

# Daniel Cw Tsang

## List of Publications by Year in descending order

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Version: 2024-02-01

296  
papers

31,349  
citations

2098

100  
h-index

6294

158  
g-index

296  
all docs

296  
docs citations

296  
times ranked

18928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity of stabilized/solidified municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022, 424, 127369.	6.5	29
2	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.	6.5	82
3	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.	6.5	32
4	Designing novel magnesium oxysulfate cement for stabilization/solidification of municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022, 423, 127025.	6.5	89
5	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.	6.6	39
6	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.	6.6	50
7	Interactions between biochar and clay minerals in changing biochar carbon stability. <i>Science of the Total Environment</i> , 2022, 809, 151124.	3.9	33
8	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <i>Environmental Research</i> , 2022, 207, 112179.	3.7	75
9	Roles of biochar in cement-based stabilization/solidification of municipal solid waste incineration fly ash. <i>Chemical Engineering Journal</i> , 2022, 430, 132972.	6.6	98
10	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> , 2022, 425, 127906.	6.5	83
11	Biochar-augmented carbon-negative concrete. <i>Chemical Engineering Journal</i> , 2022, 431, 133946.	6.6	74
12	Overview of hazardous waste treatment and stabilization/solidification technology. , 2022, , 1-14.		4
13	Biochar for green and sustainable stabilization/solidification. , 2022, , 65-73.		1
14	Future research directions for sustainable remediation. , 2022, , 555-564.		0
15	Evaluating comprehensive carbon emissions of solidification/stabilization technologies: a case study. , 2022, , 517-530.		0
16	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.	3.7	15
17	Stoichiometric carbocatalysis via epoxide-like C <sup>+</sup> S <sup>+</sup> O configuration on sulfur-doped biochar for environmental remediation. <i>Journal of Hazardous Materials</i> , 2022, 428, 128223.	6.5	25
18	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.	6.5	67

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19	Soil plastisphere: Exploration methods, influencing factors, and ecological insights. <i>Journal of Hazardous Materials</i> , 2022, 430, 128503.	6.5	45
20	Biochar and sustainable development goals. , 2022, , 15-22.		6
21	Customizing high-performance molten salt biochar from wood waste for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Fuel Processing Technology</i> , 2022, 234, 107319.	3.7	23
22	Sustainable management of plastic wastes in COVID-19 pandemic: The biochar solution. <i>Environmental Research</i> , 2022, 212, 113495.	3.7	31
23	Redox-induced transformation of potentially toxic elements with organic carbon in soil. , 2022, 1, .		42
24	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.	6.6	50
25	Highly efficient removal of thallium in wastewater by MnFe <sub>2</sub> O <sub>4</sub> -biochar composite. <i>Journal of Hazardous Materials</i> , 2021, 401, 123311.	6.5	142
26	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.	6.5	325
27	A review on the valorisation of food waste as a nutrient source and soil amendment. <i>Environmental Pollution</i> , 2021, 272, 115985.	3.7	76
28	High-efficiency and low-carbon remediation of zinc contaminated sludge by magnesium oxysulfate cement. <i>Journal of Hazardous Materials</i> , 2021, 408, 124486.	6.5	61
29	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.	6.5	26
30	Fe/Al (hydr)oxides engineered biochar for reducing phosphorus leaching from a fertile calcareous soil. <i>Journal of Cleaner Production</i> , 2021, 279, 123877.	4.6	72
31	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.	6.5	63
32	Designing sustainable drainage systems in subtropical cities: Challenges and opportunities. <i>Journal of Cleaner Production</i> , 2021, 280, 124418.	4.6	22
33	Iron-crosslinked alginate derived Fe/C composites for atrazine removal from water. <i>Science of the Total Environment</i> , 2021, 756, 143866.	3.9	21
34	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.	4.8	105
35	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. <i>Journal of Cleaner Production</i> , 2021, 289, 125142.	4.6	56
36	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021, 320, 124412.	4.8	60

