Jingwen Chen

List of Publications by Year
in descending order

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374 papers	14,686 citations	25034 57 h-index	43889 91 g-index
378 all docs	378 docs citations	378 times ranked	12879 citing authors

#	Article	IF	Citations
1	Face maskâ€"A potential source of phthalate exposure for human. Journal of Hazardous Materials, 2022, 422, 126848.	12.4	49
2	Atmospheric Autoxidation of Organophosphate Esters. Environmental Science & Technology, 2022, 56, 6944-6955.	10.0	18
3	Machine learning models on chemical inhibitors of mitochondrial electron transport chain. Journal of Hazardous Materials, 2022, 426, 128067.	12.4	8
4	Potential Application of Machine-Learning-Based Quantum Chemical Methods in Environmental Chemistry. Environmental Science & Technology, 2022, 56, 2115-2123.	10.0	22
5	Building Pathways to a Sustainable Planet. ACS Sustainable Chemistry and Engineering, 2022, 10, 1-2.	6.7	1
6	Simulating and Predicting Adsorption of Organic Pollutants onto Black Phosphorus Nanomaterials. Nanomaterials, 2022, 12, 590.	4.1	4
7	Advances in In Silico Toxicity Assessment of Nanomaterials and Emerging Contaminants. , 2022, , 325-347.		1
8	Dissolved Organic Matter Enhanced the Aggregation and Oxidation of Nanoplastics under Simulated Sunlight Irradiation in Water. Environmental Science & Technology, 2022, 56, 3085-3095.	10.0	31
9	The role of organic acids in new particle formation from methanesulfonic acid and methylamine. Atmospheric Chemistry and Physics, 2022, 22, 2639-2650.	4.9	20
10	Graph Attention Network Model with Defined Applicability Domains for Screening PBT Chemicals. Environmental Science & Technology, 2022, 56, 6774-6785.	10.0	20
11	Use of dissociation degree in lysosomes to predict metal oxide nanoparticle toxicity in immune cells: Machine learning boosts nano-safety assessment. Environment International, 2022, 164, 107258.	10.0	10
12	Amine-Enhanced Methanesulfonic Acid-Driven Nucleation: Predictive Model and Cluster Formation Mechanism. Environmental Science & Technology, 2022, 56, 7751-7760.	10.0	13
13	Rapid and selective oxidation of refractory sulfur-containing micropollutants in water using Fe-TAML/H2O2. Applied Catalysis B: Environmental, 2022, 315, 121535.	20.2	4
14	Critical features identification for chemical chronic toxicity based on mechanistic forecast models. Environmental Pollution, 2022, 307, 119584.	7.5	1
15	Autoxidation mechanism for atmospheric oxidation of tertiary amines: Implications for secondary organic aerosol formation. Chemosphere, 2021, 273, 129207.	8.2	16
16	Development of classification models for predicting inhibition of mitochondrial fusion and fission using machine learning methods. Chemosphere, 2021, 273, 128567.	8.2	12
17	Interrelated effects of soils and compounds on persulfate oxidation of petroleum hydrocarbons in soils. Journal of Hazardous Materials, 2021, 408, 124845.	12.4	18
18	Polarizability and aromaticity index govern AhR-mediated potencies of PAHs: A QSAR with consideration of freely dissolved concentrations. Chemosphere, 2021, 268, 129343.	8.2	5

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19	Photochemistry of dissolved organic matter extracted from coastal seawater: Excited triplet-states and contents of phenolic moieties. Water Research, 2021, 188, 116568.	11.3	40
20	Organophosphate esters (OPEs) in wetland soil and Suaeda salsa from intertidal Laizhou Bay, North China: Levels, distribution, and soil-plant transfer model. Science of the Total Environment, 2021, 764, 142891.	8.0	22
21	Predicting the adsorption of organic pollutants on boron nitride nanosheets via in silico techniques: DFT computations and QSAR modeling. Environmental Science: Nano, 2021, 8, 795-805.	4.3	13
22	Prediction Models on pK_a and Base-Catalyzed Hydrolysis Kinetics of Parabens: Experimental and Quantum Chemical Studies. Environmental Science & Technology, 2021, 55, 6022-6031.	10.0	31
23	Integration of Computational Toxicology, Toxicogenomics Data Mining, and Omics Techniques to Unveil Toxicity Pathways. ACS Sustainable Chemistry and Engineering, 2021, 9, 4130-4138.	6.7	19
