Deyi Hou

List of Publications by Year
in descending order

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181 papers	15,368 citations	12330 69 h-index	19749 117 g-index
181 all docs	181 docs citations	181 times ranked	10377 citing authors

#	Article	IF	Citations
1	Multifunctional applications of biochar beyond carbon storage. International Materials Reviews, 2022, 67, 150-200.	19.3	245
2	Biochar composites: Emerging trends, field successes and sustainability implications. Soil Use and Management, 2022, 38, 14-38.	4.9	73
3	Insights into the adsorption of pharmaceuticals and personal care products (PPCPs) on biochar and activated carbon with the aid of machine learning. Journal of Hazardous Materials, 2022, 423, 127060.	12.4	82
4	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. Chemical Engineering Journal, 2022, 429, 132292.	12.7	39
5	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. Science of the Total Environment, 2022, 806, 150501.	8.0	8
6	Elucidating the redox-driven dynamic interactions between arsenic and iron-impregnated biochar in a paddy soil using geochemical and spectroscopic techniques. Journal of Hazardous Materials, 2022, 422, 126808.	12.4	57
7	Sustainability assessment and carbon budget of chemical stabilization based multi-objective remediation of Cd contaminated paddy field. Science of the Total Environment, 2022, 819, 152022.	8.0	18
8	Expediting climateâ€smart soils management. Soil Use and Management, 2022, 38, 1-6.	4.9	15
9	Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. Journal of Hazardous Materials, 2022, 425, 127971.	12.4	89
10	Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils. Environmental Pollution, 2022, 299, 118810.	7.5	38
11	Aging features of metal(loid)s in biochar-amended soil: Effects of biochar type and aging method. Science of the Total Environment, 2022, 815, 152922.	8.0	31
12	Stoichiometric carbocatalysis via epoxide-like Câ”Sâ”O configuration on sulfur-doped biochar for environmental remediation. Journal of Hazardous Materials, 2022, 428, 128223.	12.4	25
13	Biochar alters chemical and microbial properties of microplastic-contaminated soil. Environmental Research, 2022, 209, 112807.	7.5	43
14	Bioremediation of hexavalent-chromium contaminated groundwater: Microcosm, column, and microbial diversity studies. Chemosphere, 2022, 295, 133877.	8.2	5
15	Soil plastisphere: Exploration methods, influencing factors, and ecological insights. Journal of Hazardous Materials, 2022, 430, 128503.	12.4	45
16	Natural field freeze-thaw process leads to different performances of soil amendments towards Cd immobilization and enrichment. Science of the Total Environment, 2022, 831, 154880.	8.0	18
17	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement. Water Research, 2022, 218, 118468.	11.3	15
18	On the ideal groundwater sampling window by utilizing transition pumping period. Journal of Hydrology, 2022, 610, 127796.	5.4	1

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19	Unraveling natural aging-induced properties change of sludge-derived hydrochar and enhanced cadmium sorption site heterogeneity. Biochar, 2022, 4, .	12.6	13
20	Engineered biochar for environmental decontamination in aquatic and soil systems: a review. , 2022, 1, .		93
21	Waste-derived biochar for water pollution control and sustainable development. Nature Reviews Earth & Environment, 2022, 3, 444-460.	29.7	233
22	Insights into simultaneous adsorption and oxidation of antimonite [Sb(III)] by crawfish shell-derived biochar: spectroscopic investigation and theoretical calculations. Biochar, 2022, 4, .	12.6	15
23	Progress and future prospects in biochar composites: Application and reflection in the soil environment. Critical Reviews in Environmental Science and Technology, 2021, 51, 219-271.	12.8	93
24	Engineered/designer hierarchical porous carbon materials for organic pollutant removal from water and wastewater: A critical review. Critical Reviews in Environmental Science and Technology, 2021, 51, 2295-2328.	12.8	24
25	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. Journal of Hazardous Materials, 2021, 401, 123415.	12.4	325
