

Chunjiang An

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137
papers

2,698
citations

32
h-index

46
g-index

147
ext. papers

3,590
ext. citations

8.1
avg, IF

5.99
L-index

#	Paper	IF	Citations
137	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. <i>Science of the Total Environment</i> , 2017 , 579, 537-556	10.2	211
136	Effect of short-chain organic acids on the enhanced desorption of phenanthrene by rhamnolipid biosurfactant in soil-water environment. <i>Water Research</i> , 2011 , 45, 5501-10	12.5	100
135	Combined effects of DOM extracted from site soil/compost and biosurfactant on the sorption and desorption of PAHs in a soil-water system. <i>Journal of Hazardous Materials</i> , 2011 , 190, 883-90	12.8	83
134	Removal of sulfonated humic acid from aqueous phase by modified coal fly ash waste: Equilibrium and kinetic adsorption studies. <i>Fuel</i> , 2016 , 165, 264-271	7.1	76
133	Removal of Tetrabromobisphenol A by adsorption on pinecone-derived activated charcoals: Synchrotron FTIR, kinetics and surface functionality analyses. <i>Bioresource Technology</i> , 2018 , 247, 812-820 ¹¹	11	75
132	Disposable masks release microplastics to the aqueous environment with exacerbation by natural weathering. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126036	12.8	74
131	Emerging N-nitrosamines and N-nitramines from amine-based post-combustion CO ₂ capture [A review]. <i>Chemical Engineering Journal</i> , 2018 , 335, 921-935	14.7	69
130	Removal of Tannin from Aqueous Solution by Adsorption onto Treated Coal Fly Ash: Kinetic, Equilibrium, and Thermodynamic Studies. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15923-15931	13.9	65
129	Effect of short-chain organic acids and pH on the behaviors of pyrene in soil-water system. <i>Chemosphere</i> , 2010 , 81, 1423-9	8.4	64
128	Performance of in-vessel composting of food waste in the presence of coal ash and uric acid. <i>Journal of Hazardous Materials</i> , 2012 , 203-204, 38-45	12.8	63
127	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109494	16.2	63
126	Adsorption of anionic azo dyes from aqueous solution on cationic gemini surfactant-modified flax shives: Synchrotron infrared, optimization and modeling studies. <i>Journal of Cleaner Production</i> , 2018 , 172, 1986-1997	10.3	60
125	Treatment of rural domestic wastewater using multi-soil-layering systems: Performance evaluation, factorial analysis and numerical modeling. <i>Science of the Total Environment</i> , 2018 , 644, 536-546	10.2	54
124	Plasma-induced PAA-ZnO coated PVDF membrane for oily wastewater treatment: Preparation, optimization, and characterization through Taguchi OA design and synchrotron-based X-ray analysis. <i>Journal of Membrane Science</i> , 2019 , 582, 70-82	9.6	49
123	Performance of ceramic disk filter coated with nano ZnO for removing Escherichia coli from water in small rural and remote communities of developing regions. <i>Environmental Pollution</i> , 2018 , 238, 52-62	9.3	48
122	Assessing the impact of COVID-19 pandemic on urban transportation and air quality in Canada. <i>Science of the Total Environment</i> , 2021 , 765, 144270	10.2	46
121	Insights into the Toxicity of Triclosan to Green Microalga Chlorococcum sp. Using Synchrotron-Based Fourier Transform Infrared Spectromicroscopy: Biophysiological Analyses and Roles of Environmental Factors. <i>Environmental Science & Technology</i> , 2018 , 52, 2295-2306	10.3	45