24	Atmospheric Chemistry of Allylic Radicals from Isoprene: A Successive Cyclization-Driven Autoxidation Mechanism. Environmental Science & Technology, 2021, 55, 4399-4409.	10.0	20
25	Expectations for Manuscripts Contributing to the Field on Management of Synthetic Chemicals in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 3376-3378.	6.7	4
26	Effect of UV/chlorine treatment on photophysical and photochemical properties of dissolved organic matter. Water Research, 2021, 192, 116857.	11.3	34
27	Developing QSAR Models with Defined Applicability Domains on PPARÎ³ Binding Affinity Using Large Data Sets and Machine Learning Algorithms. Environmental Science & Technology, 2021, 55, 6857-6866.	10.0	61
28	Heterogeneous Formation of HONO Catalyzed by CO₂. Environmental Science & Technology, 2021, 55, 12215-12222.	10.0	16
29	Screening and ecological risk of 1200 organic micropollutants in Yangtze Estuary water. Water Research, 2021, 201, 117341.	11.3	35
30	A review of environmental occurrence, analysis, bioaccumulation, and toxicity of organophosphate esters. Environmental Science and Pollution Research, 2021, 28, 49507-49528.	5.3	50
31	Tissue-Specific Accumulation, Biotransformation, and Physiologically Based Toxicokinetic Modeling of Benzotriazole Ultraviolet Stabilizers in Zebrafish (Danio rerio). Environmental Science & Technology, 2021, 55, 11874-11884.	10.0	37
32	Effects of accumulated straw residues on sorption of pesticides and antibiotics in soils with maize straw return. Journal of Hazardous Materials, 2021, 418, 126213.	12.4	14
33	Occurrence and ecological risks of 156 pharmaceuticals and 296 pesticides in seawater from mariculture areas of Northeast China. Science of the Total Environment, 2021, 792, 148375.	8.0	36
34	Human transthyretin binding affinity of halogenated thiophenols and halogenated phenols: An in vitro and in silico study. Chemosphere, 2021, 280, 130627.	8.2	7
35	Bioavailability for organic chemical bioaccumulation follows the power law. Environmental Pollution, 2021, 288, 117716.	7.5	4
36	Development and evaluation of a ceramic diffusive layer based DGT technique for measuring organic micropollutants in seawaters. Environment International, 2021, 156, 106653.	10.0	8

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37	Environmental Burdens of Chinaâ€™s Propylene manufacturing: Comparative life-cycle assessment and scenario analysis. Science of the Total Environment, 2021, 799, 149451.	8.0	24
38	Organic acid-ammonia ion-induced nucleation pathways unveiled by quantum chemical calculation and kinetics modeling: A case study of 3-methyl-1,2,3-butanetricarboxylic acid. Chemosphere, 2021, 284, 131354.	8.2	4
39	Sustainable Management of Synthetic Chemicals. ACS Sustainable Chemistry and Engineering, 2021, 9, 13703-13704.	6.7	3
40	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 16528-16530.	6.7	1
41	Desorption kinetics of tetracyclines in soils assessed by diffusive gradients in thin films. Environmental Pollution, 2020, 256, 113394.	7.5	17
42	Spinel-based ceramic membranes coupling solid sludge recycling with oily wastewater treatment. Water Research, 2020, 169, 115180.	11.3	66
43	Opposite pH-dependent roles of hydroxyl radicals in ozonation and UV photolysis of genistein. Science of the Total Environment, 2020, 709, 136243.	8.0	10
44	Distribution of organophosphate esters between the gas phase and PM2.5 in urban Dalian, China. Environmental Pollution, 2020, 259, 113882.	7.5	23
45	Atmospheric oxidation mechanism and kinetics of isoprene initiated by chlorine radicals: A computational study. Science of the Total Environment, 2020, 712, 136330.	8.0	24
46	Hydroxyl radical oxidation of cyclic methylsiloxanes D4 âˆ¼ D6 in aqueous phase. Chemosphere, 2020, 242, 125200.	8.2	2
47	Theoretical study of the hydration effects on alkylamine and alkanolamine clusters and the atmospheric implication. Chemosphere, 2020, 243, 125323.	8.2	15
48	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	6.7	6
49	Characteristics of halogenated flame retardants in the atmosphere of Dalian, China. Atmospheric Environment, 2020, 223, 117219.	4.1	5
