Bing Chen

List of Publications by Year
in descending order

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	Inhalation and ingestion of Synthetic musks in pregnant women: In silico spontaneous abortion risk evaluation and control. Environment International, 2022, 158, 106911.	10.0	33
2	Recent advancement in the development of new dispersants as oil spill treating agents. Current Opinion in Chemical Engineering, 2022, 36, 100770.	7.8	21
3	Microplastic-oil-dispersant agglomerates in the marine environment: Formation mechanism and impact on oil dispersion. Journal of Hazardous Materials, 2022, 426, 127825.	12.4	21
4	Disclosing targets and pharmacological mechanisms of total bioflavonoids extracted from Selaginella doederleinii against non-small cell lung cancer by combination of network pharmacology and proteomics. Journal of Ethnopharmacology, 2022, 286, 114836.	4.1	4
5	Machine learning-aided causal inference for unraveling chemical dispersant and salinity effects on crude oil biodegradation. Bioresource Technology, 2022, 345, 126468.	9.6	22
6	Metagenomic and Metatranscriptomic Responses of Chemical Dispersant Application during a Marine Dilbit Spill. Applied and Environmental Microbiology, 2022, 88, aem0215121.	3.1	9
7	*Sargassum horneri*‐based carbon‐doped TiO$_2$ and its aquatic naphthalene photodegradation under sunlight irradiation. Journal of Chemical Technology and Biotechnology, 2022, 97, 1267-1274.	3.2	3
8	Synthesis, biological evaluation, pharmacokinetic studies and molecular docking of 4′′′-acetyl-delicaflavone as antitumor agents. Bioorganic Chemistry, 2022, 120, 105638.	4.1	5
9	Advanced oxidation processes in microreactors for water and wastewater treatment: Development, challenges, and opportunities. Water Research, 2022, 211, 118047.	11.3	87
10	Dermal exposure to synthetic musks: Human health risk assessment, mechanism, and control strategy. Ecotoxicology and Environmental Safety, 2022, 236, 113463.	6.0	17
11	An ultrasound/O3 and UV/O3 process for atrazine manufacturing wastewater treatment: a multiple scale experimental study. Water Science and Technology, 2022, 85, 229-243.	2.5	6
12	DSS-OSM: An Integrated Decision Support System for Offshore Oil Spill Management. Water (Switzerland), 2022, 14, 20.	2.7	2
13	Impacts of Frazil Ice on the Effectiveness of Oil Dispersion and Migration of Dispersed Oil. Environmental Science & Technology, 2022, 56, 835-844.	10.0	11
14	Bioherder Generated by Rhodococcus erythropolis as a Marine Oil Spill Treating Agent. Frontiers in Microbiology, 2022, 13, 860458.	3.5	1
15	Isoorientin attenuates doxorubicin-induced cardiac injury via the activation of MAPK, Akt, and Caspase-dependent signaling pathways. Phytomedicine, 2022, 101, 154105.	5.3	16
16	A comprehensive system review of pharmacological effects and relative mechanisms of Ginsenoside Re: Recent advances and future perspectives. Phytomedicine, 2022, 102, 154119.	5.3	13
17	Tissue Distribution, Excretion, and Interaction With Human Serum Albumin of Total Bioflavonoid Extract From Selaginella doederleinii. Frontiers in Pharmacology, 2022, 13, 849110.	3.5	2
18	Insights into toxicity of polychlorinated naphthalenes to multiple human endocrine receptors: Mechanism and health risk analysis. Environment International, 2022, 165, 107291.	10.0	9

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19	Microplastic and oil pollution in oceans: Interactions and environmental impacts. Science of the Total Environment, 2022, 838, 156142.	8.0	17
20	Recent advances in chemical and biological degradation of spilled oil: A review of dispersants application in the marine environment. Journal of Hazardous Materials, 2022, 436, 129260.	12.4	26
21	Climate-Driven Changes in High-Intensity Wildfire on Orbital Timescales in Eurasia since 320â€‰ka. Lithosphere, 2022, 2022, .	1.4	2
22	Development of advanced oil/water separation technologies to enhance the effectiveness of mechanical oil recovery operations at sea: Potential and challenges. Journal of Hazardous Materials, 2022, 437, 129340.	12.4	33