120	Efficiency of single and mixed Gemini/conventional micelles on solubilization of phenanthrene. <i>Chemical Engineering Journal</i> , 2011 , 168, 201-207	14.7	44
119	An integrated gravity-driven ecological bed for wastewater treatment in subtropical regions: Process design, performance analysis, and greenhouse gas emissions assessment. <i>Journal of Cleaner Production</i> , 2019 , 212, 1143-1153	10.3	43
118	Molecular toxicity of triclosan and carbamazepine to green algae <i>Chlorococum</i> sp.: A single cell view using synchrotron-based Fourier transform infrared spectromicroscopy. <i>Environmental Pollution</i> , 2017 , 226, 12-20	9.3	42
117	Transport of anionic azo dyes from aqueous solution to gemini surfactant-modified wheat bran: Synchrotron infrared, molecular interaction and adsorption studies. <i>Science of the Total Environment</i> , 2017 , 595, 723-732	10.2	41
116	Stepwise adsorption of phenanthrene at the fly ash-water interface as affected by solution chemistry: experimental and modeling studies. <i>Environmental Science & Technology</i> , 2012 , 46, 12742-50	10.3	39
115	Plasma-induced poly(acrylic acid)-TiO ₂ coated polyvinylidene fluoride membrane for produced water treatment: Synchrotron X-Ray, optimization, and insight studies. <i>Journal of Cleaner Production</i> , 2019 , 227, 772-783	10.3	38
114	Transport behaviors of anionic azo dyes at interface between surfactant-modified flax shives and aqueous solution: Synchrotron infrared and adsorption studies. <i>Applied Surface Science</i> , 2017 , 405, 119-128	6.7	37
113	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. <i>Environmental Science & Technology</i> , 2019 , 53, 2189-2198	10.3	37
112	Reduction of <i>Escherichia Coli</i> using ceramic disk filter decorated by nano-TiO: A low-cost solution for household water purification. <i>Science of the Total Environment</i> , 2018 , 616-617, 1628-1637	10.2	36
111	Investigation on the solubilization of polycyclic aromatic hydrocarbons in the presence of single and mixed Gemini surfactants. <i>Journal of Hazardous Materials</i> , 2011 , 190, 840-7	12.8	36
110	Immobilization of tetrabromobisphenol A by pinecone-derived biochars at solid-liquid interface: Synchrotron-assisted analysis and role of inorganic fertilizer ions. <i>Chemical Engineering Journal</i> , 2017 , 321, 346-357	14.7	35
109	Kinetic and equilibrium studies on the adsorption of calcium lignosulfonate from aqueous solution by coal fly ash. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 275-282	14.7	35
108	Multi-objective ecological reservoir operation based on water quality response models and improved genetic algorithm: A case study in Three Gorges Reservoir, China. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 36, 332-346	7.2	33
107	Interactive Toxicity of Triclosan and Nano-TiO to Green Alga in Lake Erie: A New Perspective Based on Fourier Transform Infrared Spectromicroscopy and Synchrotron-Based X-ray Fluorescence Imaging. <i>Environmental Science & Technology</i> , 2019 , 53, 9884-9894	10.3	32
106	Enhancement of soil retention for phenanthrene in binary cationic gemini and nonionic surfactant mixtures: characterizing two-step adsorption and partition processes through experimental and modeling approaches. <i>Journal of Hazardous Materials</i> , 2015 , 286, 144-51	12.8	32
105	Enhanced aqueous solubility of naphthalene and pyrene by binary and ternary Gemini cationic and conventional nonionic surfactants. <i>Chemosphere</i> , 2012 , 89, 1347-53	8.4	31
104	Performance of mesophilic anaerobic granules for removal of octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010 , 179, 526-32	12.8	30
103	Enhanced nitrogen removal in the treatment of rural domestic sewage using vertical-flow multi-soil-layering systems: Experimental and modeling insights. <i>Journal of Environmental Management</i> , 2019 , 240, 273-284	7.9	28

