere</i> , 2019 , 235, 825-831	8.4	54
118	A system dynamics approach to determine construction waste disposal charge in Hong Kong. <i>Journal of Cleaner Production</i> , 2019 , 241, 118309	10.3	30
117	Coupling carbon dioxide and magnetite for the enhanced thermolysis of polyvinyl chloride. <i>Science of the Total Environment</i> , 2019 , 696, 133951	10.2	11

116	Effects of elevated CO on the phytoremediation efficiency of <i>Noccaea caerulea</i> . <i>Environmental Pollution</i> , 2019 , 255, 113169	9.3	11
115	Mechanistic insights into red mud, blast furnace slag, or metakaolin-assisted stabilization/solidification of arsenic-contaminated sediment. <i>Environment International</i> , 2019 , 133, 105247	12.9	60
114	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. <i>Environment International</i> , 2019 , 126, 336-345	12.9	175
113	Degradation of antibiotics by modified vacuum-UV based processes: Mechanistic consequences of HO and KSO in the presence of halide ions. <i>Science of the Total Environment</i> , 2019 , 664, 312-321	10.2	75
112	A critical review of risks, characteristics, and treatment strategies for potentially toxic elements in wastewater from shale gas extraction. <i>Environment International</i> , 2019 , 125, 452-469	12.9	69
111	Phosphorus mobilization in lake sediments: Experimental evidence of strong control by iron and negligible influences of manganese redox reactions. <i>Environmental Pollution</i> , 2019 , 246, 472-481	9.3	29
110	Organic Acid-Regulated Lewis Acidity for Selective Catalytic Hydroxymethylfurfural Production from Rice Waste: An Experimental/Computational Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1437-1446	8.3	16
109	Seasonal antimony pollution caused by high mobility of antimony in sediments: In situ evidence and mechanical interpretation. <i>Journal of Hazardous Materials</i> , 2019 , 367, 427-436	12.8	18
108	Microwave-assisted low-temperature hydrothermal treatment of red seaweed (<i>Gracilaria lemaneiformis</i>) for production of levulinic acid and algae hydrochar. <i>Bioresource Technology</i> , 2019 , 273, 251-258	11	108
107	Transforming waterworks sludge into controlled low-strength material: Bench-scale optimization and field test validation. <i>Journal of Environmental Management</i> , 2019 , 232, 254-263	7.9	14
106	Effect of gasification biochar application on soil quality: Trace metal behavior, microbial community, and soil dissolved organic matter. <i>Journal of Hazardous Materials</i> , 2019 , 365, 684-694	12.8	100
105	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. <i>Journal of Hazardous Materials</i> , 2019 , 365, 695-706	12.8	110
104	Assembling biochar with various layered double hydroxides for enhancement of phosphorus recovery. <i>Journal of Hazardous Materials</i> , 2019 , 365, 665-673	12.8	136
103	A novel electrochemical modification combined with one-step pyrolysis for preparation of sustainable thorn-like iron-based biochar composites. <i>Bioresource Technology</i> , 2019 , 274, 379-385	11	69
102	Effect of production temperature on lead removal mechanisms by rice straw biochars. <i>Science of the Total Environment</i> , 2019 , 655, 751-758	10.2	148
101	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , 2019 , 123, 567-579	12.9	89
100	Concurrent adsorption and micro-electrolysis of Cr(VI) by nanoscale zerovalent iron/biochar/Ca-alginate composite. <i>Environmental Pollution</i> , 2019 , 247, 410-420	9.3	97
99	Porous biochar composite assembled with ternary needle-like iron-manganese-sulphur hybrids for high-efficiency lead removal. <i>Bioresource Technology</i> , 2019 , 272, 415-420	11	56

