Deyi Hou

List of Publications by Year in Descending Order

170 papers	8,094 citations	53 h-index	84 g-index
181 ext. papers	11,451 ext. citations	10.4 avg, IF	7.11 L-index

#	Paper	IF	Citations
170	Stoichiometric carbocatalysis via epoxide-like C-S-O configuration on sulfur-doped biochar for environmental remediation.. *Journal of Hazardous Materials*, **2022**, 428, 128223	12.8	2
169	Biochar alters chemical and microbial properties of microplastic-contaminated soil.. *Environmental Research*, **2022**, 112807	7.9	5
168	Bioremediation of hexavalent-chromium contaminated groundwater: Microcosm, column, and microbial diversity studies.. *Chemosphere*, **2022**, 295, 133877	8.4	0
167	Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils.. *Environmental Pollution*, **2022**, 299, 118810	9.3	4
166	Aging features of metal(loid)s in biochar-amended soil: Effects of biochar type and aging method.. *Science of the Total Environment*, **2022**, 152922	10.2	3
165	Multifunctional applications of biochar beyond carbon storage. *International Materials Reviews*, **2022**, 1-51	16.1	58
164	Biochar composites: Emerging trends, field successes and sustainability implications. *Soil Use and Management*, **2022**,	3.1	14
163	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	12.8	13
162	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. *Chemical Engineering Journal*, **2022**, 429, 132292	14.7	6
161	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. *Science of the Total Environment*, **2022**, 806, 150501	10.2	0
160	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	12.8	16
159	Soil plastisphere: Exploration methods, influencing factors, and ecological insights. *Journal of Hazardous Materials*, **2022**, 430, 128503	12.8	0
158	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	10.2	0
157	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement.. *Water Research*, **2022**, 218, 118468	12.5	0
156	On the ideal groundwater sampling window by utilizing transition pumping period. *Journal of Hydrology*, **2022**, 610, 127796	6	
155	Sustainable Remediation in China: Elimination, Immobilization, or Dilution. *Environmental Science & Technology*, **2021**, 55, 15572-15574	10.3	3
154	Sustainability assessment and carbon budget of chemical stabilization based multi-objective remediation of Cd contaminated paddy field. *Science of the Total Environment*, **2021**, 819, 152022	10.2	1

153	Manage the environmental risks of perovskites. *One Earth*, **2021**, 4, 1534-1537	8.1	2
152	Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. *Journal of Hazardous Materials*, **2021**, 425, 127971	12.8	8
151	A review of green remediation strategies for heavy metal contaminated soil. *Soil Use and Management*, **2021**, 37, 936	3.1	29
150	Critical Impact of Nitrogen Vacancies in Nonradical Carbocatalysis on Nitrogen-Doped Graphitic Biochar. *Environmental Science & Technology*, **2021**, 55, 7004-7014	10.3	34
149	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. *Environmental Science & Technology*, **2021**, 55, 6012-6021	10.3	14
148	Comparison of the Hydraulic Fracturing Water Cycle in China and North America: A Critical Review. *Environmental Science & Technology*, **2021**, 55, 7167-7185	10.3	16
147	Biochar Surface Functionality Plays a Vital Role in (Im)Mobilization and Phytoavailability of Soil Vanadium. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 6864-6874	8.3	14
146	A critical review on performance indicators for evaluating soil biota and soil health of biochar-amended soils. *Journal of Hazardous Materials*, **2021**, 414, 125378	12.8	55
145	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	11.1	41
144	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	11.1	6
143	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. *Journal of Hazardous Materials*, **2021**, 401, 123415	12.8	129
142	Performance indicators for a holistic evaluation of catalyst-based degradation-A case study of selected pharmaceuticals and personal care products (PPCPs). *Journal of Hazardous Materials*, **2021**, 402, 123460	12.8	17
141	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	10.2	36
140	Machine learning for the selection of carbon-based materials for tetracycline and sulfamethoxazole adsorption. *Chemical Engineering Journal*, **2021**, 406, 126782	14.7	44
139	VIRS based detection in combination with machine learning for mapping soil pollution. *Environmental Pollution*, **2021**, 268, 115845	9.3	10
138	Design and fabrication of exfoliated Mg/Al layered double hydroxides on biochar support. *Journal of Cleaner Production*, **2021**, 289, 125142	10.3	25
137	Possible application of stable isotope compositions for the identification of metal sources in soil. *Journal of Hazardous Materials*, **2021**, 407, 124812	12.8	24
136	Mapping soil pollution by using drone image recognition and machine learning at an arsenic-contaminated agricultural field. *Environmental Pollution*, **2021**, 270, 116281	9.3	22

