Jingwen Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	External Validation and Prediction Employing the Predictive Squared Correlation Coefficient — Test Set Activity Mean vs Training Set Activity Mean. Journal of Chemical Information and Modeling, 2008, 48, 2140-2145.	5.4	461
2	Performance of nano-Co3O4/peroxymonosulfate system: Kinetics and mechanism study using Acid Orange 7 as a model compound. Applied Catalysis B: Environmental, 2008, 80, 116-121.	20.2	380
3	Image Blind Denoising with Generative Adversarial Network Based Noise Modeling. , 2018, , .		342
4	Aquatic Photochemistry of Fluoroquinolone Antibiotics: Kinetics, Pathways, and Multivariate Effects of Main Water Constituents. Environmental Science & Technology, 2010, 44, 2400-2405.	10.0	261
5	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
6	Hormone Activity of Hydroxylated Polybrominated Diphenyl Ethers on Human Thyroid Receptor-β: <i>In Vitro</i> and <i>In Silico</i> Investigations. Environmental Health Perspectives, 2010, 118, 602-606.	6.0	211
7	Adsorption mechanism-based screening of cyclodextrin polymers for adsorption and separation of pesticides from water. Water Research, 2011, 45, 3499-3511.	11.3	187
8	An electrochemical sensor based on molecularly imprinted polypyrrole/graphene quantum dots composite for detection of bisphenol A in water samples. Sensors and Actuators B: Chemical, 2016, 233, 599-606.	7.8	187
9	Distribution and sources of polycyclic aromatic hydrocarbons from urban to rural soils: A case study in Dalian, China. Chemosphere, 2007, 68, 965-971.	8.2	184
10	Insights into aquatic toxicities of the antibiotics oxytetracycline and ciprofloxacin in the presence of metal: Complexation versus mixture. Environmental Pollution, 2012, 166, 48-56.	7.5	178
11	A Review of the Properties and Processes Determining the Fate of Engineered Nanomaterials in the Aquatic Environment. Critical Reviews in Environmental Science and Technology, 2015, 45, 2084-2134.	12.8	172
12	Bioaccumulation and Trophic Transfer of Short Chain Chlorinated Paraffins in a Marine Food Web from Liaodong Bay, North China. Environmental Science & Technology, 2014, 48, 5964-5971.	10.0	160
13	Light-Source-Dependent Effects of Main Water Constituents on Photodegradation of Phenicol Antibiotics: Mechanism and Kinetics. Environmental Science & Technology, 2009, 43, 3101-3107.	10.0	157
14	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
15	Distinct Photolytic Mechanisms and Products for Different Dissociation Species of Ciprofloxacin. Environmental Science & Technology, 2013, 47, 4284-4290.	10.0	152
16	Nutrients, heavy metals and microbial communities co-driven distribution of antibiotic resistance genes in adjacent environment ofÂmariculture. Environmental Pollution, 2017, 220, 909-918.	7.5	137
17	Kinetics of oxidative decolorization and mineralization of Acid Orange 7 by dark and photoassisted Co2+-catalyzed peroxymonosulfate system. Chemosphere, 2007, 67, 802-808.	8.2	131
18	Enhancement of hexavalent chromium reduction and electricity production from a biocathode microbial fuel cell. Bioprocess and Biosystems Engineering, 2010, 33, 937-945.	3.4	129