23	Shrimp-waste based dispersant as oil spill treating agent: Biodegradation of dispersant and dispersed oil. Journal of Hazardous Materials, 2022, 439, 129617.	12.4	13
24	Photocatalytic ozonation of offshore produced water by TiO2 nanotube arrays coupled with UV-LED irradiation. Journal of Hazardous Materials, 2021, 402, 123456.	12.4	47
25	Interactions between microplastics and oil dispersion in the marine environment. Journal of Hazardous Materials, 2021, 403, 123944.	12.4	42
26	Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptorâ€mutated nonâ€smallâ€cell lung cancer: A narrative review. British Journal of Pharmacology, 2021, 178, 1388-1406.	5.4	10
27	The effect of pressure variation on droplet size distribution of dispersed oil under simulated deep-water conditions. Heliyon, 2021, 7, e06291.	3.2	6
28	Microfluidic Based Whole-Cell Biosensors for Simultaneously On-Site Monitoring of Multiple Environmental Contaminants. Frontiers in Bioengineering and Biotechnology, 2021, 9, 622108.	4.1	18
29	UV Stimulated Manganese Dioxide for the Persulfate Catalytic Degradation of Bisphenol A. Catalysts, 2021, 11, 502.	3.5	18
30	Multi-Scale Biosurfactant Production by Bacillus subtilis Using Tuna Fish Waste as Substrate. Catalysts, 2021, 11, 456.	3.5	23
31	Enhancement of photocatalytic activity of TiO2 by immobilization on activated carbon for degradation of aquatic naphthalene under sunlight irradiation. Chemical Engineering Journal, 2021, 412, 128498.	12.7	52
32	Phototransformation of three polychlorinated naphthalenes on surface of atmospheric particulate matter. Journal of Hazardous Materials, 2021, 409, 124895.	12.4	2
33	An emergency response system by dynamic simulation and enhanced particle swarm optimization and application for a marine oil spill accident. Journal of Cleaner Production, 2021, 297, 126591.	9.3	20
34	Identification of Koumine as a Translocator Protein 18ÂkDa Positive Allosteric Modulator for the Treatment of Inflammatory and Neuropathic Pain. Frontiers in Pharmacology, 2021, 12, 692917.	3.5	10
35	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
36	Photoconversion of polychlorinated naphthalenes in organic solvents under simulated sunlight: Solvent effect and mechanism. Chemosphere, 2021, 272, 129887.	8.2	0

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37	An improved calibration and uncertainty analysis approach using a multicriteria sequential algorithm for hydrological modeling. Scientific Reports, 2021, 11, 16954.	3.3	7
38	Functional modification of HHCB: Strategy for obtaining environmentally friendly derivatives. Journal of Hazardous Materials, 2021, 416, 126116.	12.4	37
39	A cross-comparison of biosurfactants as marine oil spill dispersants: Governing factors, synergetic effects and fates. Journal of Hazardous Materials, 2021, 416, 126122.	12.4	34
40	Machine Learning-Aided Causal Inference Framework for Environmental Data Analysis: A COVID-19 Case Study. Environmental Science & Technology, 2021, 55, 13400-13410.	10.0	4
41	Access-dispersion-recovery strategy for enhanced mitigation of heavy crude oil pollution using magnetic nanoparticles decorated bacteria. Bioresource Technology, 2021, 337, 125404.	9.6	18
42	A data-driven binary-classification framework for oil fingerprinting analysis. Environmental Research, 2021, 201, 111454.	7.5	16
43	A critical review on the environmental application of lipopeptide micelles. Bioresource Technology, 2021, 339, 125602.	9.6	25
44	System Control and Optimization in Wastewater Treatment: A Particle Swarm Optimization (PSO) Approach. , 2021, , 393-407.		0
45	Label-free colorimetric detection of glutathione by autocatalytic oxidation of o-phenylenediamine based on Au^{3+} regulation and its application. New Journal of Chemistry, 2021, 45, 9066-9072.	2.8	0
46	Pharmacokinetics, Tissue Distribution, and Human Serum Albumin Binding Properties of Delicaflavone, a Novel Anti-Tumor Candidate. Frontiers in Pharmacology, 2021, 12, 761884.	3.5	10