26	Performance indicators for a holistic evaluation of catalyst-based degradationâ€"A case study of selected pharmaceuticals and personal care products (PPCPs). Journal of Hazardous Materials, 2021, 402, 123460.	12.4	26
27	Influence of biochar and soil properties on soil and plant tissue concentrations of Cd and Pb: A meta-analysis. Science of the Total Environment, 2021, 755, 142582.	8.0	109
28	Machine learning for the selection of carbon-based materials for tetracycline and sulfamethoxazole adsorption. Chemical Engineering Journal, 2021, 406, 126782.	12.7	119
29	VIRS based detection in combination with machine learning for mapping soil pollution. Environmental Pollution, 2021, 268, 115845.	7.5	38
30	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. Journal of Cleaner Production, 2021, 289, 125142.	9.3	56
31	Possible application of stable isotope compositions for the identification of metal sources in soil. Journal of Hazardous Materials, 2021, 407, 124812.	12.4	69
32	Mapping soil pollution by using drone image recognition and machine learning at an arsenic-contaminated agricultural field. Environmental Pollution, 2021, 270, 116281.	7.5	57
33	Iron-modified biochar and water management regime-induced changes in plant growth, enzyme activities, and phytoavailability of arsenic, cadmium and lead in a paddy soil. Journal of Hazardous Materials, 2021, 407, 124344.	12.4	150
34	Biochar for sustainable soil management. Soil Use and Management, 2021, 37, 2-6.	4.9	25
35	A review of green remediation strategies for heavy metal contaminated soil. Soil Use and Management, 2021, 37, 936-963.	4.9	117
36	Critical Impact of Nitrogen Vacancies in Nonradical Carbocatalysis on Nitrogen-Doped Graphitic Biochar. Environmental Science & Technology, 2021, 55, 7004-7014.	10.0	112

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37	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. Environmental Science & Technology, 2021, 55, 6012-6021.	10.0	44
38	Sustainable soil management and climate change mitigation. Soil Use and Management, 2021, 37, 220-223.	4.9	14
39	Comparison of the Hydraulic Fracturing Water Cycle in China and North America: A Critical Review. Environmental Science & Technology, 2021, 55, 7167-7185.	10.0	57
40	Biochar Surface Functionality Plays a Vital Role in (Im)Mobilization and Phytoavailability of Soil Vanadium. ACS Sustainable Chemistry and Engineering, 2021, 9, 6864-6874.	6.7	35
41	A critical review on performance indicators for evaluating soil biota and soil health of biochar-amended soils. Journal of Hazardous Materials, 2021, 414, 125378.	12.4	155
42	Impact of Atmospheric Pressure Fluctuations on Nonequilibrium Transport of Volatile Organic Contaminants in the Vadose Zone: Experimental and Numerical Modeling. Water Resources Research, 2021, 57, e2020WR029344.	4.2	9
43	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. Environmental Science & Technology, 2021, 55, 12032-12042.	10.0	62
44	Simultaneous reduction and immobilization of Cr(VI) in seasonally frozen areas: Remediation mechanisms and the role of ageing. Journal of Hazardous Materials, 2021, 415, 125650.	12.4	37
45	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. Journal of Hazardous Materials, 2021, 419, 126413.	12.4	55
46	Effect of production temperature and particle size of rice husk biochar on mercury immobilization and erosion prevention of a mercury contaminated soil. Journal of Hazardous Materials, 2021, 420, 126646.	12.4	22
47	(Im)mobilization of arsenic, chromium, and nickel in soils via biochar: A meta-analysis. Environmental Pollution, 2021, 286, 117199.	7.5	40
48	The term â€œheavy metal(s)â€: History, current debate, and future use. Science of the Total Environment, 2021, 789, 147951.	8.0	15
49	Roles of biochar-derived dissolved organic matter in soil amendment and environmental remediation: A critical review. Chemical Engineering Journal, 2021, 424, 130387.	12.7	167
50	Unraveling iron speciation on Fe-biochar with distinct arsenic removal mechanisms and depth distributions of As and Fe. Chemical Engineering Journal, 2021, 425, 131489.	12.7	63
51	Sustainable Remediation in China: Elimination, Immobilization, or Dilution. Environmental Science & Technology, 2021, 55, 15572-15574.	10.0	30