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37	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.	5.3	61
38	Emergent thallium exposure from uranium mill tailings. <i>Journal of Hazardous Materials</i> , 2021, 407, 124402.	6.5	71
39	Stabilisation/solidification of municipal solid waste incineration fly ash by phosphate-enhanced calcium aluminate cement. <i>Journal of Hazardous Materials</i> , 2021, 408, 124404.	6.5	85
40	Sustainable improvement of soil health utilizing biochar and arbuscular mycorrhizal fungi: A review. <i>Environmental Pollution</i> , 2021, 268, 115549.	3.7	74
41	Nitrate removal uncertainty in stormwater control measures: Is the design or climate a culprit?. <i>Water Research</i> , 2021, 190, 116781.	5.3	29
42	Critical Impact of Nitrogen Vacancies in Nonradical Carbocatalysis on Nitrogen-Doped Graphitic Biochar. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7004-7014.	4.6	112
43	Weathering of microplastics and interaction with other coexisting constituents in terrestrial and aquatic environments. <i>Water Research</i> , 2021, 196, 117011.	5.3	253
44	Sustainable stabilization/solidification of arsenic-containing soil by blast slag and cement blends. <i>Chemosphere</i> , 2021, 271, 129868.	4.2	44
45	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.	6.5	219
46	Stabilization of dissolvable biochar by soil minerals: Release reduction and organo-mineral complexes formation. <i>Journal of Hazardous Materials</i> , 2021, 412, 125213.	6.5	41
47	<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.	4.2	38
48	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.	4.6	76
49	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.	6.5	155
50	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.	4.6	252
51	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.	6.5	57
52	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.	6.5	31
53	A holistic understanding of cobalt cycling and limiting roles in the eutrophic Lake Taihu. <i>Chemosphere</i> , 2021, 277, 130234.	4.2	4
54	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.	4.6	52

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55	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.	6.5	37
56	Thallium geochemical fractionation and migration in Tl-As rich soils: The key controls. <i>Science of the Total Environment</i> , 2021, 784, 146995.	3.9	14
57	Impacts of different activation processes on the carbon stability of biochar for oxidation resistance. <i>Bioresource Technology</i> , 2021, 338, 125555.	4.8	74
58	Fast hydrolysis of biomass Conversion: A comparative review. <i>Bioresource Technology</i> , 2021, 342, 126067.	4.8	44
59	Roles of biochar-derived dissolved organic matter in soil amendment and environmental remediation: A critical review. <i>Chemical Engineering Journal</i> , 2021, 424, 130387.	6.6	167
60	Critical impacts of pyrolysis conditions and activation methods on application-oriented production of wood waste-derived biochar. <i>Bioresource Technology</i> , 2021, 341, 125811.	4.8	121
61	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.	6.6	63
62	Experimental and DFT investigation on N-functionalized biochars for enhanced removal of Cr(VI). <i>Environmental Pollution</i> , 2021, 291, 118244.	3.7	15
63	Technologies and perspectives for achieving carbon neutrality. <i>Innovation(China)</i> , 2021, 2, 100180.	5.2	306
64	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.	0.3	2
65	Biochar-induced metal immobilization and soil biogeochemical process: An integrated mechanistic approach. <i>Science of the Total Environment</i> , 2020, 698, 134112.	3.9	139
66	A green biochar/iron oxide composite for methylene blue removal. <i>Journal of Hazardous Materials</i> , 2020, 384, 121286.	6.5	315
67	Biochar-supported nanoscale zero-valent iron as an efficient catalyst for organic degradation in groundwater. <i>Journal of Hazardous Materials</i> , 2020, 383, 121240.	6.5	266
68	Geochemical fractionation of thallium in contaminated soils near a large-scale Hg-Tl mineralised area. <i>Chemosphere</i> , 2020, 239, 124775.	4.2	32
69	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.	6.5	75
70	Gasification biochar from biowaste (food waste and wood waste) for effective CO <sub>2</sub> adsorption. <i>Journal of Hazardous Materials</i> , 2020, 391, 121147.	6.5	132
71	Thallium isotopic fractionation in industrial process of pyrite smelting and environmental implications. <i>Journal of Hazardous Materials</i> , 2020, 384, 121378.	6.5	73
72	Microwave-assisted production of CO <sub>2</sub> -activated biochar from sugarcane bagasse for electrochemical desalination. <i>Journal of Hazardous Materials</i> , 2020, 383, 121192.	6.5	58