102	A robust flexible-probabilistic programming method for planning municipal energy system with considering peak-electricity price and electric vehicle. <i>Energy Conversion and Management</i> , 2017 , 137, 97-112	10.6	27
101	Use of surface-washing agents for the treatment of oiled shorelines: Research advancements, technical applications and future challenges. <i>Chemical Engineering Journal</i> , 2020 , 391, 123565	14.7	23
100	Can deep tillage enhance carbon sequestration in soils? A meta-analysis towards GHG mitigation and sustainable agricultural management. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 133, 110293	16.2	22
99	Investigation into the oil removal from sand using a surface washing agent under different environmental conditions. <i>Journal of Environmental Management</i> , 2020 , 275, 111232	7.9	22
98	Exploring the use of cellulose nanocrystal as surface-washing agent for oiled shoreline cleanup. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123464	12.8	22
97	Exploring the decentralized treatment of sulfamethoxazole-contained poultry wastewater through vertical-flow multi-soil-layering systems in rural communities. <i>Water Research</i> , 2021 , 188, 116480	12.5	22
96	A biophysiological perspective on enhanced nitrate removal from decentralized domestic sewage using gravitational-flow multi-soil-layering systems. <i>Chemosphere</i> , 2020 , 240, 124868	8.4	21
95	Assessment of regional greenhouse gas emission from beef cattle production: A case study of Saskatchewan in Canada. <i>Journal of Environmental Management</i> , 2020 , 264, 110443	7.9	20
94	A Review on the Factors Affecting the Deposition, Retention, and Biodegradation of Oil Stranded on Beaches and Guidelines for Designing Laboratory Experiments. <i>Current Pollution Reports</i> , 2019 , 5, 407-423	7.6	19
93	An integrated multi-level watershed-reservoir modeling system for examining hydrological and biogeochemical processes in small prairie watersheds. <i>Water Research</i> , 2012 , 46, 1207-24	12.5	18
92	Removal of Escherichia Coli from water using functionalized porous ceramic disk filter coated with Fe/TiO ₂ nano-composites. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101013	6.7	18
91	Biophysiological and factorial analyses in the treatment of rural domestic wastewater using multi-soil-layering systems. <i>Journal of Environmental Management</i> , 2018 , 226, 83-94	7.9	17
90	Numerical Study of Solute Transport in Heterogeneous Beach Aquifers Subjected to Tides. <i>Water Resources Research</i> , 2020 , 56, e2019WR026430	5.4	16
89	Planning of integrated energy-environment systems under dual interval uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 100, 287-298	5.1	16
88	Effect of different buffer agents on in-vessel composting of food waste: performance analysis and comparative study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013 , 48, 772-80	2.3	16
87	Factors influencing the fate of oil spilled on shorelines: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1611-1628	13.3	16
86	Removal of Sulfonated Humic Acid through a Hybrid Electrocoagulation-Ultrafiltration Process. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5793-5801	3.9	14
85	Solubilization of mixed polycyclic aromatic hydrocarbons through a rhamnolipid biosurfactant. <i>Journal of Environmental Quality</i> , 2011 , 40, 477-83	3.4	14

84	Exploring the use of ceramic disk filter coated with Ag/ZnO nanocomposites as an innovative approach for removing Escherichia coli from household drinking water. <i>Chemosphere</i> , 2020 , 245, 125545	8.4	14
83	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020 , 181, 115952	12.5	13
82	Use of biomass-derived adsorbents for the removal of petroleum pollutants from water: a mini-review. <i>Environmental Systems Research</i> , 2021 , 10, 25	4.3	13
81	A Multi-Objective Hierarchical Model for Irrigation Scheduling in the Complex Canal System. <i>Sustainability</i> , 2019 , 11, 24	3.6	12
80	Phenanthrene Sorption on Palygorskite Modified with Gemini Surfactants: Insights from Modeling Studies and Effects of Aqueous Solution Chemistry. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	12
79	Applications of inexact programming methods to waste management under uncertainty: current status and future directions. <i>Environmental Systems Research</i> , 2014 , 3,	4.3	12
78	Use of Nano-TiO ₂ self-assembled flax fiber as a new initiative for immiscible oil/water separation. <i>Journal of Cleaner Production</i> , 2020 , 249, 119352	10.3	12
77	The impact of successive COVID-19 lockdowns on people mobility, lockdown efficiency, and municipal solid waste. <i>Environmental Chemistry Letters</i> , 2021 , 1-7	13.3	12
76	Low-cost microbiological purification using a new ceramic disk filter functionalized by chitosan/TiO ₂ nanocomposites. <i>Separation and Purification Technology</i> , 2020 , 248, 116984	8.3	11
75	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019 , 222, 742-756	8.4	11
74	Removal of arsenic from water through ceramic filter modified by nano-CeO: A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021 , 750, 141510	10.2	11
73	Investigation into the influencing factors and adsorption characteristics in the removal of sulfonamide antibiotics by carbonaceous materials. <i>Journal of Cleaner Production</i> , 2021 , 319, 128692	10.3	11
72	A framework for the evaluation and selection of shoreline surface washing agents in oil spill response. <i>Journal of Environmental Management</i> , 2021 , 287, 112346	7.9	10
71	Exploration of nanocellulose washing agent for the green remediation of phenanthrene-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123861	12.8	10
70	Recent advances in developing cellulosic sorbent materials for oil spill cleanup: A state-of-the-art review. <i>Journal of Cleaner Production</i> , 2021 , 311, 127630	10.3	10
69	Immobilization of phenanthrene onto gemini surfactant modified sepiolite at solid/aqueous interface: Equilibrium, thermodynamic and kinetic studies. <i>Science of the Total Environment</i> , 2017 , 598, 619-627	10.2	9
68	A Sustainable Industry-Environment Model for the Identification of Urban Environmental Risk to Confront Air Pollution in Beijing, China. <i>Sustainability</i> , 2018 , 10, 962	3.6	9
67	Effects of freeze-thawing cycles on desorption behaviors of PAH-contaminated soil in the presence of a biosurfactant: a case study in western Canada. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 874-882	4.3	8