50	Characteristics and risk assessment of organophosphorus flame retardants in urban road dust of Dalian, Northeast China. Science of the Total Environment, 2020, 705, 135995.	8.0	18
51	Effects of dissolved organic matter derived from freshwater and seawater on photodegradation of three antiviral drugs. Environmental Pollution, 2020, 258, 113700.	7.5	21
52	Insight into dynamics and bioavailability of antibiotics in paddy soils by in situ soil moisture sampler. Science of the Total Environment, 2020, 703, 135562.	8.0	21
53	Bioaccumulation, Biotransformation, and Multicompartmental Toxicokinetic Model of Antibiotics in Sea Cucumber (Apostichopus japonicus). Environmental Science & Technology, 2020, 54, 13175-13185.	10.0	28
54	Screening of 484 trace organic contaminants in coastal waters around the Liaodong Peninsula, China: Occurrence, distribution, and ecological risk. Environmental Pollution, 2020, 267, 115436.	7.5	16

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55	Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.	6.7	2
56	Diffusive gradients in thin films using molecularly imprinted polymer binding gels for in situ measurements of antibiotics in urban wastewaters. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	9
57	Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. Water Research, 2020, 185, 116241.	11.3	36
58	In situ measurement of synthetic musks in wastewaters using diffusive gradients in thin film technique. Water Research, 2020, 185, 116239.	11.3	11
59	Pet hair as a potential sentinel of human exposure: Investigating partitioning and exposures from OPEs and PAHs in indoor dust, air, and pet hair from China. Science of the Total Environment, 2020, 745, 140934.	8.0	19
60	Remembering Professor, Academician, and Editor Lina Zhang. ACS Sustainable Chemistry and Engineering, 2020, 8, 16385-16385.	6.7	0
61	Structural Effects of Amines in Enhancing Methanesulfonic Acid-Driven New Particle Formation. Environmental Science & Technology, 2020, 54, 13498-13508.	10.0	36
62	Occurrence and Health Risks of Organic Micro-Pollutants and Metals in Groundwater of Chinese Rural Areas. Environmental Health Perspectives, 2020, 128, 107010.	6.0	36
63	Formation of Low-Volatile Products and Unexpected High Formaldehyde Yield from the Atmospheric Oxidation of Methylsiloxanes. Environmental Science & Technology, 2020, 54, 7136-7145.	10.0	27
64	Occurrence and air-soil exchange of organophosphate flame retardants in the air and soil of Dalian, China. Environmental Pollution, 2020, 265, 114850.	7.5	30
65	Quantitative Structureâ€“Activity Relationship Models for Predicting Inflammatory Potential of Metal Oxide Nanoparticles. Environmental Health Perspectives, 2020, 128, 67010.	6.0	58
66	The Changing Structure of Scientific Communication: Expanding the Nature of Letters Submissions to ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 8469-8470.	6.7	0
67	Predicting plant cuticle-water partition coefficients for organic pollutants using pp-LFER model. Science of the Total Environment, 2020, 725, 138455.	8.0	12
68	Concerted Efforts Are Needed to Control and Mitigate Antibiotic Pollution in Coastal Waters of China. Antibiotics, 2020, 9, 88.	3.7	23
69	Formation Mechanisms of Iodineâ€“Ammonia Clusters in Polluted Coastal Areas Unveiled by Thermodynamics and Kinetic Simulations. Environmental Science & Technology, 2020, 54, 9235-9242.	10.0	18
70	Expectations for Manuscripts on Industrial Ecology in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 9599-9600.	6.7	2
71	Development of a quantitative structure-activity relationship model for mechanistic interpretation and quantum yield prediction of singlet oxygen generation from dissolved organic matter. Science of the Total Environment, 2020, 712, 136450.	8.0	16
72	Applicability Domains Enhance Application of PPARÎ³ Agonist Classifiers Trained by Drug-like Compounds to Environmental Chemicals. Chemical Research in Toxicology, 2020, 33, 1382-1388.	3.3	20

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73	CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. Environmental Health Perspectives, 2020, 128, 27002.	6.0	120
74	Role of hydrogen bond capacity of solvents in reactions of amines with CO2: A computational study. Journal of Environmental Sciences, 2020, 91, 271-278.	6.1	11