52	Manage the environmental risks of perovskites. One Earth, 2021, 4, 1534-1537.	6.8	6
53	Occurrence of contaminants in drinking water sources and the potential of biochar for water quality improvement: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 549-611.	12.8	143
54	A green biochar/iron oxide composite for methylene blue removal. Journal of Hazardous Materials, 2020, 384, 121286.	12.4	315

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55	Clayâ€“polymer nanocomposites: Progress and challenges for use in sustainable water treatment. Journal of Hazardous Materials, 2020, 383, 121125.	12.4	132
56	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. Environment International, 2020, 134, 105281.	10.0	228
57	Blood lead levels among Chinese children: The shifting influence of industry, traffic, and e-waste over three decades. Environment International, 2020, 135, 105379.	10.0	47
58	Biochar induced modification of graphene oxide & nZVI and its impact on immobilization of toxic copper in soil. Environmental Pollution, 2020, 259, 113851.	7.5	58
59	Field trials of phytomining and phytoremediation: A critical review of influencing factors and effects of additives. Critical Reviews in Environmental Science and Technology, 2020, 50, 2724-2774.	12.8	84
60	Synergistic construction of green tea biochar supported nZVI for immobilization of lead in soil: A mechanistic investigation. Environment International, 2020, 135, 105374.	10.0	74
61	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. Environment International, 2020, 134, 105046.	10.0	701
62	Influence of groundwater table fluctuation on the non-equilibrium transport of volatile organic contaminants in the vadose zone. Journal of Hydrology, 2020, 580, 124353.	5.4	36
63	Modeling the risk of U(VI) migration through an engineered barrier system at a proposed Chinese high-level radioactive waste repository. Science of the Total Environment, 2020, 707, 135472.	8.0	9
64	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. Journal of Hazardous Materials, 2020, 387, 122005.	12.4	87
65	Exogenous phosphorus treatment facilitates chelation-mediated cadmium detoxification in perennial ryegrass (Lolium perenne L.). Journal of Hazardous Materials, 2020, 389, 121849.	12.4	67
66	Green synthesis of graphitic nanobiochar for the removal of emerging contaminants in aqueous media. Science of the Total Environment, 2020, 706, 135725.	8.0	76
67	Knowledge sharing and adoption behaviour: An imperative to promote sustainable soil use and management. Soil Use and Management, 2020, 36, 557-560.	4.9	2
68	Nature-Inspired and Sustainable Synthesis of Sulfur-Bearing Fe-Rich Nanoparticles. ACS Sustainable Chemistry and Engineering, 2020, 8, 15791-15808.	6.7	6
69	Machine learning exploration of the critical factors for CO2 adsorption capacity on porous carbon materials at different pressures. Journal of Cleaner Production, 2020, 273, 122915.	9.3	94
70	Effects of aging and weathering on immobilization of trace metals/metalloids in soils amended with biochar. Environmental Sciences: Processes and Impacts, 2020, 22, 1790-1808.	3.5	29
71	Effect of immobilizing reagents on soil Cd and Pb lability under freeze-thaw cycles: Implications for sustainable agricultural management in seasonally frozen land. Environment International, 2020, 144, 106040.	10.0	54
72	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. Environmental Science & Technology, 2020, 54, 14797-14814.	10.0	273

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73	Green and sustainable remediation: past, present, and future developments. , 2020, , 19-42.		2
74	Remedial process optimization and sustainability benefits. , 2020, , 279-300.		0
75	Optimizing extraction procedures for better removal of potentially toxic elements during EDTA-assisted soil washing. Journal of Soils and Sediments, 2020, 20, 3417-3426.	3.0	12
76	Sustainable soil use and management: An interdisciplinary and systematic approach. Science of the Total Environment, 2020, 729, 138961.	8.0	138
77	Critical Review on Biocharâ€Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. Advanced Sustainable Systems, 2020, 4, 1900149.	5.3	93