66	Assessment of Soil and Water Conservation Practices in the Loess Hilly Region Using a Coupled Rainfall-Runoff-Erosion Model. <i>Sustainability</i> , 2020 , 12, 934	3.6	8
65	Characterization of Pore Water Flow in 3-D Heterogeneous Permeability Fields. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086879	4.9	8
64	Analyzing the Biochemical Alteration of Green Algae During Chronic Exposure to Triclosan Based on Synchrotron-Based Fourier Transform Infrared Spectromicroscopy. <i>Analytical Chemistry</i> , 2019 , 91, 7798-7806	7.8	7
63	Exploring the biophysicochemical alteration of green alga <i>Asterococcus superbis</i> interactively affected by nanoparticles, triclosan and illumination. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122855	12.8	7
62	Performance analysis and life cycle greenhouse gas emission assessment of an integrated gravitational-flow wastewater treatment system for rural areas. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 25883-25897	5.1	7
61	Allelopathy Inhibitory Effects of <i>Hydrodictyon reticulatum</i> on <i>Chlorella pyrenoidosa</i> under Co-Culture and Liquor-Cultured Conditions. <i>Water (Switzerland)</i> , 2017 , 9, 416	3	7
60	Adsorption behaviours of sulfonated humic acid at fly ash-water interface: Investigation of equilibrium and kinetic characteristics. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 2043-2050	2.3	7
59	Degradation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) by anaerobic mesophilic granular sludge from a UASB reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 831-838	3.5	7
58	Formation of oil-particle aggregates: Impacts of mixing energy and duration. <i>Science of the Total Environment</i> , 2021 , 795, 148781	10.2	7
57	Investigation into the impact of aged microplastics on oil behavior in shoreline environments. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126711	12.8	7
56	Superwetting polyethersulfone membrane functionalized with ZrO ₂ nanoparticles for polycyclic aromatic hydrocarbon removal. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 14-25	9.1	7
55	Effect of Different Carbon Substrates on the Removal of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) and Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX) by Anaerobic Mesophilic Granular Sludge. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	6
54	Sorption of Phenanthrene onto Diatomite under the Influences of Solution Chemistry: A Study of Linear Sorption based on Maximal Information Coefficient. <i>Journal of Environmental Informatics</i> ,	3	6
53	Hypersaline Pore Water in Gulf of Mexico Beaches Prevented Efficient Biodegradation of Deepwater Horizon Beached Oil. <i>Environmental Science & Technology</i> , 2021 , 55, 13792-13801	10.3	6
52	Biomass supply chain coordination for remote communities: A game-theoretic modeling and analysis approach. <i>Sustainable Cities and Society</i> , 2021 , 69, 102819	10.1	6
51	Spatial distribution, source identification, and risk assessment of heavy metals in the soils from a mining region: a case study of Bayan Obo in northwestern China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021 , 27, 1276-1295	4.9	6
50	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2400-2414	5.1	6
49	Inexact inventory-theory-based optimization of oily waste management system in shoreline spill response. <i>Science of the Total Environment</i> , 2021 , 777, 146078	10.2	6

