

Bing Chen

List of Publications by Year in descending order

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167
papers

4,259
citations

126907

33
h-index

161849

54
g-index

168
all docs

168
docs citations

168
times ranked

4316
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources of black carbon to the Himalayanâ€“Tibetan Plateau glaciers. <i>Nature Communications</i> , 2016, 7, 12574.	12.8	265
2	Offshore oil spill response practices and emerging challenges. <i>Marine Pollution Bulletin</i> , 2016, 110, 6-27.	5.0	224
3	Evaluating uncertainty estimates in distributed hydrological modeling for the Wenjing River watershed in China by GLUE, SUFI-2, and ParaSol methods. <i>Ecological Engineering</i> , 2015, 76, 110-121.	3.6	121
4	The chemical biology of sirtuins. <i>Chemical Society Reviews</i> , 2015, 44, 5246-5264.	38.1	115
5	Offshore produced water management: A review of current practice and challenges in harsh/Arctic environments. <i>Marine Pollution Bulletin</i> , 2016, 104, 7-19.	5.0	98
6	Screening of biosurfactant producers from petroleum hydrocarbon contaminated sources in cold marine environments. <i>Marine Pollution Bulletin</i> , 2014, 86, 402-410.	5.0	96
7	ITOM: an interval-parameter two-stage optimization model for stochastic planning of water resources systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 125-133.	4.0	89
8	Advanced oxidation processes in microreactors for water and wastewater treatment: Development, challenges, and opportunities. <i>Water Research</i> , 2022, 211, 118047.	11.3	87
9	Radiative absorption enhancement from coatings on black carbon aerosols. <i>Science of the Total Environment</i> , 2016, 551-552, 51-56.	8.0	86
10	Oil-in-water emulsion breaking marine bacteria for demulsifying oily wastewater. <i>Water Research</i> , 2019, 149, 292-301.	11.3	82
11	Marine Oil Spillsâ€“Oil Pollution, Sources and Effects. , 2019, , 391-406.		74
12	Microbial degradation of four crude oil by biosurfactant producing strain <i>Rhodococcus</i> sp.. <i>Bioresource Technology</i> , 2017, 232, 263-269.	9.6	66
13	Modeling and evaluation of urban pollution events of atmospheric heavy metals from a large Cu-smelter. <i>Science of the Total Environment</i> , 2016, 539, 17-25.	8.0	65
14	An Interval-Parameter Waste-Load-Allocation Model for River Water Quality Management Under Uncertainty. <i>Environmental Management</i> , 2009, 43, 999-1012.	2.7	64
15	Analysis of the Total Biflavonoids Extract from <i>Selaginella doederleinii</i> by HPLC-QTOF-MS and Its In Vitro and In Vivo Anticancer Effects. <i>Molecules</i> , 2017, 22, 325.	3.8	64
16	Light absorption enhancement of black carbon from urban haze in Northern China winter. <i>Environmental Pollution</i> , 2017, 221, 418-426.	7.5	61
17	Delicaflavone induces ROS-mediated apoptosis and inhibits PI3K/AKT/mTOR and Ras/MEK/Erk signaling pathways in colorectal cancer cells. <i>Biochemical Pharmacology</i> , 2020, 171, 113680.	4.4	57
18	Fingerprint and weathering characteristics of crude oils after Dalian oil spill, China. <i>Marine Pollution Bulletin</i> , 2013, 71, 64-68.	5.0	56