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19	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
20	CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. Environmental Health Perspectives, 2020, 128, 27002.	6.0	120
21	An electrochemically enhanced solid-phase microextraction approach based on molecularly imprinted polypyrrole/multi-walled carbon nanotubes composite coating for selective extraction of fluoroquinolones in aqueous samples. Analytica Chimica Acta, 2012, 727, 26-33.	5.4	119
22	Sources and seasonal variation of atmospheric polycyclic aromatic hydrocarbons in Dalian, China: Factor analysis with non-negative constraints combined with local source fingerprints. Atmospheric Environment, 2009, 43, 2747-2753.	4.1	112
23	Preparation of molecularly imprinted polymer nanoparticles for selective removal of fluoroquinolone antibiotics in aqueous solution. Journal of Hazardous Materials, 2013, 244-245, 750-757.	12.4	102
24	Fishmeal Application Induces Antibiotic Resistance Gene Propagation in Mariculture Sediment. Environmental Science & Technology, 2017, 51, 10850-10860.	10.0	100
25	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
26	Disappearance of polycyclic aromatic hydrocarbons sorbed on surfaces of pine [Pinua thunbergii] needles under irradiation of sunlight: Volatilization and photolysis. Atmospheric Environment, 2005, 39, 4583-4591.	4.1	98
27	Occurrence, removal, and risk assessment of antibiotics in 12 wastewater treatment plants from Dalian, China. Environmental Science and Pollution Research, 2017, 24, 16478-16487.	5.3	96
28	Quantum Chemical Investigation and Experimental Verification on the Aquatic Photochemistry of the Sunscreen 2-Phenylbenzimidazole-5-Sulfonic Acid. Environmental Science & Technology, 2010, 44, 7484-7490.	10.0	94
29	Polycyclic aromatic hydrocarbons in Dalian soils: distribution and toxicity assessment. Journal of Environmental Monitoring, 2007, 9, 199-204.	2.1	93
30	Quantum Chemical Investigation on the Mechanism and Kinetics of PBDE Photooxidation by ·OH: A Case Study for BDE-15. Environmental Science & Technology, 2011, 45, 4839-4845.	10.0	93
31	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
32	Preparation and evaluation of molecularly imprinted solid-phase microextraction fibers for selective extraction of bisphenol A in complex samples. Journal of Chromatography A, 2009, 1216, 5647-5654.	3.7	90
33	Aquatic toxicity of nanosilver colloids to different trophic organisms: Contributions of particles and free silver ion. Environmental Toxicology and Chemistry, 2012, 31, 2408-2413.	4.3	89
34	Atmospheric Chemical Reactions of Monoethanolamine Initiated by OH Radical: Mechanistic and Kinetic Study. Environmental Science & Technology, 2014, 48, 1700-1706.	10.0	89
35	Carbon and Electron Fluxes during the Electricity Driven 1,3-Propanediol Biosynthesis from Glycerol. Environmental Science & Technology, 2013, 47, 11199-11205.	10.0	86
36	Photolysis of polycyclic aromatic hydrocarbons adsorbed on spruce [Picea abies (L.) Karst.] needles under sunlight irradiation. Environmental Pollution, 2003, 123, 39-45.	7.5	83