135	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	12.8	59
134	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	5.4	1
133	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. *Environmental Science & Technology*, **2021**, 55, 12032-12042	10.3	12
132	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	12.8	12
131	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. *Journal of Hazardous Materials*, **2021**, 419, 126413	12.8	11
130	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	12.8	11
129	(Im)mobilization of arsenic, chromium, and nickel in soils via biochar: A meta-analysis. *Environmental Pollution*, **2021**, 286, 117199	9.3	12
128	Roles of biochar-derived dissolved organic matter in soil amendment and environmental remediation: A critical review. *Chemical Engineering Journal*, **2021**, 424, 130387	14.7	65
127	Unraveling iron speciation on Fe-biochar with distinct arsenic removal mechanisms and depth distributions of As and Fe. *Chemical Engineering Journal*, **2021**, 425, 131489	14.7	14
126	Green and sustainable remediation: past, present, and future developments **2020**, 19-42		2
125	Remedial process optimization and sustainability benefits **2020**, 279-300		
124	Optimizing extraction procedures for better removal of potentially toxic elements during EDTA-assisted soil washing. *Journal of Soils and Sediments*, **2020**, 20, 3417-3426	3.4	5
123	Sustainable soil use and management: An interdisciplinary and systematic approach. *Science of the Total Environment*, **2020**, 729, 138961	10.2	64
122	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. *Advanced Sustainable Systems*, **2020**, 4, 1900149	5.9	44
121	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 6990-7001	8.3	31
120	Metal contamination and bioremediation of agricultural soils for food safety and sustainability. *Nature Reviews Earth & Environment*, **2020**, 1, 366-381	30.2	171
119	A numerical model to optimize LNAPL remediation by multi-phase extraction. *Science of the Total Environment*, **2020**, 718, 137309	10.2	7
118	Biochar as green additives in cement-based composites with carbon dioxide curing. *Journal of Cleaner Production*, **2020**, 258, 120678	10.3	93

117	Quantitative source tracking of heavy metals contained in urban road deposited sediments. *Journal of Hazardous Materials*, **2020**, 393, 122362	12.8	35
116	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	10.2	54
115	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	7.9	31
114	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	14.7	16
113	The development of groundwater research in the past 40 years: A burgeoning trend in groundwater depletion and sustainable management. *Journal of Hydrology*, **2020**, 587, 125006	6	16
112	Sulfur-modified biochar as a soil amendment to stabilize mercury pollution: An accelerated simulation of long-term aging effects. *Environmental Pollution*, **2020**, 264, 114687	9.3	41
111	Green and sustainable remediation: concepts, principles, and pertaining research **2020**, 1-17		3
110	Sustainability assessment for remediation decision-making **2020**, 43-73		2
109	Sustainable remediation with an electroactive biochar system: mechanisms and perspectives. *Green Chemistry*, **2020**, 22, 2688-2711	10	64
108	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. *Environment International*, **2020**, 134, 105281	12.9	123
107	Blood lead levels among Chinese children: The shifting influence of industry, traffic, and e-waste over three decades. *Environment International*, **2020**, 135, 105379	12.9	26
106	Biochar induced modification of graphene oxide & nZVI and its impact on immobilization of toxic copper in soil. *Environmental Pollution*, **2020**, 259, 113851	9.3	31
105	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	11.1	42
104	Synergistic construction of green tea biochar supported nZVI for immobilization of lead in soil: A mechanistic investigation. *Environment International*, **2020**, 135, 105374	12.9	35
103	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. *Environment International*, **2020**, 134, 105046	12.9	352
102	Influence of groundwater table fluctuation on the non-equilibrium transport of volatile organic contaminants in the vadose zone. *Journal of Hydrology*, **2020**, 580, 124353	6	23
101	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	10.2	5
100	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	12.8	49