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19	An enhanced export coefficient based optimization model for supporting agricultural nonpoint source pollution mitigation under uncertainty. <i>Science of the Total Environment</i> , 2017, 580, 1351-1362.	8.0	54
20	Naphthalene degradation in seawater by UV irradiation: The effects of fluence rate, salinity, temperature and initial concentration. <i>Marine Pollution Bulletin</i> , 2014, 81, 149-156.	5.0	53
21	Fish Waste Based Lipopeptide Production and the Potential Application as a Bio-Dispersant for Oil Spill Control. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 734.	4.1	52
22	Enhancement of photocatalytic activity of TiO ₂ by immobilization on activated carbon for degradation of aquatic naphthalene under sunlight irradiation. <i>Chemical Engineering Journal</i> , 2021, 412, 128498.	12.7	52
23	A simulation-based multi-agent particle swarm optimization approach for supporting dynamic decision making in marine oil spill responses. <i>Ocean and Coastal Management</i> , 2019, 172, 128-136.	4.4	49
24	Microbial eco-physiological strategies for salinity-mediated crude oil biodegradation. <i>Science of the Total Environment</i> , 2020, 727, 138723.	8.0	47
25	Photocatalytic ozonation of offshore produced water by TiO ₂ nanotube arrays coupled with UV-LED irradiation. <i>Journal of Hazardous Materials</i> , 2021, 402, 123456.	12.4	47
26	Process simulation and dynamic control for marine oily wastewater treatment using UV irradiation. <i>Water Research</i> , 2015, 81, 101-112.	11.3	46
27	A review of ballast water management practices and challenges in harsh and arctic environments. <i>Environmental Reviews</i> , 2012, 20, 83-108.	4.5	45
28	FSILP: Fuzzy-stochastic-interval linear programming for supporting municipal solid waste management. <i>Journal of Environmental Management</i> , 2011, 92, 1198-1209.	7.8	43
29	Pilot-scale treatment of atrazine production wastewater by UV/O ₃ /ultrasound: Factor effects and system optimization. <i>Journal of Environmental Management</i> , 2017, 203, 182-190.	7.8	42
30	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 193-201.	7.8	42
31	Interactions between microplastics and oil dispersion in the marine environment. <i>Journal of Hazardous Materials</i> , 2021, 403, 123944.	12.4	42
32	Improved solubility, dissolution rate, and oral bioavailability of main biflavonoids from <i>Selaginella doederleinii</i> extract by amorphous solid dispersion. <i>Drug Delivery</i> , 2020, 27, 309-322.	5.7	38
33	Parameter Uncertainty Analysis of Surface Flow and Sediment Yield in the Huolin Basin, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1224-1236.	1.9	37
34	Functional modification of HHCB: Strategy for obtaining environmentally friendly derivatives. <i>Journal of Hazardous Materials</i> , 2021, 416, 126116.	12.4	37
35	2005–2014 trends of PM ₁₀ source contributions in an industrialized area of southern Spain. <i>Environmental Pollution</i> , 2018, 236, 570-579.	7.5	35
36	Delicaflavone induces apoptosis via mitochondrial pathway accompanying G ₂ /M cycle arrest and inhibition of MAPK signaling cascades in cervical cancer HeLa cells. <i>Phytomedicine</i> , 2019, 62, 152973.	5.3	35