47	Deciphering the potential anti-COVID-19 active ingredients in _Andrographis paniculata_ (Burm. F.) Nees by combination of network pharmacology, molecular docking, and molecular dynamics. RSC Advances, 2021, 11, 36511-36517.	3.6	17
48	Impact of Microplastics on Oil Dispersion Efficiency in the Marine Environment. Sustainability, 2021, 13, 13752.	3.2	8
49	Towards sulfide removal and sulfate reducing bacteria inhibition: Function of biosurfactants produced by indigenous isolated nitrate reducing bacteria. Chemosphere, 2020, 238, 124655.	8.2	30
50	Semi-simultaneous Saccharification and Fermentation of Ethanol Production from Sargassum horneri and Biosorbent Production from Fermentation Residues. Waste and Biomass Valorization, 2020, 11, 4743-4755.	3.4	11
51	Delicaflavone induces ROS-mediated apoptosis and inhibits PI3K/AKT/mTOR and Ras/MEK/Erk signaling pathways in colorectal cancer cells. Biochemical Pharmacology, 2020, 171, 113680.	4.4	57
52	Non-covalent modification of glassy carbon electrode with isoorientin and application to alpha-fetoprotein detection by fabricating an immunosensor. Sensors and Actuators B: Chemical, 2020, 305, 127494.	7.8	13
53	Fish Waste Based Lipopeptide Production and the Potential Application as a Bio-Dispersant for Oil Spill Control. Frontiers in Bioengineering and Biotechnology, 2020, 8, 734.	4.1	52
54	Ethyl Acetate Extract of Selaginella doederleinii Hieron Induces Cell Autophagic Death and Apoptosis in Colorectal Cancer via PI3K-Akt-mTOR and AMPKα-Signaling Pathways. Frontiers in Pharmacology, 2020, 11, 565090.	3.5	13

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55	<p>Delicaflavone Reverses Cisplatin Resistance via Endoplasmic Reticulum Stress Signaling Pathway in Non-Small Cell Lung Cancer Cells</p>. OncoTargets and Therapy, 2020, Volume 13, 10315-10322.	2.0	8
56	Potential mechanism of action of<i>Ixeris 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
57	Enhanced Gas Chromatography-Mass Spectrometry (GC-MS)-Based Analysis of Metformin and Guanylurea in Water Samples. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	2
58	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
59	An integrated offshore oil spill response decision making approach by human factor analysis and fuzzy preference evaluation. Environmental Pollution, 2020, 262, 114294.	7.5	27
60	Adsorptive Removal of Cr(VI) by Sargassum horneriâ€"Based Activated Carbon Coated with Chitosan. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	10
61	Improved solubility, dissolution rate, and oral bioavailability of main biflavonoids from <i>Selaginella doederleinii</i> extract by amorphous solid dispersion. Drug Delivery, 2020, 27, 309-322.	5.7	38
62	Digital PCR as an Emerging Tool for Monitoring of Microbial Biodegradation. Molecules, 2020, 25, 706.	3.8	31
63	Solvent-free photo-thermocatalytic oxidation of benzyl alcohol on Pd/TiO2 (B) nanowires. Molecular Catalysis, 2020, 483, 110771.	2.0	11
64	Microbial eco-physiological strategies for salinity-mediated crude oil biodegradation. Science of the Total Environment, 2020, 727, 138723.	8.0	47
65	Diverse perspectives on interdisciplinarity from Members of the College of the Royal Society of Canada. Facets, 2020, 5, 138-165.	2.4	19
66	Systems Pharmacology Dissection of Mechanisms of Dengzhan Xixin Injection against Cardiovascular Diseases. Chemical and Pharmaceutical Bulletin, 2020, 68, 837-847.	1.3	6
67	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
68	Researcher engagement in policy deemed societally beneficial yet unrewarded. Frontiers in Ecology and the Environment, 2019, 17, 375-382.	4.0	17
69	Fly ash based robust biocatalyst generation: a sustainable strategy towards enhanced green biosurfactant production and waste utilization. RSC Advances, 2019, 9, 20216-20225.	3.6	11
70	<p>Proliposomes for oral delivery of total biflavonoids extract from Selaginella doederleinii: formulation development, optimization, and in vitroâ€"in vivo characterization</p>. International Journal of Nanomedicine, 2019, Volume 14, 6691-6706.	6.7	24