75	Underlying mechanisms of reactive oxygen species and oxidative stress photoinduced by graphene and its surface-functionalized derivatives. Environmental Science: Nano, 2020, 7, 782-792.	4.3	21
76	Development of models predicting biodegradation rate rating with multiple linear regression and support vector machine algorithms. Chemosphere, 2020, 253, 126666.	8.2	40
77	Discriminant models on mitochondrial toxicity improved by consensus modeling and resolving imbalance in training. Chemosphere, 2020, 253, 126768.	8.2	19
78	VideoTRM: Pre-training for Video Captioning Challenge 2020. , 2020, , .		6
79	Probing key organic substances driving new particle growth initiated by iodine nucleation in coastal atmosphere. Atmospheric Chemistry and Physics, 2020, 20, 9821-9835.	4.9	8
80	Mechanism and predictive model development of reaction rate constants for N-center radicals with O2. Chemosphere, 2019, 237, 124411.	8.2	8
81	Piperazine Enhancing Sulfuric Acid-Based New Particle Formation: Implications for the Atmospheric Fate of Piperazine. Environmental Science & Technology, 2019, 53, 8785-8795.	10.0	41
82	Trace amounts of fenofibrate acid sensitize the photodegradation of bezafibrate in effluents: Mechanisms, degradation pathways, and toxicity evaluation. Chemosphere, 2019, 235, 900-907.	8.2	26
83	Rate constants of hydroxyl radicals reaction with different dissociation species of fluoroquinolones and sulfonamides: Combined experimental and QSAR studies. Water Research, 2019, 166, 115083.	11.3	53
84	Bioaccumulation and Trophic Transfer of Emerging Organophosphate Flame Retardants in the Marine Food Webs of Laizhou Bay, North China. Environmental Science & Technology, 2019, 53, 13417-13426.	10.0	120
85	Methanesulfonic Acid-driven New Particle Formation Enhanced by Monoethanolamine: A Computational Study. Environmental Science & Technology, 2019, 53, 14387-14397.	10.0	50
86	Combined effects of dissolved organic matter, pH, ionic strength and halides on photodegradation of oxytetracycline in simulated estuarine waters. Environmental Sciences: Processes and Impacts, 2019, 21, 155-162.	3.5	20
87	Profile and source apportionment of volatile organic compounds from a complex industrial park. Environmental Sciences: Processes and Impacts, 2019, 21, 9-18.	3.5	13
88	Detecting antibiotic resistance genes and human potential pathogenic Bacteria in fishmeal by culture-independent method. Environmental Science and Pollution Research, 2019, 26, 8665-8674.	5.3	10
89	Xenobiotic Metabolism by Cytochrome P450 Enzymes: Insights Gained from Molecular Simulations. Challenges and Advances in Computational Chemistry and Physics, 2019, , 337-364.	0.6	1
90	Background, Tasks, Modeling Methods, and Challenges for Computational Toxicology. Challenges and Advances in Computational Chemistry and Physics, 2019, , 15-36.	0.6	2

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91	Uptake and depuration of eight fluoroquinolones (FQs) in common carp (Cyprinus carpio). Ecotoxicology and Environmental Safety, 2019, 180, 202-207.	6.0	24
92	Grand canonical Monte Carlo simulation on adsorption of aniline on the ice surface. Journal of Molecular Liquids, 2019, 290, 111221.	4.9	11
93	Emerging Polar Phenolic Disinfection Byproducts Are High-Affinity Human Transthyretin Disruptors: An in Vitro and in Silico Study. Environmental Science & Technology, 2019, 53, 7019-7028.	10.0	32
94	Photodegradation of 2-(2-hydroxy-5-methylphenyl)benzotriazole (UV-P) in coastal seawaters: Important role of DOM. Journal of Environmental Sciences, 2019, 85, 129-137.	6.1	26
95	Development of a Passive Sampling Technique for Measuring Pesticides in Waters and Soils. Journal of Agricultural and Food Chemistry, 2019, 67, 6397-6406.	5.2	28
96	Polyurethane heat preservation materials: The significant sources of organophosphorus flame retardants. Chemosphere, 2019, 227, 409-415.	8.2	26
97	Health Risks of Polybrominated Diphenyl Ethers (PBDEs) and Metals at Informal Electronic Waste Recycling Sites. International Journal of Environmental Research and Public Health, 2019, 16, 906.	2.6	34