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37	Modeling of UV-Induced Photodegradation of Naphthalene in Marine Oily Wastewater by Artificial Neural Networks. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	34
38	A cross-comparison of biosurfactants as marine oil spill dispersants: Governing factors, synergetic effects and fates. <i>Journal of Hazardous Materials</i> , 2021, 416, 126122.	12.4	34
39	Inhalation and ingestion of Synthetic musks in pregnant women: In silico spontaneous abortion risk evaluation and control. <i>Environment International</i> , 2022, 158, 106911.	10.0	33
40	Development of advanced oil/water separation technologies to enhance the effectiveness of mechanical oil recovery operations at sea: Potential and challenges. <i>Journal of Hazardous Materials</i> , 2022, 437, 129340.	12.4	33
41	Digital PCR as an Emerging Tool for Monitoring of Microbial Biodegradation. <i>Molecules</i> , 2020, 25, 706.	3.8	31
42	Biosurfactant Production by Marine-Originated Bacteria <i>Bacillus Subtilis</i> and Its Application for Crude Oil Removal. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	30
43	Towards sulfide removal and sulfate reducing bacteria inhibition: Function of biosurfactants produced by indigenous isolated nitrate reducing bacteria. <i>Chemosphere</i> , 2020, 238, 124655.	8.2	30
44	Photocatalytic Degradation of Polycyclic Aromatic Hydrocarbons in Offshore Produced Water: Effects of Water Matrix. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	29
45	Biosurfactant enhanced soil bioremediation of petroleum hydrocarbons: Design of experiments (DOE) based system optimization and phospholipid fatty acid (PLFA) based microbial community analysis. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 216-225.	3.9	29
46	Monte Carlo simulation-based dynamic mixed integer nonlinear programming for supporting oil recovery and devices allocation during offshore oil spill responses. <i>Ocean and Coastal Management</i> , 2014, 89, 58-70.	4.4	28
47	Vortex- and Shaker-Assisted Liquid-Liquid Microextraction (VSA-LLME) Coupled with Gas Chromatography and Mass Spectrometry (GC-MS) for Analysis of 16 Polycyclic Aromatic Hydrocarbons (PAHs) in Offshore Produced Water. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	28
48	An integrated offshore oil spill response decision making approach by human factor analysis and fuzzy preference evaluation. <i>Environmental Pollution</i> , 2020, 262, 114294.	7.5	27
49	Simultaneous quantification of five biflavonoids in rat plasma by LC-ESI-MS/MS and its application to a comparatively pharmacokinetic study of <i>Selaginella doederleinii</i> Hieron extract in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 80-88.	2.8	26
50	Recent advances in chemical and biological degradation of spilled oil: A review of dispersants application in the marine environment. <i>Journal of Hazardous Materials</i> , 2022, 436, 129260.	12.4	26
51	Monte Carlo Simulation-Aided Analytic Hierarchy Process Approach: Case Study of Assessing Preferred Non-Point-Source Pollution Control Best Management Practices. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 618-626.	1.4	25
52	Multi-agent hybrid particle swarm optimization (MAHPSO) for wastewater treatment network planning. <i>Journal of Environmental Management</i> , 2019, 234, 525-536.	7.8	25
53	A critical review on the environmental application of lipopeptide micelles. <i>Bioresource Technology</i> , 2021, 339, 125602.	9.6	25
54	A hybrid fuzzy stochastic analytical hierarchy process (FSAHP) approach for evaluating ballast water treatment technologies. <i>Environmental Systems Research</i> , 2013, 2, .	3.7	24