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73	Temporal sedimentary record of thallium pollution in an urban lake: An emerging thallium pollution source from copper metallurgy. <i>Chemosphere</i> , 2020, 242, 125172.	4.2	73
74	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.	6.5	43
75	(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.	4.8	63
76	Stabilization treatment of arsenic-alkali residue (AAR): Effect of the coexisting soluble carbonate on arsenic stabilization. <i>Environment International</i> , 2020, 135, 105406.	4.8	33
77	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2020, 390, 121649.	6.5	110
78	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. <i>Environment International</i> , 2020, 134, 105046.	4.8	701
79	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.	6.5	16
80	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.	6.5	87
81	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020, 707, 136080.	3.9	184
82	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.	3.9	187
83	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO <sub>2</sub> gas. <i>Cement and Concrete Composites</i> , 2020, 106, 103489.	4.6	108
84	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.	6.6	176
85	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.	4.6	41
86	Thallium contamination, health risk assessment and source apportionment in common vegetables. <i>Science of the Total Environment</i> , 2020, 703, 135547.	3.9	73
87	Prussian Blue Analogue-derived co/fe bimetallic nanoparticles immobilized on S/N-doped carbon sheet as a magnetic heterogeneous catalyst for activating peroxydisulfate in water. <i>Chemosphere</i> , 2020, 244, 125444.	4.2	43
88	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.	6.5	58
89	Biochar-based adsorbents for carbon dioxide capture: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109582.	8.2	212
90	Green synthesis of graphitic nanobiochar for the removal of emerging contaminants in aqueous media. <i>Science of the Total Environment</i> , 2020, 706, 135725.	3.9	76

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91	Adsorption of acetone and cyclohexane onto CO <sub>2</sub> activated hydrochars. <i>Chemosphere</i> , 2020, 245, 125664.	4.2	43
92	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.	3.9	39
93	Singlet oxygen mediated the selective removal of oxytetracycline in C/Fe <sub>3</sub> C/Fe <sub>0</sub> system as compared to chloramphenicol. <i>Environment International</i> , 2020, 143, 105899.	4.8	34
94	Comparison of pollutant source tracking approaches: Heavy metals deposited on urban road surfaces as a case study. <i>Environmental Pollution</i> , 2020, 266, 115253.	3.7	13
95	Biorefinery-assisted soil management for enhancing food security. <i>Journal of Soils and Sediments</i> , 2020, 20, 4007-4010.	1.5	3
96	The role of zinc in metakaolin-based geopolymers. <i>Cement and Concrete Research</i> , 2020, 136, 106194.	4.6	108
97	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.	3.7	30
98	Persistent thallium contamination in river sediments, source apportionment and environmental implications. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110874.	2.9	28
99	Evaluating the environmental impact of contaminated sediment column stabilized by deep cement mixing. <i>Chemosphere</i> , 2020, 261, 127755.	4.2	10
100	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.	4.8	54
101	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14797-14814.	4.6	273
102	Hydrothermal Liquefaction of Lignin to Aromatic Chemicals: Impact of Lignin Structure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 16957-16969.	1.8	76
103	Green remediation by using low-carbon cement-based stabilization/solidification approaches. , 2020, , 93-118.		11
104	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. <i>Bioresource Technology</i> , 2020, 312, 123613.	4.8	293
105	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.	6.5	49
106	Sustainable impact of tartaric acid as electron shuttle on hierarchical iron-incorporated biochar. <i>Chemical Engineering Journal</i> , 2020, 395, 125138.	6.6	46
107	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.	6.6	96
108	Sustainable soil use and management: An interdisciplinary and systematic approach. <i>Science of the Total Environment</i> , 2020, 729, 138961.	3.9	138