71	Delicaflavone induces apoptosis via mitochondrial pathway accompanying G2/M cycle arrest and inhibition of MAPK signaling cascades in cervical cancer HeLa cells. Phytomedicine, 2019, 62, 152973.	5.3	35
72	Differentiation of weathered chemically dispersed oil from weathered crude oil. Environmental Monitoring and Assessment, 2019, 191, 270.	2.7	4

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73	Microbial degradation of four dispersed crude oils by *Rhodococcus* sp. evaluated using carbon stable isotope analysis. Journal of Chemical Technology and Biotechnology, 2019, 94, 1800-1807.	3.2	8
74	A simulation-based multi-agent particle swarm optimization approach for supporting dynamic decision making in marine oil spill responses. Ocean and Coastal Management, 2019, 172, 128-136.	4.4	49
75	Oil-in-water emulsion breaking marine bacteria for demulsifying oily wastewater. Water Research, 2019, 149, 292-301.	11.3	82
76	Multi-agent hybrid particle swarm optimization (MAHPSO) for wastewater treatment network planning. Journal of Environmental Management, 2019, 234, 525-536.	7.8	25
77	Marine Oil Spillsâ€"Oil Pollution, Sources and Effects. , 2019, , 391-406.		74
78	Marine Oil Spillsâ€"Preparedness and Countermeasures. , 2019, , 407-426.		21
79	Simultaneous Determination of Five Irdoid Glycosides and Three Flavonoid Glycosides in Hedyotis Diffusa Wild by UPLC-UV with Ultrasound-Assisted Extraction. Current Pharmaceutical Analysis, 2019, 15, 808-818.	0.6	1
80	A design of experiment aided stochastic parameterization method for modeling aquifer NAPL contamination. Environmental Modelling and Software, 2018, 101, 183-193.	4.5	7
81	Parameterization Study for Modeling Biosurfactant-Enhanced Aquifer Remediation Processes Based on Flow Cell Experiments. Journal of Environmental Engineering, ASCE, 2018, 144, 04017096.	1.4	1
82	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. Sensors and Actuators B: Chemical, 2018, 264, 193-201.	7.8	42
83	Ozonation of offshore produced water: kinetic study and fuzzy inference system modeling. Environmental Monitoring and Assessment, 2018, 190, 132.	2.7	8
84	Generation of shrimp waste-based dispersant for oil spill response. Environmental Science and Pollution Research, 2018, 25, 9443-9453.	5.3	10
85	Modeling marine oily wastewater treatment by a probabilistic agent-based approach. Marine Pollution Bulletin, 2018, 127, 217-224.	5.0	9
86	Carbon nitride quantum dot-enhanced chemiluminescence of hydrogen peroxide and hydrosulfite and its application in ascorbic acid sensing. Analytical Methods, 2018, 10, 474-480.	2.7	13
87	Biosurfactant enhanced soil bioremediation of petroleum hydrocarbons: Design of experiments (DOE) based system optimization and phospholipid fatty acid (PLFA) based microbial community analysis. International Biodeterioration and Biodegradation, 2018, 132, 216-225.	3.9	29
88	Light absorption of black carbon is doubled at Mt. Tai and typical urban area in North China. Science of the Total Environment, 2018, 635, 1144-1151.	8.0	21
89	2005â€"2014 trends of PM10 source contributions in an industrialized area of southern Spain. Environmental Pollution, 2018, 236, 570-579.	7.5	35
90	Field management of a drinking water reservoir basin based on the investigation of multiple agricultural nonpoint source pollution indicators in north China. Ecological Indicators, 2018, 92, 113-123.	6.3	15

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91	Simultaneous quantification of five biflavonoids in rat plasma by LC-ESI–MS/MS and its application to a comparatively pharmacokinetic study of Selaginella doederleinii Hieron extract in rats. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 80-88.	2.8	26
92	The removal of COD and NH3-N from atrazine production wastewater treatment using UV/O3: experimental investigation and kinetic modeling. Environmental Science and Pollution Research, 2018, 25, 2691-2701.	5.3	14
93	Preface. Advances in Marine Biology, 2018, 81, xxix-xxx.	1.4	0