99	Exogenous phosphorus treatment facilitates chelation-mediated cadmium detoxification in perennial ryegrass (Lolium perenne L.). *Journal of Hazardous Materials*, **2020**, 389, 121849	12.8	39
98	Green synthesis of graphitic nanobiochar for the removal of emerging contaminants in aqueous media. *Science of the Total Environment*, **2020**, 706, 135725	10.2	33
97	Nature-Inspired and Sustainable Synthesis of Sulfur-Bearing Fe-Rich Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 15791-15808	8.3	4
96	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	10.3	32
95	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	4.3	14
94	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	12.9	22
93	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. *Environmental Science & Technology*, **2020**, 54, 14797-14814	10.3	92
92	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	11.1	67
91	A green biochar/iron oxide composite for methylene blue removal. *Journal of Hazardous Materials*, **2020**, 384, 121286	12.8	165
90	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. *Journal of Hazardous Materials*, **2020**, 383, 121125	12.8	77
89	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	3.1	100
88	The use of biochar for sustainable treatment of contaminated soils **2020**, 119-167		3
87	Heavy metal dissolution mechanisms from electrical industrial sludge. *Science of the Total Environment*, **2019**, 696, 133922	10.2	7
86	Soil pollution - speed up global mapping. *Nature*, **2019**, 566, 455	50.4	20
85	Solidification/Stabilization for Soil Remediation: An Old Technology with New Vitality. *Environmental Science & Technology*, **2019**, 53, 11615-11617	10.3	72
84	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	12.9	157
83	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	11.1	61
82	Nature based solutions for contaminated land remediation and brownfield redevelopment in cities: A review. *Science of the Total Environment*, **2019**, 663, 568-579	10.2	113

81	The roles of biochar as green admixture for sediment-based construction products. *Cement and Concrete Composites*, **2019**, 104, 103348	8.6	101
80	Risk evaluation of biochars produced from Cd-contaminated rice straw and optimization of its production for Cd removal. *Chemosphere*, **2019**, 233, 149-156	8.4	34
79	Proof-of-Concept Modeling of a New Groundwater Sampling Approach. *Water Resources Research*, **2019**, 55, 5135	5.4	4
78	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	12.8	114
77	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	10.2	9
76	Strengthening social-environmental management at contaminated sites to bolster Green and Sustainable Remediation via a survey. *Chemosphere*, **2019**, 225, 295-303	8.4	9
75	Mercury speciation, transformation, and transportation in soils, atmospheric flux, and implications for risk management: A critical review. *Environment International*, **2019**, 126, 747-761	12.9	149
74	Microplastics undergo accelerated vertical migration in sand soil due to small size and wet-dry cycles. *Environmental Pollution*, **2019**, 249, 527-534	9.3	127
73	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. *Science of the Total Environment*, **2019**, 672, 551-562	10.2	77
72	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	10.3	86
71	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	12.8	18
70	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	15
69	Temporal effect of MgO reactivity on the stabilization of lead contaminated soil. *Environment International*, **2019**, 131, 104990	12.9	31
68	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	4.2	8
67	Trade war threatens sustainability. *Science*, **2019**, 364, 1242-1243	33.3	4
66	Phytoremediation: Climate change resilience and sustainability assessment at a coastal brownfield redevelopment. *Environment International*, **2019**, 130, 104945	12.9	29
65	Removal of lead by rice husk biochars produced at different temperatures and implications for their environmental utilizations. *Chemosphere*, **2019**, 235, 825-831	8.4	54
64	More haste, less speed in replenishing China's groundwater. *Nature*, **2019**, 569, 487	50.4	7