98	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , 2019 , 83, 161-170	8.6	73
97	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. <i>Journal of Cleaner Production</i> , 2019 , 212, 420-427	10.3	16
96	High-performance materials for effective sorptive removal of formaldehyde in air. <i>Journal of Hazardous Materials</i> , 2019 , 366, 452-465	12.8	139
95	Synthesis of MgO-coated corncob biochar and its application in lead stabilization in a soil washing residue. <i>Environment International</i> , 2019 , 122, 357-362	12.9	111
94	Mechanical, durability and environmental aspects of magnesium oxychloride cement boards incorporating waste wood. <i>Journal of Cleaner Production</i> , 2019 , 207, 391-399	10.3	38
93	Metal organic frameworks as potent treatment media for odorants and volatiles in air. <i>Environmental Research</i> , 2019 , 168, 336-356	7.9	29
92	Lignin materials for adsorption: Current trend, perspectives and opportunities. <i>Bioresource Technology</i> , 2019 , 272, 570-581	11	141
91	Fabrication of spherical biochar by a two-step thermal process from waste potato peel. <i>Science of the Total Environment</i> , 2018 , 626, 478-485	10.2	28
90	A novel type of controlled low strength material derived from alum sludge and green materials. <i>Construction and Building Materials</i> , 2018 , 165, 792-800	6.7	43
89	Environmental and technical feasibility study of upcycling wood waste into cement-bonded particleboard. <i>Construction and Building Materials</i> , 2018 , 173, 474-480	6.7	28
88	Combined application of EDDS and EDTA for removal of potentially toxic elements under multiple soil washing schemes. <i>Chemosphere</i> , 2018 , 205, 178-187	8.4	45
87	Continuous leaching modifies the surface properties and metal(loid) sorption of sludge-derived biochar. <i>Science of the Total Environment</i> , 2018 , 625, 731-737	10.2	24
86	Plenty of room for carbon on the ground: Potential applications of biochar for stormwater treatment. <i>Science of the Total Environment</i> , 2018 , 625, 1644-1658	10.2	110
85	Bamboo- and pig-derived biochars reduce leaching losses of dibutyl phthalate, cadmium, and lead from co-contaminated soils. <i>Chemosphere</i> , 2018 , 198, 450-459	8.4	97
84	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , 2018 , 29, 2162-2171	4.4	64
83	Sorption, mobility, and bioavailability of PBDEs in the agricultural soils: Roles of co-existing metals, dissolved organic matter, and fertilizers. <i>Science of the Total Environment</i> , 2018 , 619-620, 1153-1162	10.2	17
82	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , 2018 , 625, 147-154	10.2	57
81	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , 2018 , 196, 9-17	8.4	40

80	Enhanced adsorption of arsenic onto alum sludge modified by calcination. <i>Journal of Cleaner Production</i> , 2018 , 176, 54-62	10.3	57
79	Optimizing xylose production from pinewood sawdust through dilute-phosphoric-acid hydrolysis by response surface methodology. <i>Journal of Cleaner Production</i> , 2018 , 178, 572-579	10.3	29
78	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. <i>Science of the Total Environment</i> , 2018 , 625, 1567-1573	10.2	139
77	Internal phosphorus loading from sediments causes seasonal nitrogen limitation for harmful algal blooms. <i>Science of the Total Environment</i> , 2018 , 625, 872-884	10.2	156
76	Comparative analysis biochar and compost-induced degradation of di-(2-ethylhexyl) phthalate in soils. <i>Science of the Total Environment</i> , 2018 , 625, 987-993	10.2	51
75	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , 2018 , 252, 76-82	11	99
74	Corn straw-derived biochar impregnated with FeOOH nanorods for highly effective copper removal. <i>Chemical Engineering Journal</i> , 2018 , 348, 191-201	14.7	110
73	Effects of calcium carbonate on pyrolysis of sewage sludge. <i>Energy</i> , 2018 , 153, 726-731	7.9	92
72	Metal(loid) immobilization in soils with biochars pyrolyzed in N and CO environments. <i>Science of the Total Environment</i> , 2018 , 630, 1103-1114	10.2	35
71	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO utilization. <i>Science of the Total Environment</i> , 2018 , 631-632, 1321-1327	10.2	71
70	Effects of low-alkalinity binders on stabilization/solidification of geogenic As-containing soils: Spectroscopic investigation and leaching tests. <i>Science of the Total Environment</i> , 2018 , 631-632, 1486-1494	10.2	33
69	Biofiltration of hydrogen sulfide: Trends and challenges. <i>Journal of Cleaner Production</i> , 2018 , 187, 131-147	10.3	75
68	Phthalate esters and organochlorine pesticides in agricultural soils and vegetables from fast-growing regions: a case study from eastern China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 34-42	5.1	33
67	Carbon dioxide assisted thermal decomposition of cattle excreta. <i>Science of the Total Environment</i> , 2018 , 615, 70-77	10.2	4
66	Engineered/designer biochar for the removal of phosphate in water and wastewater. <i>Science of the Total Environment</i> , 2018 , 616-617, 1242-1260	10.2	185
65	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018 , 232, 375-384	9.3	58
64	Environmental transformations and ecological effects of iron-based nanoparticles. <i>Environmental Pollution</i> , 2018 , 232, 10-30	9.3	184
63	Chelant-enhanced washing of CCA-contaminated soil: Coupled with selective dissolution or soil stabilization. <i>Science of the Total Environment</i> , 2018 , 612, 1463-1472	10.2	44