78	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. ACS Sustainable Chemistry and Engineering, 2020, 8, 6990-7001.	6.7	63
79	Metal contamination and bioremediation of agricultural soils for food safety and sustainability. Nature Reviews Earth & Environment, 2020, 1, 366-381.	29.7	493
80	Sustainable remediation and revival of brownfields. Science of the Total Environment, 2020, 741, 140475.	8.0	7
81	The effects of iniquitous lead exposure on health. Nature Sustainability, 2020, 3, 77-79.	23.7	69
82	A numerical model to optimize LNAPL remediation by multi-phase extraction. Science of the Total Environment, 2020, 718, 137309.	8.0	15
83	Biochar as green additives in cement-based composites with carbon dioxide curing. Journal of Cleaner Production, 2020, 258, 120678.	9.3	180
84	Quantitative source tracking of heavy metals contained in urban road deposited sediments. Journal of Hazardous Materials, 2020, 393, 122362.	12.4	59
85	Green immobilization of toxic metals using alkaline enhanced rice husk biochar: Effects of pyrolysis temperature and KOH concentration. Science of the Total Environment, 2020, 720, 137584.	8.0	110
86	Effects of excessive impregnation, magnesium content, and pyrolysis temperature on MgO-coated watermelon rind biochar and its lead removal capacity. Environmental Research, 2020, 183, 109152.	7.5	60
87	The roles of suspended solids in persulfate/Fe2+ treatment of hydraulic fracturing wastewater: Synergistic interplay of inherent wastewater components. Chemical Engineering Journal, 2020, 388, 124243.	12.7	29
88	The development of groundwater research in the past 40Âyears: A burgeoning trend in groundwater depletion and sustainable management. Journal of Hydrology, 2020, 587, 125006.	5.4	40
89	Sulfur-modified biochar as a soil amendment to stabilize mercury pollution: An accelerated simulation of long-term aging effects. Environmental Pollution, 2020, 264, 114687.	7.5	71
90	Green and sustainable remediation: concepts, principles, and pertaining research. , 2020, , 1-17.		11

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91	Sustainability assessment for remediation decision-making. , 2020, , 43-73.		5
92	Sustainable remediation with an electroactive biochar system: mechanisms and perspectives. Green Chemistry, 2020, 22, 2688-2711.	9.0	109
93	New trends in biochar pyrolysis and modification strategies: feedstock, pyrolysis conditions, sustainability concerns and implications for soil amendment. Soil Use and Management, 2020, 36, 358-386.	4.9	200
94	The use of biochar for sustainable treatment of contaminated soils. , 2020, , 119-167.		5
95	Supplying social infrastructure land for satisfying public needs or leasing residential land? A study of local government choices in China. Land Use Policy, 2019, 87, 104088.	5.6	28
96	Temporal effect of MgO reactivity on the stabilization of lead contaminated soil. Environment International, 2019, 131, 104990.	10.0	49
97	On the long-term migration of uranyl in bentonite barrier for high-level radioactive waste repositories: The effect of different host rocks. Chemical Geology, 2019, 525, 46-57.	3.3	14
98	Trade war threatens sustainability. Science, 2019, 364, 1242-1243.	12.6	4
99	Phytoremediation: Climate change resilience and sustainability assessment at a coastal brownfield redevelopment. Environment International, 2019, 130, 104945.	10.0	54
100	Removal of lead by rice husk biochars produced at different temperatures and implications for their environmental utilizations. Chemosphere, 2019, 235, 825-831.	8.2	107
101	More haste, less speed in replenishing Chinaâ€™s groundwater. Nature, 2019, 569, 487-487.	27.8	8
102	Heavy metal dissolution mechanisms from electrical industrial sludge. Science of the Total Environment, 2019, 696, 133922.	8.0	16
103	Soil pollution â€” speed up global mapping. Nature, 2019, 566, 455-455.	27.8	31
104	Solidification/Stabilization for Soil Remediation: An Old Technology with New Vitality. Environmental Science & Technology, 2019, 53, 11615-11617.	10.0	131
105	Assessment of sources of heavy metals in soil and dust at children's playgrounds in Beijing using GIS and multivariate statistical analysis. Environment International, 2019, 124, 320-328.	10.0	262