48	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131987	14.7	6
47	Removal of copper, zinc and cadmium ions through adsorption on water-quenched blast furnace slag. <i>Desalination and Water Treatment</i> , 2016 , 57, 22493-22506		5
46	Multi-Soil-Layering Systems for Wastewater Treatment in Small and Remote Communities. <i>Journal of Environmental Informatics</i> ,	3	5
45	A green initiative for oiled sand cleanup using chitosan/rhamnolipid complex dispersion with pH-stimulus response. <i>Chemosphere</i> , 2021 , 132628	8.4	5
44	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze-thawing conditions: insights into surface functionalization, coverage processes and binding affinity. <i>Environmental Science: Nano</i> , 2020 , 7, 472-485	7.1	5
43	An inexact two-stage multi-objective waste management planning model under considerations of subsidies and uncertainties: A case study of Baotou, China. <i>Journal of Cleaner Production</i> , 2021 , 298, 126873	10.3	5
42	Will the Chemical Contaminants in Agricultural Soil Affect the Ecotoxicity of Microplastics?. <i>ACS Agricultural Science and Technology</i> , 2021 , 1, 3-4		5
41	Influence of uric acid amendment on the in-vessel process of composting composite food waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1558-1566	3.5	4
40	Treatment of oiled beach sand using a green and responsive washing fluid with nonionic surfactant-modified nanoclay. <i>Journal of Cleaner Production</i> , 2022 , 333, 130122	10.3	4
39	Environmental Behavior and Effects of Pollutants in Water. <i>Journal of Chemistry</i> , 2020 , 2020, 1-2	2.3	4
38	Decision support tools for oil spill response (OSR-DSTs): Approaches, challenges, and future research perspectives. <i>Marine Pollution Bulletin</i> , 2021 , 167, 112313	6.7	4
37	Planning Water Resources in an Agroforest Ecosystem for Improvement of Regional Ecological Function Under Uncertainties. <i>Water (Switzerland)</i> , 2018 , 10, 415	3	4
36	Spatiotemporal analysis of land use pattern and stream water quality in southern Alberta, Canada. <i>Journal of Contaminant Hydrology</i> , 2021 , 242, 103852	3.9	4
35	Assessing the coastal sensitivity to oil spills from the perspective of ecosystem services: A case study for Canada's pacific coast. <i>Journal of Environmental Management</i> , 2021 , 296, 113240	7.9	4
34	A scientometric analysis and review of biogenic volatile organic compound emissions: Research hotspots, new frontiers, and environmental implications. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 149, 111317	16.2	4
33	Physicochemical change and microparticle release from disposable gloves in the aqueous environment impacted by accelerated weathering.. <i>Science of the Total Environment</i> , 2022 , 832, 154986	10.2	4
32	Biotransformation of RDX and HMX by Anaerobic Granular Sludge with Enriched Sulfate and Nitrate. <i>Water Environment Research</i> , 2017 , 89, 472-479	2.8	3
31	Transport of reactive X-3B dye at the interface between cationic surfactant-modified water-quenched blast furnace slag and aqueous solution. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 1240-1249	2.3	3