62	Organic contamination and remediation in the agricultural soils of China: A critical review. <i>Science of the Total Environment</i> , 2018 , 615, 724-740	10.2	152
61	Aging effects on chemical transformation and metal(loid) removal by entrapped nanoscale zero-valent iron for hydraulic fracturing wastewater treatment. <i>Science of the Total Environment</i> , 2018 , 615, 498-507	10.2	47
60	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , 2018 , 190, 90-96	8.4	110
59	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , 2018 , 351, 418-427	14.7	128
58	Life-cycle assessment on food waste valorisation to value-added products. <i>Journal of Cleaner Production</i> , 2018 , 199, 840-848	10.3	47
57	Phosphoric acid-activated wood biochar for catalytic conversion of starch-rich food waste into glucose and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , 2018 , 267, 242-248	11	72
56	Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. <i>Geoderma</i> , 2018 , 332, 100-108	6.7	142
55	Carbon dioxide sequestration on composites based on waste wood 2018 , 431-450		1
54	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. <i>Journal of Cleaner Production</i> , 2018 , 199, 69-76	10.3	67
53	Contrasting impacts of pre- and post-application aging of biochar on the immobilization of Cd in contaminated soils. <i>Environmental Pollution</i> , 2018 , 242, 1362-1370	9.3	78
52	Characterization of bioenergy biochar and its utilization for metal/metalloid immobilization in contaminated soil. <i>Science of the Total Environment</i> , 2018 , 640-641, 704-713	10.2	80
51	Nanoparticle-plant interaction: Implications in energy, environment, and agriculture. <i>Environment International</i> , 2018 , 119, 1-19	12.9	143
50	Fabrication and characterization of hydrophilic corn stalk biochar-supported nanoscale zero-valent iron composites for efficient metal removal. <i>Bioresource Technology</i> , 2018 , 265, 490-497	11	176
49	Contribution of pyrolytic gas medium to the fabrication of co-impregnated biochar. <i>Journal of CO2 Utilization</i> , 2018 , 26, 476-486	7.6	12
48	Biochar application for the remediation of heavy metal polluted land: A review of in situ field trials. <i>Science of the Total Environment</i> , 2018 , 619-620, 815-826	10.2	310
47	In-situ biochar application conserves nutrients while simultaneously mitigating runoff and erosion of an Fe-oxide-enriched tropical soil. <i>Science of the Total Environment</i> , 2018 , 619-620, 665-671	10.2	37
46	A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils. <i>Science of the Total Environment</i> , 2018 , 616-617, 572-582	10.2	114
45	Upcycling wood waste into fibre-reinforced magnesium phosphate cement particleboards. <i>Construction and Building Materials</i> , 2018 , 159, 54-63	6.7	57

44	Effect of pyrolysis temperature, heating rate, and residence time on rapeseed stem derived biochar. <i>Journal of Cleaner Production</i> , 2018 , 174, 977-987	10.3	316
43	Emerging Thallium Pollution in China and Source Tracing by Thallium Isotopes. <i>Environmental Science & Technology</i> , 2018 , 52, 11977-11979	10.3	27
42	Promoting food waste recycling in the commercial and industrial sector by extending the Theory of Planned Behaviour: A Hong Kong case study. <i>Journal of Cleaner Production</i> , 2018 , 204, 1034-1043	10.3	37
41	Transformation of functional groups and environmentally persistent free radicals in hydrothermal carbonisation of lignin. <i>Bioresource Technology</i> , 2018 , 270, 223-229	11	30
40	CO ₂ curing and fibre reinforcement for green recycling of contaminated wood into high-performance cement-bonded particleboards. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 107-116	7.6	34
39	Heavy metal immobilization and microbial community abundance by vegetable waste and pine cone biochar of agricultural soils. <i>Chemosphere</i> , 2017 , 174, 593-603	8.4	184
38	Mobility and phytoavailability of As and Pb in a contaminated soil using pine sawdust biochar under systematic change of redox conditions. <i>Chemosphere</i> , 2017 , 178, 110-118	8.4	185
37	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , 2017 , 176, 315-323	8.4	80
36	Conversion of biomass to hydroxymethylfurfural: A review of catalytic systems and underlying mechanisms. <i>Bioresource Technology</i> , 2017 , 238, 716-732	11	293
35	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017 , 182, 31-39	8.4	87
34	Using incinerated sewage sludge ash to improve the water resistance of magnesium oxychloride cement (MOC). <i>Construction and Building Materials</i> , 2017 , 147, 519-524	6.7	51
33	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017 , 599-600, 679-688	10.2	77
32	Potential impact of flowback water from hydraulic fracturing on agricultural soil quality: Metal/metalloid bioaccessibility, Microtox bioassay, and enzyme activities. <i>Science of the Total Environment</i> , 2017 , 579, 1419-1426	10.2	48
31	Effects of atmospheric ageing under different temperatures on surface properties of sludge-derived biochar and metal/metalloid stabilization. <i>Chemosphere</i> , 2017 , 184, 176-184	8.4	44
30	Insights into the subsurface transport of As(V) and Se(VI) in produced water from hydraulic fracturing using soil samples from Qingshankou Formation, Songliao Basin, China. <i>Environmental Pollution</i> , 2017 , 223, 449-456	9.3	22
29	Transformation of heavy metal fraction distribution in contaminated river sediment treated by chemical-enhanced washing. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1208-1218	3.4	13
28	Spatial distribution, emission source and health risk of parent PAHs and derivatives in surface soils from the Yangtze River Delta, eastern China. <i>Chemosphere</i> , 2017 , 178, 301-308	8.4	67
27	Hydrothermal liquefaction of agricultural and forestry wastes: state-of-the-art review and future prospects. <i>Bioresource Technology</i> , 2017 , 245, 1184-1193	11	147