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37	Occurrence and gas/particle partitioning of short- and medium-chain chlorinated paraffins in the atmosphere of Fildes Peninsula of Antarctica. Atmospheric Environment, 2014, 90, 10-15.	4.1	81
38	Enhancement of p,p′-DDT photodegradation on soil surfaces using TiO2 induced by UV-light. Chemosphere, 2005, 60, 266-273.	8.2	80
39	PAHs accelerate the propagation of antibiotic resistance genes in coastal water microbial community. Environmental Pollution, 2017, 231, 1145-1152.	7.5	80
40	Effects of Atmospheric Water on ·OH-initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCPP. Environmental Science & Technology, 2017, 51, 5043-5051.	10.0	78
41	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
42	Source apportionment of PAHs in atmospheric particulates of Dalian: Factor analysis with nonnegative constraints and emission inventory analysis. Atmospheric Environment, 2006, 40, 6666-6675.	4.1	72
43	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
44	Cation–Pi Interaction: A Key Force for Sorption of Fluoroquinolone Antibiotics on Pyrogenic Carbonaceous Materials. Environmental Science & Technology, 2017, 51, 13659-13667.	10.0	69
45	Long-term results of ammonia removal and transformation by biofiltration. Journal of Hazardous Materials, 2000, 80, 259-269.	12.4	67
46	Predicting Gaseous Reaction Rates of Short Chain Chlorinated Paraffins with ·OH: Overcoming the Difficulty in Experimental Determination. Environmental Science & Technology, 2014, 48, 13808-13816.	10.0	67
47	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
48	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
49	Spinel-based ceramic membranes coupling solid sludge recycling with oily wastewater treatment. Water Research, 2020, 169, 115180.	11.3	66
50	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
51	Photodegradation mechanism of sulfonamides with excited triplet state dissolved organic matter: A case of sulfadiazine with 4-carboxybenzophenone as a proxy. Journal of Hazardous Materials, 2015, 290, 9-15.	12.4	62
52	Quantitative structure–property relationships for octanol–air partition coefficients of polychlorinated biphenyls. Chemosphere, 2002, 48, 535-544.	8.2	61
53	Predicting rate constants of hydroxyl radical reactions with organic pollutants: Algorithm, validation, applicability domain, and mechanistic interpretation. Atmospheric Environment, 2009, 43, 1131-1135.	4.1	61
54	How PBDEs Are Transformed into Dihydroxylated and Dioxin Metabolites Catalyzed by the Active Center of Cytochrome P450s: A DFT Study. Environmental Science & Technology, 2016, 50, 8155-8163.	10.0	61

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55	Organophosphate esters in sediment cores from coastal Laizhou Bay of the Bohai Sea, China. Science of the Total Environment, 2017, 607-608, 103-108.	8.0	61
56	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
57	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
58	Developing QSAR Models with Defined Applicability Domains on PPARÎ ³ Binding Affinity Using Large Data Sets and Machine Learning Algorithms. Environmental Science & Technology, 2021, 55, 6857-6866.	10.0	61
59	pHâ€Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. Angewandte Chemie - International Edition, 2019, 58, 467-471.	13.8	60
60	Assessment of a model of pollution disaster in near-shore coastal waters based on catastrophe theory. Ecological Modelling, 2011, 222, 307-312.	2.5	59
61	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
62	Uptake of perfluorooctane sulfonate (PFOS) by wheat (Triticum aestivum L) plant. Chemosphere, 2013, 91, 139-144.	8.2	58
63	Quantum Chemical Study on ·Cl-Initiated Atmospheric Degradation of Monoethanolamine. Environmental Science & Technology, 2015, 49, 13246-13255.	10.0	58
64	Quantitative Structure–Activity Relationship Models for Predicting Inflammatory Potential of Metal Oxide Nanoparticles. Environmental Health Perspectives, 2020, 128, 67010.	6.0	58
65	Important role of reaction field in photodegradation of deca-bromodiphenyl ether: Theoretical and experimental investigations of solvent effects. Chemosphere, 2009, 76, 1486-1490.	8.2	57
66	Effects of halide ions on photodegradation of sulfonamide antibiotics: Formation of halogenated intermediates. Water Research, 2016, 102, 405-412.	11.3	57
67	Photodegradation of PCDD/Fs adsorbed on spruce (Picea abies (L.) Karst.) needles under sunlight irradiation. Chemosphere, 2003, 50, 1217-1225.	8.2	56
68	Simulating Adsorption of Organic Pollutants on Finite (8,0) Single-Walled Carbon Nanotubes in Water. Environmental Science & Technology, 2012, 46, 8887-8894.	10.0	56
69	A microbial fuel cell–electroâ€oxidation system for coking wastewater treatment and bioelectricity generation. Journal of Chemical Technology and Biotechnology, 2010, 85, 621-627.	3.2	54
70	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
71	Uptake and metabolism of clarithromycin and sulfadiazine in lettuce. Environmental Pollution, 2019, 247, 1134-1142.	7.5	54
72	Is it possible to develop a QSPR model for direct photolysis half-lives of PAHs under irradiation of sunlight?. Environmental Pollution, 2001, 114, 137-143.	7.5	53