30	Prevention of stack corrosion under wet flue gas desulfurization conditions in a coal-fired power plant: performance analysis and comparative study. <i>Environmental Systems Research</i> , 2016 , 5,	4.3	3
29	Influence of Short-Chain Aliphatic Acids on the Phenanthrene Desorption and Mobilization from Contaminated Soil. <i>Soil and Sediment Contamination</i> , 2012 , 21, 192-206	3.2	3
28	Green biomass-derived materials for oil spill response: recent advancements and future perspectives. <i>Current Opinion in Chemical Engineering</i> , 2022 , 36, 100767	5.4	3
27	Dispersion modeling of particulate matter from the in-situ burning of spilled oil in the northwest Arctic area of Canada. <i>Journal of Environmental Management</i> , 2022 , 301, 113913	7.9	3
26	Rural Sustainable Environmental Management. <i>Sustainability</i> , 2020 , 12, 6688	3.6	3
25	Assessment of regional greenhouse gas emissions from spring wheat cropping system: A case study of Saskatchewan in Canada. <i>Journal of Cleaner Production</i> , 2021 , 301, 126917	10.3	3
24	Exploring the effects of microalgal biomass on the oil behavior in a sand-water system. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 32985	5.1	3
23	Exploring the use of alginate hydrogel coating as a new initiative for emergent shoreline oiling prevention. <i>Science of the Total Environment</i> , 2021 , 797, 149234	10.2	3
22	High Pressure Injection of Chemicals in a Gravel Beach. <i>Processes</i> , 2019 , 7, 525	2.9	2
21	Spatial distribution of non-point source nitrogen in urban area of Beijing City, China. <i>Environmental Systems Research</i> , 2013 , 2, 12	4.3	2
20	Nanocellulose enhances the dispersion and toxicity of ZnO NPs to green algae <i>Eremosphaera viridis</i> . <i>Environmental Science: Nano</i> ,	7.1	2
19	Handling of Amine-Based Wastewater Produced During Carbon Capture. <i>Journal of Environmental Informatics Letters</i> ,	1.8	2
18	Modeling oil biodegradation and bioremediation within beaches. <i>Current Opinion in Chemical Engineering</i> , 2022 , 35, 100751	5.4	2
17	Life cycle-based water footprint analysis of ceramic filter for point-of-use water purification in remote areas. <i>Science of the Total Environment</i> , 2021 , 786, 147424	10.2	2
16	Analysis of input set characteristics and variances on k-fold cross validation for a Recurrent Neural Network model on waste disposal rate estimation.. <i>Journal of Environmental Management</i> , 2022 , 311, 114869	7.9	2
15	Cleanup of oiled shorelines using a dual responsive nanoclay/sodium alginate surface washing agent.. <i>Environmental Research</i> , 2021 , 205, 112531	7.9	1
14	Long-term effects of TBBPA-contaminated pyrogenic organic matter under abiotic aging: insights on immobilization capacity, surface functionality correlation, and phytotoxicity to <i>Thinopyrum ponticum</i> . <i>Environmental Science: Nano</i> , 2021 , 8, 1896-1909	7.1	1
13	Construction, renovation, and demolition waste in landfill: a review of waste characteristics, environmental impacts, and mitigation measures.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1

12	Buoyant oleophilic magnetic activated carbon nanoparticles for oil spill cleanup 2022 , 100028		1
11	Environmental Impacts and Challenges Associated with Oil Spills on Shorelines. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 762	2.4	1
10	Assessment of reductions in NO ₂ emissions from thermal power plants in Canada based on the analysis of policy, inventory, and satellite data. <i>Journal of Cleaner Production</i> , 2022 , 341, 130859	10.3	0
9	Treatment of decentralized low-Strength livestock wastewater using microcurrent-assisted multi-soil-layering systems: Performance Assessment and microbial analysis.. <i>Chemosphere</i> , 2022 , 133536	8.4	0
8	Assessing the regional biogenic methanol emission from spring wheat during the growing season: A Canadian case study. <i>Environmental Pollution</i> , 2021 , 287, 117602	9.3	0
7	Multiphase CFD simulation of the nearshore spilled oil behaviors. <i>Environmental Pollution</i> , 2021 , 288, 117730	9.3	0
6	A Review on the Use of Nanoclay Adsorbents in Environmental Pollution Control. <i>Water, Air, and Soil Pollution</i> , 2022 , 233, 1	2.6	0
5	Numerical simulation of benzene transport in shoreline groundwater affected by tides under different conditions. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 1	5.8	0
4	A pH-responsive phosphoprotein surface washing fluid for cleaning oiled shoreline: Performance evaluation, biotoxicity analysis, and molecular dynamic simulation. <i>Chemical Engineering Journal</i> , 2022 , 437, 135336	14.7	0
3	Development of a calcium alginate-cellulose nanocrystal-based coating to reduce the impact of oil spills on shorelines. <i>Journal of Hazardous Materials</i> , 2022 , 129228	12.8	0
2	Sources, behaviors, transformations, and environmental risks of organophosphate esters in the coastal environment: A review. <i>Marine Pollution Bulletin</i> , 2022 , 180, 113779	6.7	0
1	Experimental and modeling studies of the effects of nanoclay on the oil behaviors in a water-sand system.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	