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109	Study of glucose isomerisation to fructose over three heterogeneous carbon-based aluminium-impregnated catalysts. <i>Journal of Cleaner Production</i> , 2020, 268, 122378.	4.6	14
110	Recent advances in mechanochemical production of chemicals and carbon materials from sustainable biomass resources. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 130, 109944.	8.2	128
111	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.	3.9	58
112	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.	3.9	91
113	Microplastics as pollutants in agricultural soils. <i>Environmental Pollution</i> , 2020, 265, 114980.	3.7	359
114	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.	6.5	63
115	Biochar technology in wastewater treatment: A critical review. <i>Chemosphere</i> , 2020, 252, 126539.	4.2	482
116	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.	4.6	20
117	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.	3.2	63
118	Facile synthesis of CuBTC and its graphene oxide composites as efficient adsorbents for CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , 2020, 393, 124666.	6.6	85
119	Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca <sup>2+</sup> -rich groundwater under anoxic conditions. <i>Water Research</i> , 2020, 183, 116106.	5.3	42
120	Red mud-enhanced magnesium phosphate cement for remediation of Pb and As contaminated soil. <i>Journal of Hazardous Materials</i> , 2020, 400, 123317.	6.5	106
121	Customised fabrication of nitrogen-doped biochar for environmental and energy applications. <i>Chemical Engineering Journal</i> , 2020, 401, 126136.	6.6	158
122	Efficacy of green alternatives and carbon dioxide curing in reactive magnesia cement-bonded particleboards. <i>Journal of Cleaner Production</i> , 2020, 258, 120997.	4.6	25
123	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.	1.9	16
124	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.	4.2	37
125	Effects and mechanisms of mineral amendment on thallium mobility in highly contaminated soils. <i>Journal of Environmental Management</i> , 2020, 262, 110251.	3.8	27
126	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2020, 258, 120678.	4.6	180

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127	Quantitative source tracking of heavy metals contained in urban road deposited sediments. <i>Journal of Hazardous Materials</i> , 2020, 393, 122362.	6.5	59
128	Fabrication of L-cysteine stabilized $\text{Fe}^{2+}$ -FeOOH nanocomposite on porous hydrophilic biochar as an effective adsorbent for $\text{Pb}^{2+}$ removal. <i>Science of the Total Environment</i> , 2020, 720, 137415.	3.9	54
129	Sustainable gasification biochar as a high efficiency adsorbent for $\text{CO}_2$ capture: A facile method to designer biochar fabrication. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 124, 109785.	8.2	107
130	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.	3.9	110
131	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.	4.2	43
132	Comparing biochar- and bentonite-supported Fe-based catalysts for selective degradation of antibiotics: Mechanisms and pathway. <i>Environmental Research</i> , 2020, 183, 109156.	3.7	61
133	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.	3.9	19
134	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.	3.9	121
135	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.	3.7	60
136	The roles of suspended solids in persulfate/ $\text{Fe}^{2+}$ treatment of hydraulic fracturing wastewater: Synergistic interplay of inherent wastewater components. <i>Chemical Engineering Journal</i> , 2020, 388, 124243.	6.6	29
137	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.	3.9	299
138	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.	3.7	71
139	Sustainable carbohydrate-derived building materials. , 2020, , 285-304.		0
140	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.	3.9	24
141	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.	3.9	53
142	Biorenewable hydrogen production through biomass gasification: A review and future prospects. <i>Environmental Research</i> , 2020, 186, 109547.	3.7	280
143	Novel $\text{CuCo}_2\text{O}_4$ 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 &amp; Interfaces</i> , 2020, 12, 20522-20535.	4.0	83
144	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.	4.8	38

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145	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.	4.6	20
146	Cadmium isotopes as tracers in environmental studies: A review. <i>Science of the Total Environment</i> , 2020, 736, 139585.	3.9	66
147	Bioaccumulation of potentially toxic elements by submerged plants and biofilms: A critical review. <i>Environment International</i> , 2019, 131, 105015.	4.8	65
148	Removal of U(VI) from nuclear mining effluent by porous hydroxyapatite: Evaluation on characteristics, mechanisms and performance. <i>Environmental Pollution</i> , 2019, 254, 112891.	3.7	62
149	Potentially toxic elements in solid waste streams: Fate and management approaches. <i>Environmental Pollution</i> , 2019, 253, 680-707.	3.7	79
150	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , 2019, 291, 121878.	4.8	177
151	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.	4.6	119
152	Removal of lead by rice husk biochars produced at different temperatures and implications for their environmental utilizations. <i>Chemosphere</i> , 2019, 235, 825-831.	4.2	107
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