106	Lead contamination in Chinese surface soils: Source identification, spatial-temporal distribution and associated health risks. Critical Reviews in Environmental Science and Technology, 2019, 49, 1386-1423.	12.8	96
107	Nature based solutions for contaminated land remediation and brownfield redevelopment in cities: A review. Science of the Total Environment, 2019, 663, 568-579.	8.0	201
108	The roles of biochar as green admixture for sediment-based construction products. Cement and Concrete Composites, 2019, 104, 103348.	10.7	144

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109	Risk evaluation of biochars produced from Cd-contaminated rice straw and optimization of its production for Cd removal. Chemosphere, 2019, 233, 149-156.	8.2	54
110	Proofâ€ofâ€Concept Modeling of a New Groundwater Sampling Approach. Water Resources Research, 2019, 55, 5135-5146.	4.2	5
111	Fabrication and environmental applications of multifunctional mixed metal-biochar composites (MMBC) from red mud and lignin wastes. Journal of Hazardous Materials, 2019, 374, 412-419.	12.4	188
112	Measurement of size-fractionated particulate-bound mercury in Beijing and implications on sources and dry deposition of mercury. Science of the Total Environment, 2019, 675, 176-183.	8.0	17
113	Strengthening social-environmental management at contaminated sites to bolster Green and Sustainable Remediation via a survey. Chemosphere, 2019, 225, 295-303.	8.2	15
114	Mercury speciation, transformation, and transportation in soils, atmospheric flux, and implications for risk management: A critical review. Environment International, 2019, 126, 747-761.	10.0	278
115	Microplastics undergo accelerated vertical migration in sand soil due to small size and wet-dry cycles. Environmental Pollution, 2019, 249, 527-534.	7.5	287
116	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. Science of the Total Environment, 2019, 672, 551-562.	8.0	143
117	Green synthesis of nanoparticles for the remediation of contaminated waters and soils: Constituents, synthesizing methods, and influencing factors. Journal of Cleaner Production, 2019, 226, 540-549.	9.3	139
118	Organo-layered double hydroxides for the removal of polycyclic aromatic hydrocarbons from soil washing effluents containing high concentrations of surfactants. Journal of Hazardous Materials, 2019, 373, 678-686.	12.4	35
119	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. Environment International, 2019, 126, 336-345.	10.0	249
120	High stress low-flow (HSLF) sampling: A newly proposed groundwater purge and sampling approach. Science of the Total Environment, 2019, 664, 127-132.	8.0	7
121	Degradation of antibiotics by modified vacuum-UV based processes: Mechanistic consequences of H2O2 and K2S2O8 in the presence of halide ions. Science of the Total Environment, 2019, 664, 312-321.	8.0	92
122	One-pot green synthesis of bimetallic hollow palladium-platinum nanotubes for enhanced catalytic reduction of p-nitrophenol. Journal of Colloid and Interface Science, 2019, 539, 161-167.	9.4	90
123	Spatial distribution of lead contamination in soil and equipment dust at children's playgrounds in Beijing, China. Environmental Pollution, 2019, 245, 363-370.	7.5	64
124	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. Journal of Hazardous Materials, 2019, 365, 695-706.	12.4	151
125	Effect of production temperature on lead removal mechanisms by rice straw biochars. Science of the Total Environment, 2019, 655, 751-758.	8.0	214
126	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. Journal of Cleaner Production, 2019, 212, 420-427.	9.3	23

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127	Synthesis of MgO-coated corncob biochar and its application in lead stabilization in a soil washing residue. Environment International, 2019, 122, 357-362.	10.0	164
128	Structural equation modeling of PAHs in ambient air, dust fall, soil, and cabbage in vegetable bases of Northern China. Environmental Pollution, 2018, 239, 13-20.	7.5	27
129	An emerging market for groundwater remediation in China: Policies, statistics, and future outlook. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	41