98	Development of a nano-QSPR model to predict band gaps of spherical metal oxide nanoparticles. RSC Advances, 2019, 9, 8426-8434.	3.6	9
99	Development of Prediction Models on Base-Catalyzed Hydrolysis Kinetics of Phthalate Esters with Density Functional Theory Calculation. Environmental Science & Technology, 2019, 53, 5828-5837.	10.0	41
100	Presence and environmental risk assessment of selected antibiotics in coastal water adjacent to mariculture areas in the Bohai Sea. Ecotoxicology and Environmental Safety, 2019, 177, 117-123.	6.0	63
101	Hydrophobic Organic Pollutants in Soils and Dusts at Electronic Waste Recycling Sites: Occurrence and Possible Impacts of Polybrominated Diphenyl Ethers. International Journal of Environmental Research and Public Health, 2019, 16, 360.	2.6	20
102	Uptake and metabolism of clarithromycin and sulfadiazine in lettuce. Environmental Pollution, 2019, 247, 1134-1142.	7.5	54
103	Modeling adsorption of organic pollutants onto single-walled carbon nanotubes with theoretical molecular descriptors using MLR and SVM algorithms. Chemosphere, 2019, 214, 79-84.	8.2	35
104	Quantitative structure-activity relationship models for predicting reaction rate constants of organic contaminants with hydrated electrons and their mechanistic pathways. Water Research, 2019, 151, 468-477.	11.3	61
105	Disparate effects of DOM extracted from coastal seawaters and freshwaters on photodegradation of 2,4-Dihydroxybenzophenone. Water Research, 2019, 151, 280-287.	11.3	59
106	pHâ€Ðependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. Angewandte Chemie - International Edition, 2019, 58, 467-471.	13.8	60
107	Development of cerium oxide-based diffusive gradients in thin films technique for in-situ measurement of dissolved inorganic arsenic in waters. Analytica Chimica Acta, 2019, 1052, 65-72.	5.4	12
108	Physiologically based toxicokinetics (PBTK) models for pharmaceuticals and personal care products in wild common carp (Cyprinus carpio). Chemosphere, 2019, 220, 793-801.	8.2	11

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109	Source apportionment of polycyclic aromatic hydrocarbons (PAHs) in the air of Dalian, China: Correlations with six criteria air pollutants and meteorological conditions. Chemosphere, 2019, 216, 516-523.	8.2	47
110	Seasonal variation, air-water exchange, and multivariate source apportionment of polycyclic aromatic hydrocarbons in the coastal area of Dalian, China. Environmental Pollution, 2019, 244, 405-413.	7.5	40
111	Occurrence, distribution and ecological risks of antibiotics and pesticides in coastal waters around Liaodong Peninsula, China. Science of the Total Environment, 2019, 656, 946-951.	8.0	99
112	Bacterial community variations in paddy soils induced by application of veterinary antibiotics in plant-soil systems. Ecotoxicology and Environmental Safety, 2019, 167, 44-53.	6.0	50
113	Kinetics and mechanism of OH-initiated atmospheric oxidation of organophosphorus plasticizers: A computational study on tri-p-cresyl phosphate. Chemosphere, 2018, 201, 557-563.	8.2	29
114	Investigation and application of diffusive gradients in thin-films technique for measuring endocrine disrupting chemicals in seawaters. Chemosphere, 2018, 200, 351-357.	8.2	48
115	Aqueous OH Radical Reaction Rate Constants for Organophosphorus Flame Retardants and Plasticizers: Experimental and Modeling Studies. Environmental Science & Technology, 2018, 52, 2790-2799.	10.0	67
116	Photolysis mechanism of sulfonamide moiety in five-membered sulfonamides: A DFT study. Chemosphere, 2018, 197, 569-575.	8.2	46
117	Bioaccumulation and tissue distribution of antibiotics in wild marine fish from Laizhou Bay, North China. Science of the Total Environment, 2018, 631-632, 1398-1405.	8.0	67
118	Halogenated flame retardants in building and decoration materials in China: Implications for human exposure via inhalation and dust ingestion. Chemosphere, 2018, 203, 291-299.	8.2	18
119	Modeling photodegradation kinetics of organic micropollutants in water bodies: A case of the Yellow River estuary. Journal of Hazardous Materials, 2018, 349, 60-67.	12.4	54