63	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. *Environment International*, **2019**, 126, 336-345	12.9	175
62	High stress low-flow (HSLF) sampling: A newly proposed groundwater purge and sampling approach. *Science of the Total Environment*, **2019**, 664, 127-132	10.2	5
61	Degradation of antibiotics by modified vacuum-UV based processes: Mechanistic consequences of HO and KSO in the presence of halide ions. *Science of the Total Environment*, **2019**, 664, 312-321	10.2	75
60	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	9.3	66
59	Spatial distribution of lead contamination in soil and equipment dust at children's playgrounds in Beijing, China. *Environmental Pollution*, **2019**, 245, 363-370	9.3	50
58	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. *Journal of Hazardous Materials*, **2019**, 365, 695-706	12.8	110
57	Effect of production temperature on lead removal mechanisms by rice straw biochars. *Science of the Total Environment*, **2019**, 655, 751-758	10.2	148
56	Efficacy and limitations of low-cost adsorbents for in-situ stabilisation of contaminated marine sediment. *Journal of Cleaner Production*, **2019**, 212, 420-427	10.3	16
55	Synthesis of MgO-coated corncob biochar and its application in lead stabilization in a soil washing residue. *Environment International*, **2019**, 122, 357-362	12.9	111
54	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	9.3	18
53	An emerging market for groundwater remediation in China: Policies, statistics, and future outlook. *Frontiers of Environmental Science and Engineering*, **2018**, 12, 1	5.8	33
52	Green and Sustainable Remediation Movement in the New Millennium and Its Relevance to China **2018**, 39-53		1
51	Targeting cleanups towards a more sustainable future. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 266-269	4.3	18
50	Sulfur-modified rice husk biochar: A green method for the remediation of mercury contaminated soil. *Science of the Total Environment*, **2018**, 621, 819-826	10.2	145
49	Examining the impacts of urban form on air pollutant emissions: Evidence from China. *Journal of Environmental Management*, **2018**, 212, 405-414	7.9	45
48	Climate change mitigation potential of contaminated land redevelopment: A city-level assessment method. *Journal of Cleaner Production*, **2018**, 171, 1396-1406	10.3	37
47	Mechanisms of biochar assisted immobilization of Pb by bioapatite in aqueous solution. *Chemosphere*, **2018**, 190, 260-266	8.4	46
46	The potential value of biochar in the mitigation of gaseous emission of nitrogen. *Science of the Total Environment*, **2018**, 612, 257-268	10.2	49

45	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. *Chemical Engineering Journal*, **2018**, 351, 418-427	14.7	128
44	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	10.2	39
43	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. *Journal of Cleaner Production*, **2018**, 199, 69-76	10.3	67
42	Sustainable in situ remediation of recalcitrant organic pollutants in groundwater with controlled release materials: A review. *Journal of Controlled Release*, **2018**, 283, 200-213	11.7	115
41	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	10.2	310
40	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	10.2	75
39	Effect of pyrolysis temperature, heating rate, and residence time on rapeseed stem derived biochar. *Journal of Cleaner Production*, **2018**, 174, 977-987	10.3	316
38	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	10.2	83
37	Resilient remediation: Addressing extreme weather and climate change, creating community value **2018**, 29, 7-18		16
36	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	12.9	92
35	Lead-based paint in children's toys sold on China's major online shopping platforms. *Environmental Pollution*, **2018**, 241, 311-318	9.3	30
34	Application of surface complexation modeling to trace metals uptake by biochar-amended agricultural soils. *Applied Geochemistry*, **2018**, 88, 103-112	3.5	24
33	Farmers' perceptions and adaptation behaviours concerning land degradation: A theoretical framework and a case-study in the Qinghai□Tibetan Plateau of China. *Land Degradation and Development*, **2018**, 29, 2460-2471	4.4	16
32	Greener and size-specific synthesis of stable Fe-Cu oxides as earth-abundant adsorbents for malachite green. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9229-9236	8.3	63
31	A Sustainability Assessment Framework for Agricultural Land Remediation in China. *Land Degradation and Development*, **2018**, 29, 1005-1018	4.4	69
30	Incorporating life cycle assessment with health risk assessment to select the □greenest□ cleanup level for Pb contaminated soil. *Journal of Cleaner Production*, **2017**, 162, 1157-1168	10.3	62
29	Complexities Surrounding China's Soil Action Plan. *Land Degradation and Development*, **2017**, 28, 2315-2320	4.4	102
28	Integrated GIS and multivariate statistical analysis for regional scale assessment of heavy metal soil contamination: A critical review. *Environmental Pollution*, **2017**, 231, 1188-1200	9.3	234