130	Green and Sustainable Remediation Movement in the New Millennium and Its Relevance to China. , 2018, , 39-53.		1
131	Targeting cleanups towards a more sustainable future. Environmental Sciences: Processes and Impacts, 2018, 20, 266-269.	3.5	24
132	Sulfur-modified rice husk biochar: A green method for the remediation of mercury contaminated soil. Science of the Total Environment, 2018, 621, 819-826.	8.0	206
133	Examining the impacts of urban form on air pollutant emissions: Evidence from China. Journal of Environmental Management, 2018, 212, 405-414.	7.8	75
134	Climate change mitigation potential of contaminated land redevelopment: A city-level assessment method. Journal of Cleaner Production, 2018, 171, 1396-1406.	9.3	55
135	Mechanisms of biochar assisted immobilization of Pb2+ by bioapatite in aqueous solution. Chemosphere, 2018, 190, 260-266.	8.2	64
136	The potential value of biochar in the mitigation of gaseous emission of nitrogen. Science of the Total Environment, 2018, 612, 257-268.	8.0	69
137	Biochar application for the remediation of heavy metal polluted land: A review of in situ field trials. Science of the Total Environment, 2018, 619-620, 815-826.	8.0	429
138	Stability of heavy metals in soil washing residue with and without biochar addition under accelerated ageing. Science of the Total Environment, 2018, 619-620, 185-193.	8.0	96
139	Effect of pyrolysis temperature, heating rate, and residence time on rapeseed stem derived biochar. Journal of Cleaner Production, 2018, 174, 977-987.	9.3	513
140	Environmental and socio-economic sustainability appraisal of contaminated land remediation strategies: A case study at a mega-site in China. Science of the Total Environment, 2018, 610-611, 391-401.	8.0	127
141	Resilient remediation: Addressing extreme weather and climate change, creating community value. Remediation, 2018, 29, 7-18.	2.4	24
142	Lead-based paint remains a major public health concern: A critical review of global production, trade, use, exposure, health risk, and implications. Environment International, 2018, 121, 85-101.	10.0	160
143	Lead-based paint in children's toys sold on China's major online shopping platforms. Environmental Pollution, 2018, 241, 311-318.	7.5	50
144	Application of surface complexation modeling to trace metals uptake by biochar-amended agricultural soils. Applied Geochemistry, 2018, 88, 103-112.	3.0	30

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145	Farmers' perceptions and adaptation behaviours concerning land degradation: A theoretical framework and a caseâ€study in the Qinghaiâ€“Tibetan Plateau of China. Land Degradation and Development, 2018, 29, 2460-2471.	3.9	23
146	Green and Size-Specific Synthesis of Stable Feâ€“Cu Oxides as Earth-Abundant Adsorbents for Malachite Green Removal. ACS Sustainable Chemistry and Engineering, 2018, 6, 9229-9236.	6.7	79
147	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. Chemical Engineering Journal, 2018, 351, 418-427.	12.7	174
148	Assessing long-term stability of cadmium and lead in a soil washing residue amended with MgO-based binders using quantitative accelerated ageing. Science of the Total Environment, 2018, 643, 1571-1578.	8.0	57
149	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. Journal of Cleaner Production, 2018, 199, 69-76.	9.3	109
150	Sustainable in situ remediation of recalcitrant organic pollutants in groundwater with controlled release materials: A review. Journal of Controlled Release, 2018, 283, 200-213.	9.9	189
151	A Sustainability Assessment Framework for Agricultural Land Remediation in China. Land Degradation and Development, 2018, 29, 1005-1018.	3.9	91
152	Incorporating life cycle assessment with health risk assessment to select the â€˜greenestâ€™ cleanup level for Pb contaminated soil. Journal of Cleaner Production, 2017, 162, 1157-1168.	9.3	84
153	Complexities Surrounding China's Soil Action Plan. Land Degradation and Development, 2017, 28, 2315-2320.	3.9	133
154	Integrated GIS and multivariate statistical analysis for regional scale assessment of heavy metal soil contamination: A critical review. Environmental Pollution, 2017, 231, 1188-1200.	7.5	348