94	Enhanced CO_2 Adsorption on Activated Carbon–Modified HKUST–1 Composites. ChemistrySelect, 2018, 3, 11601-11605.	1.5	7
95	Fate and Transport Modelling of Emerging Pollutants from Watersheds to Oceans: A Review. Advances in Marine Biology, 2018, 81, 97-128.	1.4	10
96	Brominated Flame Retardants, Microplastics, and Biocides in the Marine Environment: Recent Updates of Occurrence, Analysis, and Impacts. Advances in Marine Biology, 2018, 81, 167-211.	1.4	15
97	Occurrence, Impact, Analysis and Treatment of Metformin and Guanylurea in Coastal Aquatic Environments of Canada, USA and Europe. Advances in Marine Biology, 2018, 81, 23-58.	1.4	12
98	Aliphatic and aromatic biomarkers for fingerprinting of weathered chemically dispersed oil. Environmental Science and Pollution Research, 2018, 25, 15702-15714.	5.3	9
99	Historical variation in black carbon deposition and sources to Northern China sediments. Chemosphere, 2017, 172, 242-248.	8.2	20
100	Microbial degradation of four crude oil by biosurfactant producing strain Rhodococcus sp.. Bioresource Technology, 2017, 232, 263-269.	9.6	66
101	Reconciling modeling with observations of radiative absorption of black carbon aerosols. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5932-5942.	3.3	13
102	An enhanced export coefficient based optimization model for supporting agricultural nonpoint source pollution mitigation under uncertainty. Science of the Total Environment, 2017, 580, 1351-1362.	8.0	54
103	Light absorption enhancement of black carbon from urban haze in Northern China winter. Environmental Pollution, 2017, 221, 418-426.	7.5	61
104	Wastewater Treatment Plant Network Design Using a Multiscale Two-Stage Mixed Integer Stochastic Model. Environmental Engineering Science, 2017, 34, 861-871.	1.6	7
105	An enhanced radial interval programming approach for supporting agricultural production decisions under dual uncertainties and differential aspirations. Journal of Cleaner Production, 2017, 168, 189-204.	9.3	15
106	A novel bioemulsifier produced by Exiguobacterium sp. strain N4-1P isolated from petroleum hydrocarbon contaminated coastal sediment. RSC Advances, 2017, 7, 42699-42708.	3.6	22
107	Oily Wastewater Treatment by Nano-TiO_2-Induced Photocatalysis: Seeking more efficient and feasible solutions. IEEE Nanotechnology Magazine, 2017, 11, 4-15.	1.3	22
108	Pilot-scale treatment of atrazine production wastewater by UV/O 3 /ultrasound: Factor effects and system optimization. Journal of Environmental Management, 2017, 203, 182-190.	7.8	42

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109	Complete Genome Sequence of Exiguobacterium sp. Strain N4-1P, a Psychrophilic Bioemulsifier Producer Isolated from a Cold Marine Environment in North Atlantic Canada. Genome Announcements, 2017, 5, .	0.8	11
110	Analysis of the Total Biflavonoids Extract from Selaginella doederleinii by HPLC-QTOF-MS and Its In Vitro and In Vivo Anticancer Effects. Molecules, 2017, 22, 325.	3.8	64
111	Offshore oil spill response practices and emerging challenges. Marine Pollution Bulletin, 2016, 110, 6-27.	5.0	224
112	Editorial: Marine and freshwater quality management. Water Quality Research Journal of Canada, 2016, 51, 181-183.	2.7	1
113	Removal of naphthalene from offshore produced water through immobilized nano-TiO2 aided photo-oxidation. Water Quality Research Journal of Canada, 2016, 51, 246-255.	2.7	16
114	Biosurfactant produced by a Rhodococcus erythropolis mutant as an oil spill response agent. Water Quality Research Journal of Canada, 2016, 51, 97-105.	2.7	24
115	Photocatalytic Degradation of Polycyclic Aromatic Hydrocarbons in Offshore Produced Water: Effects of Water Matrix. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	29
116	Use of Sesquiterpanes, Steranes, and Terpanes for Forensic Fingerprinting of Chemically Dispersed Oil. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	9
117	Biosurfactant Production by Marine-Originated Bacteria Bacillus Subtilis and Its Application for Crude Oil Removal. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	30