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55	Biosurfactant produced by a <i>Rhodococcus erythropolis</i> mutant as an oil spill response agent. <i>Water Quality Research Journal of Canada</i> , 2016, 51, 97-105.	2.7	24
56	<p>Proliposomes for oral delivery of total biflavonoids extract from Selaginella doederleinii; formulation development, optimization, and in vitroâin vivo characterization</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6691-6706.	6.7	24
57	Multi-Scale Biosurfactant Production by <i>Bacillus subtilis</i> Using Tuna Fish Waste as Substrate. <i>Catalysts</i> , 2021, 11, 456.	3.5	23
58	A novel bioemulsifier produced by <i>Exiguobacterium</i> sp. strain N4-1P isolated from petroleum hydrocarbon contaminated coastal sediment. <i>RSC Advances</i> , 2017, 7, 42699-42708.	3.6	22
59	Oily Wastewater Treatment by Nano-TiO ₂ -Induced Photocatalysis: Seeking more efficient and feasible solutions. <i>IEEE Nanotechnology Magazine</i> , 2017, 11, 4-15.	1.3	22
60	Machine learning-aided causal inference for unraveling chemical dispersant and salinity effects on crude oil biodegradation. <i>Bioresource Technology</i> , 2022, 345, 126468.	9.6	22
61	Light absorption of black carbon is doubled at Mt. Tai and typical urban area in North China. <i>Science of the Total Environment</i> , 2018, 635, 1144-1151.	8.0	21
62	Marine Oil SpillsâPreparedness and Countermeasures. , 2019, , 407-426.		21
63	Recent advancement in the development of new dispersants as oil spill treating agents. <i>Current Opinion in Chemical Engineering</i> , 2022, 36, 100770.	7.8	21
64	Microplastic-oil-dispersant agglomerates in the marine environment: Formation mechanism and impact on oil dispersion. <i>Journal of Hazardous Materials</i> , 2022, 426, 127825.	12.4	21
65	Historical variation in black carbon deposition and sources to Northern China sediments. <i>Chemosphere</i> , 2017, 172, 242-248.	8.2	20
66	An emergency response system by dynamic simulation and enhanced particle swarm optimization and application for a marine oil spill accident. <i>Journal of Cleaner Production</i> , 2021, 297, 126591.	9.3	20
67	Diverse perspectives on interdisciplinarity from Members of the College of the Royal Society of Canada. <i>Facets</i> , 2020, 5, 138-165.	2.4	19
68	Potential negative consequences of geoengineering on crop production: A study of Indian groundnut. <i>Geophysical Research Letters</i> , 2016, 43, 11786-11795.	4.0	18
69	Microfluidic Based Whole-Cell Biosensors for Simultaneously On-Site Monitoring of Multiple Environmental Contaminants. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 622108.	4.1	18
70	UV Stimulated Manganese Dioxide for the Persulfate Catalytic Degradation of Bisphenol A. <i>Catalysts</i> , 2021, 11, 502.	3.5	18
71	Access-dispersion-recovery strategy for enhanced mitigation of heavy crude oil pollution using magnetic nanoparticles decorated bacteria. <i>Bioresource Technology</i> , 2021, 337, 125404.	9.6	18
72	Simulation-Based Inexact Two-Stage Chance-Constraint Quadratic Programming for Sustainable Water Quality Management under Dual Uncertainties. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 298-312.	2.6	17

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73	Screening of biosurfactant-producing bacteria from offshore oil and gas platforms in North Atlantic Canada. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 284.	2.7	17
74	Modeling and optimization of Newfoundland shrimp waste hydrolysis for microbial growth using response surface methodology and artificial neural networks. <i>Marine Pollution Bulletin</i> , 2016, 109, 245-252.	5.0	17
75	Researcher engagement in policy deemed societally beneficial yet unrewarded. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 375-382.	4.0	17
76	Deciphering the potential anti-COVID-19 active ingredients in <i>Andrographis paniculata</i> (Burm. F.) Nees by combination of network pharmacology, molecular docking, and molecular dynamics. <i>RSC Advances</i> , 2021, 11, 36511-36517.	3.6	17
77	Dermal exposure to synthetic musks: Human health risk assessment, mechanism, and control strategy. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113463.	6.0	17
78	Microplastic and oil pollution in oceans: Interactions and environmental impacts. <i>Science of the Total Environment</i> , 2022, 838, 156142.	8.0	17
79	A Hybrid Stochastic-Interval Analytic Hierarchy Process Approach for Prioritizing the Strategies of Reusing Treated Wastewater. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	1.1	16
80	A Monte Carlo simulation based two-stage adaptive resonance theory mapping approach for offshore oil spill vulnerability index classification. <i>Marine Pollution Bulletin</i> , 2014, 86, 434-442.	5.0	16
81	Human SIRT3 tripeptidic inhibitors containing N μ -thioacetyl-lysine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3481-3487.	2.2	16
82	Removal of naphthalene from offshore produced water through immobilized nano-TiO ₂ aided photo-oxidation. <i>Water Quality Research Journal of Canada</i> , 2016, 51, 246-255.	2.7	16
83	A data-driven binary-classification framework for oil fingerprinting analysis. <i>Environmental Research</i> , 2021, 201, 111454.	7.5	16
84	Isoorientin attenuates doxorubicin-induced cardiac injury via the activation of MAPK, Akt, and Caspase-dependent signaling pathways. <i>Phytomedicine</i> , 2022, 101, 154105.	5.3	16
85	Optimizing Cr(VI) adsorption on activated carbon produced from heavy oil fly ash. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 482-490.	3.0	15
86	An enhanced radial interval programming approach for supporting agricultural production decisions under dual uncertainties and differential aspirations. <i>Journal of Cleaner Production</i> , 2017, 168, 189-204.	9.3	15
87	Field management of a drinking water reservoir basin based on the investigation of multiple agricultural nonpoint source pollution indicators in north China. <i>Ecological Indicators</i> , 2018, 92, 113-123.	6.3	15
88	Brominated Flame Retardants, Microplastics, and Biocides in the Marine Environment: Recent Updates of Occurrence, Analysis, and Impacts. <i>Advances in Marine Biology</i> , 2018, 81, 167-211.	1.4	15
89	The removal of COD and NH ₃ -N from atrazine production wastewater treatment using UV/O ₃ : experimental investigation and kinetic modeling. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2691-2701.	5.3	14
90	Reconciling modeling with observations of radiative absorption of black carbon aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5932-5942.	3.3	13