27	Optimization of groundwater sampling approach under various hydrogeological conditions using a numerical simulation model. *Journal of Hydrology*, **2017**, 552, 505-515	6	14
26	High efficiency removal of methylene blue using SDS surface-modified ZnFeO nanoparticles. *Journal of Colloid and Interface Science*, **2017**, 508, 39-48	9.3	80
25	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	6.4	1
24	Assessing the trend in sustainable remediation: A questionnaire survey of remediation professionals in various countries. *Journal of Environmental Management*, **2016**, 184, 18-26	7.9	25
23	Divergence in stakeholder perception of sustainable remediation. *Sustainability Science*, **2016**, 11, 215-230	3.4	26
22	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	10.3	53
21	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	5.8	9
20	Effects of Rate-Limited Mass Transfer on Modeling Vapor Intrusion with Aerobic Biodegradation. *Environmental Science & Technology*, **2016**, 50, 9400-6	10.3	11
19	Citric acid facilitated thermal treatment: An innovative method for the remediation of mercury contaminated soil. *Journal of Hazardous Materials*, **2015**, 300, 546-552	12.8	47
18	Resilience: A New Consideration for Environmental Remediation in an Era of Climate Change **2015**, 26, 57-67		13
17	Sustainable site clean-up from megaprojects: lessons from London 2012. *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*, **2015**, 168, 61-70	0.9	8
16	Modeling aerobic biodegradation in the capillary fringe. *Environmental Science & Technology*, **2015**, 49, 1501-10	10.3	21
15	Sustainability: A new imperative in contaminated land remediation. *Environmental Science and Policy*, **2014**, 39, 25-34	6.2	176
14	Factor analysis and structural equation modelling of sustainable behaviour in contaminated land remediation. *Journal of Cleaner Production*, **2014**, 84, 439-449	10.3	73
13	Mercury removal from contaminated soil by thermal treatment with FeCl□ at reduced temperature. *Chemosphere*, **2014**, 117, 388-93	8.4	35
12	Modeling the Diffusion of Contaminated Site Remediation Technologies. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	5
11	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	2.8	26
10	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	10.3	64

9	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, 905-13	10.2	34
8	Comparing the Adoption of Contaminated Land Remediation Technologies in the United States, United Kingdom, and China **2014**, 25, 33-51		9
7	Evaluation of Apparent Permeability and Field Assessment of Aged Asphalt Capping Systems. *Journal of Environmental Engineering, ASCE*, **2013**, 139, 167-175	2	1
6	Sustainable waste and materials management: national policy and global perspective. *Environmental Science & Technology*, **2012**, 46, 2494-5	10.3	30
5	Vision 2020: more needed in materials reuse and recycling to avoid land contamination. *Environmental Science & Technology*, **2011**, 45, 6227-8	10.3	10
4	Optimizing the Remedial Process at a Petroleum Hydrocarbon Contaminated Site Using a Three-Tier Approach. *Journal of Environmental Engineering, ASCE*, **2009**, 135, 1171-1180	2	9
3	Enterococci predictions from partial least squares regression models in conjunction with a single-sample standard improve the efficacy of beach management advisories. *Environmental Science & Technology*, **2006**, 40, 1737-43	10.3	48
2	Expediting climate-smart soils management. *Soil Use and Management*,	3.1	2
1	Nowcasting Recreational Water Quality179-210		10