120	Determination of 21 antibiotics in sea cucumber using accelerated solvent extraction with in-cell clean-up coupled to ultra-performance liquid chromatography-tandem mass spectrometry. Food Chemistry, 2018, 258, 87-94.	8.2	27
121	Development and evaluation of diffusive gradients in thin films technique for measuring antibiotics in seawater. Science of the Total Environment, 2018, 618, 1605-1612.	8.0	53
122	Photophysical and photochemical insights into the photodegradation of sulfapyridine in water: A joint experimental and theoretical study. Chemosphere, 2018, 191, 1021-1027.	8.2	21
123	Benchmarking of DFT functionals for the kinetics and mechanisms of atmospheric addition reactions of OH radicals with phenyl and substituted phenylâ€based organic pollutants. International Journal of Quantum Chemistry, 2018, 118, e25533.	2.0	14
124	Deep learning for predicting toxicity of chemicals: a mini review. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2018, 36, 252-271.	2.9	61
125	Image Blind Denoising with Generative Adversarial Network Based Noise Modeling. , 2018, , .		342
126	Quantum chemical simulations revealed the toxicokinetic mechanisms of organic phosphorus flame retardants catalyzed by P450 enzymes. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2018, 36, 272-291.	2.9	2

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127	pHâ€Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. Angewandte Chemie, 2018, 131, 477.	2.0	9
128	Effects of lomefloxacin on survival, growth and reproduction of Daphnia magna under simulated sunlight radiation. Ecotoxicology and Environmental Safety, 2018, 166, 63-70.	6.0	11
129	A molecular-scale study on the hydration of sulfuric acid-amide complexes and the atmospheric implication. Chemosphere, 2018, 213, 453-462.	8.2	18
130	Investigation of antibiotics in sea cucumbers: occurrence, pollution characteristics, and human risk assessment. Environmental Science and Pollution Research, 2018, 25, 32081-32087.	5.3	14
131	Exploring adsorption of neutral aromatic pollutants onto graphene nanomaterials via molecular dynamics simulations and theoretical linear solvation energy relationships. Environmental Science: Nano, 2018, 5, 2117-2128.	4.3	22
132	Combined impact of fishmeal and tetracycline on resistomes in mariculture sediment. Environmental Pollution, 2018, 242, 1711-1719.	7.5	27
133	Atmospheric Oxidation of Piperazine Initiated by Â·Cl: Unexpected High Nitrosamine Yield. Environmental Science & Technology, 2018, 52, 9801-9809.	10.0	45
134	Occurrence, distribution, and air-water exchange of organophosphorus flame retardants in a typical coastal area of China. Chemosphere, 2018, 211, 335-344.	8.2	36
135	Molecular understanding of the interaction of amino acids with sulfuric acid in the presence of water and the atmospheric implication. Chemosphere, 2018, 210, 215-223.	8.2	28
136	Unveiling the important roles of coexisting contaminants on photochemical transformations of pharmaceuticals: Fibrate drugs as a case study. Journal of Hazardous Materials, 2018, 358, 216-221.	12.4	19
137	DOM from mariculture ponds exhibits higher reactivity on photodegradation of sulfonamide antibiotics than from offshore seawaters. Water Research, 2018, 144, 365-372.	11.3	70
138	Diffusive gradients in thin films based on MOF-derived porous carbon binding gel for in-situ measurement of antibiotics in waters. Science of the Total Environment, 2018, 645, 482-490.	8.0	37
139	Phototransformation of 2,3-Dibromopropyl-2,4,6-tribromophenyl ether (DPTE) in Natural Waters: Important Roles of Dissolved Organic Matter and Chloride Ion. Environmental Science & Technology, 2018, 52, 10490-10499.	10.0	73
140	Enhanced adsorption of aromatic chemicals on boron and nitrogen co-doped single-walled carbon nanotubes. Environmental Science: Nano, 2017, 4, 558-564.	4.3	31
141	Photochemical reactions between bromophenols and hydroxyl radical generated in aqueous solution: A laser flash photolysis study. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 336, 63-68.	3.9	13
142	Characterization of PBDEs and novel brominated flame retardants in seawater near a coastal mariculture area of the Bohai Sea, China. Science of the Total Environment, 2017, 580, 1446-1452.	8.0	51