118	Modeling and optimization of Newfoundland shrimp waste hydrolysis for microbial growth using response surface methodology and artificial neural networks. Marine Pollution Bulletin, 2016, 109, 245-252.	5.0	17
119	Regional prediction of carbon isotopes in soil carbonates for Asian dust source tracer. Atmospheric Environment, 2016, 142, 1-8.	4.1	3
120	Sources of black carbon to the Himalayan–Tibetan Plateau glaciers. Nature Communications, 2016, 7, 12574.	12.8	265
121	Potential negative consequences of geoengineering on crop production: A study of Indian groundnut. Geophysical Research Letters, 2016, 43, 11786-11795.	4.0	18
122	Offshore produced water management: A review of current practice and challenges in harsh/Arctic environments. Marine Pollution Bulletin, 2016, 104, 7-19.	5.0	98
123	Radiative absorption enhancement from coatings on black carbon aerosols. Science of the Total Environment, 2016, 551-552, 51-56.	8.0	86
124	Modeling and evaluation of urban pollution events of atmospheric heavy metals from a large Cu-smelter. Science of the Total Environment, 2016, 539, 17-25.	8.0	65
125	Screening of biosurfactant-producing bacteria from offshore oil and gas platforms in North Atlantic Canada. Environmental Monitoring and Assessment, 2015, 187, 284.	2.7	17
126	Process simulation and dynamic control for marine oily wastewater treatment using UV irradiation. Water Research, 2015, 81, 101-112.	11.3	46

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127	Human SIRT3 tripeptidic inhibitors containing NÎµ-thioacetyl-lysine. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3481-3487.	2.2	16
128	Characteristics of 14C and 13C of carbonate aerosols in dust storm events in China. Atmospheric Research, 2015, 164-165, 297-303.	4.1	12
129	The chemical biology of sirtuins. Chemical Society Reviews, 2015, 44, 5246-5264.	38.1	115
130	Honey reduces blood alcohol concentration but not affects the level of serum MDA and GSH-Px activity in intoxicated male mice models. BMC Complementary and Alternative Medicine, 2015, 15, 225.	3.7	12
131	Vortex- and Shaker-Assisted Liquidâ€"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. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	28
132	Evaluating uncertainty estimates in distributed hydrological modeling for the Wenjing River watershed in China by GLUE, SUFI-2, and ParaSol methods. Ecological Engineering, 2015, 76, 110-121.	3.6	121
133	Using Statistical and Probabilistic Methods to Evaluate Health Risk Assessment: A Case Study. Toxics, 2014, 2, 291-306.	3.7	3
134	Simulation-Based Inexact Two-Stage Chance-Constraint Quadratic Programming for Sustainable Water Quality Management under Dual Uncertainties. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 298-312.	2.6	17
135	Optimizing Cr(VI) adsorption on activated carbon produced from heavy oil fly ash. Journal of Material Cycles and Waste Management, 2014, 16, 482-490.	3.0	15
136	Monte Carlo simulation-based dynamic mixed integer nonlinear programming for supporting oil recovery and devices allocation during offshore oil spill responses. Ocean and Coastal Management, 2014, 89, 58-70.	4.4	28
137	Study of weathering effects on the distribution of aromatic steroid hydrocarbons in crude oils and oil residues. Environmental Sciences: Processes and Impacts, 2014, 16, 2408-2414.	3.5	8
138	Screening of biosurfactant producers from petroleum hydrocarbon contaminated sources in cold marine environments. Marine Pollution Bulletin, 2014, 86, 402-410.	5.0	96
139	Parameter Uncertainty Analysis of Surface Flow and Sediment Yield in the Huolin Basin, China. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1224-1236.	1.9	37
140	Modeling of UV-Induced Photodegradation of Naphthalene in Marine Oily Wastewater by Artificial Neural Networks. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	34
141	A Monte Carlo simulation based two-stage adaptive resonance theory mapping approach for offshore oil spill vulnerability index classification. Marine Pollution Bulletin, 2014, 86, 434-442.	5.0	16