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73	Congener-specific distribution and bioaccumulation of short-chain chlorinated paraffins in sediments and bivalves of the Bohai Sea, China. Marine Pollution Bulletin, 2014, 79, 299-304.	5.0	53
74	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
75	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
76	Simultaneous removal of ethyl acetate and toluene in air streams using compost-based biofilters. Journal of Hazardous Materials, 2002, 95, 199-213.	12.4	52
77	Synergetic degradation of 2,4-D by integrated photo- and electrochemical catalysis on a Pt doped TiO2/Ti electrode. Separation and Purification Technology, 2004, 34, 73-79.	7.9	52
78	Different photolysis kinetics and photooxidation reactivities of neutral and anionic hydroxylated polybrominated diphenyl ethers. Chemosphere, 2013, 90, 188-194.	8.2	52
79	Global Liver Proteome Analysis Using iTRAQ Labeling Quantitative Proteomic Technology to Reveal Biomarkers in Mice Exposed to Perfluorooctane Sulfonate (PFOS). Environmental Science & Technology, 2012, 46, 12170-12177.	10.0	51
80	Screening and health risk of organic micropollutants in rural groundwater of Liaodong Peninsula, China. Environmental Pollution, 2016, 218, 739-748.	7.5	51
81	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
82	Selective detection of nanomolar Cr(<scp>vi</scp>) in aqueous solution based on 1,4-dithiothreitol functionalized gold nanoparticles. Analytical Methods, 2011, 3, 343-347.	2.7	50
83	Photolysis of three antiviral drugs acyclovir, zidovudine and lamivudine in surface freshwater and seawater. Chemosphere, 2015, 138, 792-797.	8.2	50
84	Methanesulfonic Acid-driven New Particle Formation Enhanced by Monoethanolamine: A Computational Study. Environmental Science & Technology, 2019, 53, 14387-14397.	10.0	50
85	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
86	A review of environmental occurrence, analysis, bioaccumulation, and toxicity of organophosphate esters. Environmental Science and Pollution Research, 2021, 28, 49507-49528.	5.3	50
87	Distribution of PAHs in pine (<i>Pinus thunbergii</i>) needles and soils correlates with their gas-particle partitioning. Environmental Science & amp; Technology, 2009, 43, 1336-1341.	10.0	49
88	Photochemical transformation of sunscreen agent benzophenone-3 and its metabolite in surface freshwater and seawater. Chemosphere, 2016, 153, 494-499.	8.2	49
89	Face mask—A potential source of phthalate exposure for human. Journal of Hazardous Materials, 2022, 422, 126848.	12.4	49
90	A structure-based investigation on the binding interaction of hydroxylated polycyclic aromatic hydrocarbons with DNA. Toxicology, 2009, 262, 250-257.	4.2	48

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91	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

Biological uptake and depuration of sulfadiazine and sulfamethoxazole in common carp (Cyprinus) Tj ETQq0 0 0 rg B_{2}^{T} /Overlock 10 Tf 50