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91	Carbon nitride quantum dot-enhanced chemiluminescence of hydrogen peroxide and hydrosulfite and its application in ascorbic acid sensing. <i>Analytical Methods</i> , 2018, 10, 474-480.	2.7	13
92	Non-covalent modification of glassy carbon electrode with isoorientin and application to alpha-fetoprotein detection by fabricating an immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127494.	7.8	13
93	Ethyl Acetate Extract of <i>Selaginella doederleinii</i> Hieron Induces Cell Autophagic Death and Apoptosis in Colorectal Cancer via PI3K-Akt-mTOR and AMPK α -Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2020, 11, 565090.	3.5	13
94	A comprehensive system review of pharmacological effects and relative mechanisms of Ginsenoside Re: Recent advances and future perspectives. <i>Phytomedicine</i> , 2022, 102, 154119.	5.3	13
95	Shrimp-waste based dispersant as oil spill treating agent: Biodegradation of dispersant and dispersed oil. <i>Journal of Hazardous Materials</i> , 2022, 439, 129617.	12.4	13
96	IFMEP: an interval fuzzy multiobjective environmental planning model for urban systems. <i>Civil Engineering and Environmental Systems</i> , 2008, 25, 99-125.	0.9	12
97	Risk Assessment of Ambient Air Quality by Stochastic-Based Fuzzy Approaches. <i>Environmental Engineering Science</i> , 2010, 27, 233-246.	1.6	12
98	Hydrological Modeling of Subarctic Wetlands: Comparison Between SLURP and WATFLOOD. <i>Environmental Engineering Science</i> , 2011, 28, 521-533.	1.6	12
99	A design of experiment aided sensitivity analysis and parameterization for hydrological modeling. <i>Canadian Journal of Civil Engineering</i> , 2012, 39, 460-472.	1.3	12
100	Characteristics of 14C and 13C of carbonate aerosols in dust storm events in China. <i>Atmospheric Research</i> , 2015, 164-165, 297-303.	4.1	12
101	Honey reduces blood alcohol concentration but not affects the level of serum MDA and GSH-Px activity in intoxicated male mice models. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 225.	3.7	12
102	Occurrence, Impact, Analysis and Treatment of Metformin and Guanylurea in Coastal Aquatic Environments of Canada, USA and Europe. <i>Advances in Marine Biology</i> , 2018, 81, 23-58.	1.4	12
103	Complete Genome Sequence of <i>Exiguobacterium</i> sp. Strain N4-1P, a Psychrophilic Bioemulsifier Producer Isolated from a Cold Marine Environment in North Atlantic Canada. <i>Genome Announcements</i> , 2017, 5, .	0.8	11
104	Fly ash based robust biocatalyst generation: a sustainable strategy towards enhanced green biosurfactant production and waste utilization. <i>RSC Advances</i> , 2019, 9, 20216-20225.	3.6	11
105	Semi-simultaneous Saccharification and Fermentation of Ethanol Production from <i>Sargassum horneri</i> and Biosorbent Production from Fermentation Residues. <i>Waste and Biomass Valorization</i> , 2020, 11, 4743-4755.	3.4	11
106	Solvent-free photo-thermocatalytic oxidation of benzyl alcohol on Pd/TiO ₂ (B) nanowires. <i>Molecular Catalysis</i> , 2020, 483, 110771.	2.0	11
107	Impacts of Frazil Ice on the Effectiveness of Oil Dispersion and Migration of Dispersed Oil. <i>Environmental Science & Technology</i> , 2022, 56, 835-844.	10.0	11
108	IRFAM: Integrated Rule-Based Fuzzy Adaptive Resonance Theory Mapping System for Watershed Modeling. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 21-32.	1.9	10