142	Naphthalene degradation in seawater by UV irradiation: The effects of fluence rate, salinity, temperature and initial concentration. Marine Pollution Bulletin, 2014, 81, 149-156.	5.0	53
143	Fingerprint and weathering characteristics of crude oils after Dalian oil spill, China. Marine Pollution Bulletin, 2013, 71, 64-68.	5.0	56
144	A hybrid fuzzy stochastic analytical hierarchy process (FSAHP) approach for evaluating ballast water treatment technologies. Environmental Systems Research, 2013, 2, .	3.7	24

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145	Monte Carlo Simulation–Aided Analytic Hierarchy Process Approach: Case Study of Assessing Preferred Non-Point-Source Pollution Control Best Management Practices. Journal of Environmental Engineering, ASCE, 2013, 139, 618-626.	1.4	25
146	A Hybrid Stochastic-Interval Analytic Hierarchy Process Approach for Prioritizing the Strategies of Reusing Treated Wastewater. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	16
147	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
148	A design of experiment aided sensitivity analysis and parameterization for hydrological modeling. Canadian Journal of Civil Engineering, 2012, 39, 460-472.	1.3	12
149	A review of ballast water management practices and challenges in harsh and arctic environments. Environmental Reviews, 2012, 20, 83-108.	4.5	45
150	Effects of calmodulin-dependent protein kinase II inhibitor, KN-93, on electrophysiological features of rabbit hypertrophic cardiac myocytes. Journal of Huazhong University of Science and Technology [Medical Sciences], 2012, 32, 485-489.	1.0	3
151	Investigation and Modelling of Subarctic Wetland Hydrology – A Case Study in the Deer River Watershed, Canada. , 2012, , 56-82.		0
152	FSILP: Fuzzy-stochastic-interval linear programming for supporting municipal solid waste management. Journal of Environmental Management, 2011, 92, 1198-1209.	7.8	43
153	Hydrological Modeling of Subartic Wetlands: Comparison Between SLURP and WATFLOOD. Environmental Engineering Science, 2011, 28, 521-533.	1.6	12
154	IRFAM: Integrated Rule-Based Fuzzy Adaptive Resonance Theory Mapping System for Watershed Modeling. Journal of Hydrologic Engineering - ASCE, 2011, 16, 21-32.	1.9	10
155	Risk Assessment of Ambient Air Quality by Stochastic-Based Fuzzy Approaches. Environmental Engineering Science, 2010, 27, 233-246.	1.6	12
156	A comparison study on distributed hydrological modelling of a subarctic wetland system. Procedia Environmental Sciences, 2010, 2, 1043-1049.	1.4	4
157	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
158	An Interval-Parameter Waste-Load-Allocation Model for River Water Quality Management Under Uncertainty. Environmental Management, 2009, 43, 999-1012.	2.7	64
159	IFMEP: an interval fuzzy multiobjective environmental planning model for urban systems. Civil Engineering and Environmental Systems, 2008, 25, 99-125.	0.9	12
160	Modeling Canopy Emission for Improving Pesticide Runoff Loss Simulation. , 2008, , .		0
161	ITOM: an interval-parameter two-stage optimization model for stochastic planning of water resources systems. Stochastic Environmental Research and Risk Assessment, 2005, 19, 125-133.	4.0	89
162	Pesticide-loss Simulation and Health Risk Assessment during the Flood Season in Watershed Systems. Water International, 2005, 30, 88-98.	1.0	8

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163	PeLM: Modeling of Pesticide-Losses Through Runoff and Sediment Transport. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2004, 39, 613-626.	1.5	8
164	GIS-based distributed model for simulating runoff and sediment load in the Malian River Basin. Hydrobiologia, 2003, 494, 127-134.	2.0	8
165	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
166	Progress of optical biosensors for analyzing pathogens and organic pollutants in water since 2015. Environmental Reviews, 0, , 1-18.	4.5	3
167	Ecotoxicity Studies for On-Site Disposal of Decant Water During Oil Spills: A Review. Frontiers in Environmental Science, 0, 10, .	3.3	0