155	Optimization of groundwater sampling approach under various hydrogeological conditions using a numerical simulation model. Journal of Hydrology, 2017, 552, 505-515.	5.4	17
156	High efficiency removal of methylene blue using SDS surface-modified ZnFe2O4 nanoparticles. Journal of Colloid and Interface Science, 2017, 508, 39-48.	9.4	99
157	Treatability of volatile chlorinated hydrocarbon-contaminated soils of different textures along a vertical profile by mechanical soil aeration: A laboratory test. Journal of Environmental Sciences, 2017, 54, 328-335.	6.1	3
158	Life cycle assessment comparison of thermal desorption and stabilization/solidification of mercury contaminated soil on agricultural land. Journal of Cleaner Production, 2016, 139, 949-956.	9.3	83
159	Engineering practice of mechanical soil aeration for the remediation of volatile organic compound-contaminated sites in China: Advantages and challenges. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	6.0	11
160	Effects of Rate-Limited Mass Transfer on Modeling Vapor Intrusion with Aerobic Biodegradation. Environmental Science & Technology, 2016, 50, 9400-9406.	10.0	13
161	Assessing the trend in sustainable remediation: A questionnaire survey of remediation professionals in various countries. Journal of Environmental Management, 2016, 184, 18-26.	7.8	36
162	Divergence in stakeholder perception of sustainable remediation. Sustainability Science, 2016, 11, 215-230.	4.9	37

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163	Resilience: A New Consideration for Environmental Remediation in an Era of Climate Change. Remediation, 2015, 26, 57-67.	2.4	15
164	Sustainable site clean-up from megaprojects: lessons from London 2012. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2015, 168, 61-70.	0.7	12
165	Modeling Aerobic Biodegradation in the Capillary Fringe. Environmental Science & Technology, 2015, 49, 1501-1510.	10.0	25
166	Citric acid facilitated thermal treatment: An innovative method for the remediation of mercury contaminated soil. Journal of Hazardous Materials, 2015, 300, 546-552.	12.4	63
167	Comparing the Adoption of Contaminated Land Remediation Technologies in the United States, United Kingdom, and China. Remediation, 2014, 25, 33-51.	2.4	11
168	Sustainability: A new imperative in contaminated land remediation. Environmental Science and Policy, 2014, 39, 25-34.	4.9	222
169	Factor analysis and structural equation modelling of sustainable behaviour in contaminated land remediation. Journal of Cleaner Production, 2014, 84, 439-449.	9.3	95
170	Mercury removal from contaminated soil by thermal treatment with FeCl 3 at reduced temperature. Chemosphere, 2014, 117, 388-393.	8.2	54
171	Modeling the Diffusion of Contaminated Site Remediation Technologies. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	7
172	Assessing effects of site characteristics on remediation secondary life cycle impact with a generalised framework. Journal of Environmental Planning and Management, 2014, 57, 1083-1100.	4.5	37
173	Using a hybrid LCA method to evaluate the sustainability of sediment remediation at the London Olympic Park. Journal of Cleaner Production, 2014, 83, 87-95.	9.3	86
174	The adoption of sustainable remediation behaviour in the US and UK: A cross country comparison and determinant analysis. Science of the Total Environment, 2014, 490, 905-913.	8.0	44
175	Evaluation of Apparent Permeability and Field Assessment of Aged Asphalt Capping Systems. Journal of Environmental Engineering, ASCE, 2013, 139, 167-175.	1.4	1
176	Sustainable Waste and Materials Management: National Policy and Global Perspective. Environmental Science & Technology, 2012, 46, 2494-2495.	10.0	32
177	Shale gas can be a double-edged sword for climate change. Nature Climate Change, 2012, 2, 385-387.	18.8	22
178	Vision 2020: More Needed in Materials Reuse and Recycling to Avoid Land Contamination. Environmental Science & Technology, 2011, 45, 6227-6228.	10.0	10
179	Optimizing the Remedial Process at a Petroleum Hydrocarbon Contaminated Site Using a Three-Tier Approach. Journal of Environmental Engineering, ASCE, 2009, 135, 1171-1180.	1.4	10
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