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109	Generation of shrimp waste-based dispersant for oil spill response. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9443-9453.	5.3	10
110	Fate and Transport Modelling of Emerging Pollutants from Watersheds to Oceans: A Review. <i>Advances in Marine Biology</i> , 2018, 81, 97-128.	1.4	10
111	Adsorptive Removal of Cr(VI) by Sargassum horneri-Based Activated Carbon Coated with Chitosan. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	10
112	Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptor-mutated non-small cell lung cancer: A narrative review. <i>British Journal of Pharmacology</i> , 2021, 178, 1388-1406.	5.4	10
113	Identification of Koumine as a Translocator Protein 18kDa Positive Allosteric Modulator for the Treatment of Inflammatory and Neuropathic Pain. <i>Frontiers in Pharmacology</i> , 2021, 12, 692917.	3.5	10
114	Pharmacokinetics, Tissue Distribution, and Human Serum Albumin Binding Properties of Delicaflavone, a Novel Anti-Tumor Candidate. <i>Frontiers in Pharmacology</i> , 2021, 12, 761884.	3.5	10
115	Use of Sesquiterpanes, Steranes, and Terpanes for Forensic Fingerprinting of Chemically Dispersed Oil. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	9
116	Modeling marine oily wastewater treatment by a probabilistic agent-based approach. <i>Marine Pollution Bulletin</i> , 2018, 127, 217-224.	5.0	9
117	Aliphatic and aromatic biomarkers for fingerprinting of weathered chemically dispersed oil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15702-15714.	5.3	9
118	Metagenomic and Metatranscriptomic Responses of Chemical Dispersant Application during a Marine Dilbit Spill. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0215121.	3.1	9
119	Insights into toxicity of polychlorinated naphthalenes to multiple human endocrine receptors: Mechanism and health risk analysis. <i>Environment International</i> , 2022, 165, 107291.	10.0	9
120	GIS-based distributed model for simulating runoff and sediment load in the Malian River Basin. <i>Hydrobiologia</i> , 2003, 494, 127-134.	2.0	8
121	PeLM: Modeling of Pesticide-Losses Through Runoff and Sediment Transport. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004, 39, 613-626.	1.5	8
122	Pesticide-loss Simulation and Health Risk Assessment during the Flood Season in Watershed Systems. <i>Water International</i> , 2005, 30, 88-98.	1.0	8
123	Study of weathering effects on the distribution of aromatic steroid hydrocarbons in crude oils and oil residues. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2408-2414.	3.5	8
124	Ozonation of offshore produced water: kinetic study and fuzzy inference system modeling. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 132.	2.7	8
125	Microbial degradation of four dispersed crude oils by <i>Rhodococcus</i> sp. evaluated using carbon stable isotope analysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1800-1807.	3.2	8
126	Delicaflavone Reverses Cisplatin Resistance via Endoplasmic Reticulum Stress Signaling Pathway in Non-Small Cell Lung Cancer Cells. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 10315-10322.	2.0	8