143	The degradation mechanism of sulfamethoxazole under ozonation: a DFT study. Environmental Sciences: Processes and Impacts, 2017, 19, 379-387.	3.5	23
144	Development of polyparameter linear free energy relationship models for octanolâ€“air partition coefficients of diverse chemicals. Environmental Sciences: Processes and Impacts, 2017, 19, 300-306.	3.5	15

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145	Antibiotic Pollution in Marine Food Webs in Laizhou Bay, North China: Trophodynamics and Human Exposure Implication. Environmental Science & Technology, 2017, 51, 2392-2400.	10.0	156
146	Atmospheric chemical reaction mechanism and kinetics of 1,2-bis(2,4,6-tribromophenoxy)ethane initiated by OH radical: a computational study. RSC Advances, 2017, 7, 9484-9494.	3.6	11
147	Development of a QSAR model for predicting aqueous reaction rate constants of organic chemicals with hydroxyl radicals. Environmental Sciences: Processes and Impacts, 2017, 19, 350-356.	3.5	38
148	Highly sensitive detection of Cr(VI) by reduced graphene oxide chemiresistor and 1,4-dithiothreitol functionalized Au nanoparticles. Sensors and Actuators B: Chemical, 2017, 247, 265-272.	7.8	38
149	Computational Study of the Reactions of Chlorine Radicals with Atmospheric Organic Compounds Featuring NH_xâ€“Ï€-Bond (x = 1, 2) Structures. Journal of Physical Chemistry A, 2017, 121, 1657-1665.	2.5	27
150	Antibiotics in a general population: Relations with gender, body mass index (BMI) and age and their human health risks. Science of the Total Environment, 2017, 599-600, 298-304.	8.0	40
151	Photoinduced formation of reactive oxygen species and electrons from metal oxideâ€“silica nanocomposite: An EPR spin-trapping study. Applied Surface Science, 2017, 416, 281-287.	6.1	36
152	Different binding mechanisms of neutral and anionic poly-/perfluorinated chemicals to human transthyretin revealed by In silico models. Chemosphere, 2017, 182, 574-583.	8.2	28
153	Effects of Atmospheric Water on Â·OH-initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCPP. Environmental Science & Technology, 2017, 51, 5043-5051.	10.0	78
154	Antibiotics in the coastal water of the South Yellow Sea in China: Occurrence, distribution and ecological risks. Science of the Total Environment, 2017, 595, 521-527.	8.0	213
155	Ferrate(<scp>vi</scp>) initiated oxidative degradation mechanisms clarified by DFT calculations: a case for sulfamethoxazole. Environmental Sciences: Processes and Impacts, 2017, 19, 370-378.	3.5	16
156	Fishmeal Application Induces Antibiotic Resistance Gene Propagation in Mariculture Sediment. Environmental Science & Technology, 2017, 51, 10850-10860.	10.0	100
157	Unveiling Adsorption Mechanisms of Organic Pollutants onto Carbon Nanomaterials by Density Functional Theory Computations and Linear Free Energy Relationship Modeling. Environmental Science & Technology, 2017, 51, 11820-11828.	10.0	38
158	Organophosphorus Flame Retardants and Plasticizers in Building and Decoration Materials and Their Potential Burdens in Newly Decorated Houses in China. Environmental Science & Technology, 2017, 51, 10991-10999.	10.0	93
159	PAHs accelerate the propagation of antibiotic resistance genes in coastal water microbial community. Environmental Pollution, 2017, 231, 1145-1152.	7.5	80
160	Adsorption of Nitrobenzene on the Surface of Ice: A Grand Canonical Monte Carlo Simulation Study. Journal of Physical Chemistry C, 2017, 121, 15746-15755.	3.1	16
161	Association of polybrominated diphenylethers (PBDEs) and hydroxylated metabolites (OH-PBDEs) serum levels with thyroid function in thyroid cancer patients. Environmental Research, 2017, 159, 1-8.	7.5	36
162	Time-gated luminescence imaging of singlet oxygen photoinduced by fluoroquinolones and functionalized graphenes in Daphnia magna. Aquatic Toxicology, 2017, 191, 105-112.	4.0	13

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163	Determination and prediction of octanol-air partition coefficients for organophosphate flame retardants. Ecotoxicology and Environmental Safety, 2017, 145, 283-288.	6.0	24
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