26	Antibiotics in the agricultural soils from the Yangtze River Delta, China. <i>Chemosphere</i> , 2017 , 189, 301-308.	8.4	85
25	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , 2017 , 168, 452-462	10.3	54
24	Recycling contaminated sediment into eco-friendly paving blocks by a combination of binary cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2017 , 164, 1279-1288	10.3	50
23	Contamination characteristics and source apportionment of methylated PAHs in agricultural soils from Yangtze River Delta, China. <i>Environmental Pollution</i> , 2017 , 230, 927-935	9.3	18
22	Dynamic leaching behavior of geogenic As in soils after cement-based stabilization/solidification. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27822-27832	5.1	12
21	Valorization of biomass to hydroxymethylfurfural, levulinic acid, and fatty acid methyl ester by heterogeneous catalysts. <i>Chemical Engineering Journal</i> , 2017 , 328, 246-273	14.7	156
20	A review of biochar-based catalysts for chemical synthesis, biofuel production, and pollution control. <i>Bioresource Technology</i> , 2017 , 246, 254-270	11	300
19	A critical review on sustainable biochar system through gasification: Energy and environmental applications. <i>Bioresource Technology</i> , 2017 , 246, 242-253	11	188
18	Pyrolysis process of agricultural waste using CO ₂ for waste management, energy recovery, and biochar fabrication. <i>Applied Energy</i> , 2017 , 185, 214-222	10.7	142
17	Surface-modified biochar in a bioretention system for Escherichia coli removal from stormwater. <i>Chemosphere</i> , 2017 , 169, 89-98	8.4	73
16	Zero-valent iron for the abatement of arsenate and selenate from flowback water of hydraulic fracturing. <i>Chemosphere</i> , 2017 , 167, 163-170	8.4	29
15	Selective dissolution followed by EDDS washing of an e-waste contaminated soil: Extraction efficiency, fate of residual metals, and impact on soil environment. <i>Chemosphere</i> , 2017 , 166, 489-496	8.4	79
14	Integrating EDDS-enhanced washing with low-cost stabilization of metal-contaminated soil from an e-waste recycling site. <i>Chemosphere</i> , 2016 , 159, 426-432	8.4	50
13	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , 2016 , 148, 276-91	8.4	703
12	Contamination of phthalate esters, organochlorine pesticides and polybrominated diphenyl ethers in agricultural soils from the Yangtze River Delta of China. <i>Science of the Total Environment</i> , 2016 , 544, 670-6	10.2	106
11	Stabilization of cationic and anionic metal species in contaminated soils using sludge-derived biochar. <i>Chemosphere</i> , 2016 , 149, 263-71	8.4	100
10	Polychlorinated biphenyls in agricultural soils from the Yangtze River Delta of China: Regional contamination characteristics, combined ecological effects and human health risks. <i>Chemosphere</i> , 2016 , 163, 422-428	8.4	25
9	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , 2016 , 125, 316-325	6.7	74

8	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2016 , 137, 861-870	10.3	80
7	Ciprofloxacin adsorption on graphene and granular activated carbon: kinetics, isotherms, and effects of solution chemistry. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 3094-102	2.6	65
6	Highly effective degradation of sodium dodecylbenzene sulphonate and synthetic greywater by Fenton-like reaction over zerovalent iron-based catalyst. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1423-32	2.6	14
5	Green remediation and recycling of contaminated sediment by waste-incorporated stabilization/solidification. <i>Chemosphere</i> , 2015 , 122, 257-264	8.4	85
4	Mixture design and treatment methods for recycling contaminated sediment. <i>Journal of Hazardous Materials</i> , 2015 , 283, 623-32	12.8	64
3	Sludge-Derived Biochar for Arsenic(III) Immobilization: Effects of Solution Chemistry on Sorption Behavior. <i>Journal of Environmental Quality</i> , 2015 , 44, 1119-26	3.4	58
2	Soil stabilisation using AMD sludge, compost and lignite: TCLP leachability and continuous acid leaching. <i>Chemosphere</i> , 2013 , 93, 2839-47	8.4	59
1	Utilizing acid mine drainage sludge and coal fly ash for phosphate removal from dairy wastewater. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 3177-82	2.6	21