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127	Potential mechanism of action of <i>Ilex sonchifolia</i> extract injection against cardiovascular diseases revealed by combination of HPLC-Q-TOF-MS, virtual screening and systems pharmacology approach. RSC Advances, 2020, 10, 38497-38504.	3.6	8
128	3D-QSAR-aided toxicity assessment of synthetic musks and their transformation by-products. Environmental Science and Pollution Research, 2021, 28, 57530-57542.	5.3	8
129	Impact of Microplastics on Oil Dispersion Efficiency in the Marine Environment. Sustainability, 2021, 13, 13752.	3.2	8
130	Wastewater Treatment Plant Network Design Using a Multiscale Two-Stage Mixed Integer Stochastic Model. Environmental Engineering Science, 2017, 34, 861-871.	1.6	7
131	A design of experiment aided stochastic parameterization method for modeling aquifer NAPL contamination. Environmental Modelling and Software, 2018, 101, 183-193.	4.5	7
132	Enhanced CO ₂ Adsorption on Activated Carbon-Modified HKUST-1 Composites. ChemistrySelect, 2018, 3, 11601-11605.	1.5	7
133	Integration of Fuzzy Matter-Element Method and 3D-QSAR Model for Generation of Environmentally Friendly Quinolone Derivatives. International Journal of Environmental Research and Public Health, 2020, 17, 3239.	2.6	7
134	An improved calibration and uncertainty analysis approach using a multicriteria sequential algorithm for hydrological modeling. Scientific Reports, 2021, 11, 16954.	3.3	7
135	Water Pollution Simulation and Health Risk Assessment Through a Refined Contaminant Transport Model. Water, Air, and Soil Pollution, 2009, 200, 323-339.	2.4	6
136	An integrated pharmacokinetic study of Dengzhanxixin injection in rats by combination of multicomponent pharmacokinetics and anti-myocardial ischemic assay. RSC Advances, 2019, 9, 25309-25317.	3.6	6
137	The effect of pressure variation on droplet size distribution of dispersed oil under simulated deep-water conditions. Heliyon, 2021, 7, e06291.	3.2	6
138	Systems Pharmacology Dissection of Mechanisms of Dengzhan Xixin Injection against Cardiovascular Diseases. Chemical and Pharmaceutical Bulletin, 2020, 68, 837-847.	1.3	6
139	An ultrasound/O ₃ and UV/O ₃ process for atrazine manufacturing wastewater treatment: a multiple scale experimental study. Water Science and Technology, 2022, 85, 229-243.	2.5	6
140	Synthesis, biological evaluation, pharmacokinetic studies and molecular docking of 4-acetyl-delicaflavone as antitumor agents. Bioorganic Chemistry, 2022, 120, 105638.	4.1	5
141	Pesticide Runoff Model (PeRM): A Case Study for the Kintore Creek Watershed, Ontario, Canada. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2003, 38, 257-273.	1.5	4
142	A comparison study on distributed hydrological modelling of a subarctic wetland system. Procedia Environmental Sciences, 2010, 2, 1043-1049.	1.4	4
143	Development of an Integrated Adaptive Resonance Theory Mapping Classification System for Supporting Watershed Hydrological Modeling. Journal of Hydrologic Engineering - ASCE, 2012, 17, 679-693.	1.9	4
144	Differentiation of weathered chemically dispersed oil from weathered crude oil. Environmental Monitoring and Assessment, 2019, 191, 270.	2.7	4

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145	Machine Learning-Aided Causal Inference Framework for Environmental Data Analysis: A COVID-19 Case Study. <i>Environmental Science & Technology</i> , 2021, 55, 13400-13410.	10.0	4
146	Disclosing targets and pharmacological mechanisms of total bioflavonoids extracted from <i>Selaginella doederleinii</i> against non-small cell lung cancer by combination of network pharmacology and proteomics. <i>Journal of Ethnopharmacology</i> , 2022, 286, 114836.	4.1	4
147	Effects of calmodulin-dependent protein kinase II inhibitor, KN-93, on electrophysiological features of rabbit hypertrophic cardiac myocytes. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2012, 32, 485-489.	1.0	3
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