93	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
94	Insights into photolytic mechanism of sulfapyridine induced by triplet-excited dissolved organic matter. Chemosphere, 2016, 147, 305-310.	8.2	46
95	Photolysis mechanism of sulfonamide moiety in five-membered sulfonamides: A DFT study. Chemosphere, 2018, 197, 569-575.	8.2	46
96	Correlation between photolysis rate constants of polycyclic aromatic hydrocarbons and frontier molecular orbital energy. Chemosphere, 1996, 33, 1143-1150.	8.2	45
97	Phytotoxicity of PFOS and PFOA to Brassica chinensis in different Chinese soils. Ecotoxicology and Environmental Safety, 2011, 74, 1343-1347.	6.0	45
98	Toxicity profile of labile preservative bronopol in water: The role of more persistent and toxic transformation products. Environmental Pollution, 2011, 159, 609-615.	7.5	45
99	Polybrominated diphenyl ethers in soils of the modern Yellow River Delta, China: Occurrence, distribution and inventory. Chemosphere, 2012, 88, 791-797.	8.2	45
100	Development of a model for predicting reaction rate constants of organic chemicals with ozone at different temperatures. Chemosphere, 2013, 92, 1029-1034.	8.2	45
101	Development of a model for predicting hydroxyl radical reaction rate constants of organic chemicals at different temperatures. Chemosphere, 2014, 95, 613-618.	8.2	45
102	Atmospheric Oxidation of Piperazine Initiated by ·Cl: Unexpected High Nitrosamine Yield. Environmental Science & Technology, 2018, 52, 9801-9809.	10.0	45
103	Computational Toxicological Investigation on the Mechanism and Pathways of Xenobiotics Metabolized by Cytochrome P450: A Case of BDE-47. Environmental Science & Technology, 2012, 46, 5126-5133.	10.0	44
104	Quantitative predictive models for octanol–air partition coefficients of polybrominated diphenyl ethers at different temperatures. Chemosphere, 2003, 51, 577-584.	8.2	43
105	Different effects of humic substances on photodegradation of p,p′-DDT on soil surfaces in the presence of TiO2 under UV and visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 167, 177-183.	3.9	43
106	Quantitative structure–property relationships on photolysis of PCDD/Fs adsorbed to spruce (Picea) Tj ETQq0 C	0 o rgBT /O	verlock 10

107	Quantitative structure–property relationship studies on n-octanol/water partitioning coefficients of PCDD/Fs. Chemosphere, 2001, 44, 1369-1374.	8.2	42
108	Quantitative structure–property relationship studies on direct photolysis of selected polycyclic aromatic hydrocarbons in atmospheric aerosol. Chemosphere, 2001, 42, 263-270.	8.2	41

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109	Bioaccumulation and trophic transfer of polybrominated diphenyl ethers (PBDEs) in a marine food web from Liaodong Bay, North China. Marine Pollution Bulletin, 2013, 74, 110-115.	5.0	41
110	Recyclable Capture and Destruction of Aqueous Micropollutants Using the Molecule-Specific Cavity of Cyclodextrin Polymer Coupled with KMnO ₄ Oxidation. Environmental Science & Technology, 2015, 49, 9264-9272.	10.0	41
111	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
112	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
113	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
114	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
115	Development of models predicting biodegradation rate rating with multiple linear regression and support vector machine algorithms. Chemosphere, 2020, 253, 126666.	8.2	40
116	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
117	Theoretical Investigation on the Different Reaction Mechanisms of Aqueous 2-Amino-2-methyl-1-propanol and Monoethanolamine with CO ₂ . Industrial & Engineering Chemistry Research, 2014, 53, 3363-3372.	3.7	39
118	Prediction of Hydrolysis Pathways and Kinetics for Antibiotics under Environmental pH Conditions: A Quantum Chemical Study on Cephradine. Environmental Science & Technology, 2015, 49, 1552-1558.	10.0	39
119	Predicting anti-androgenic activity of bisphenols using molecular docking and quantitative structure-activity relationships. Chemosphere, 2016, 163, 373-381.	8.2	39
120	Triazines in the aquatic systems of the Eastern Chinese Rivers Liao-He and Yangtse. Chemosphere, 2002, 47, 455-466.	8.2	38
121	QSPR models for physicochemical properties of polychlorinated diphenyl ethers. Science of the Total Environment, 2003, 305, 65-76.	8.0	38
122	C60-DOM interactions and effects on C60 apparent solubility: A molecular mechanics and density functional theory study. Environment International, 2011, 37, 1078-1082.	10.0	38
123	In silico model for predicting soil organic carbon normalized sorption coefficient (KOC) of organic chemicals. Chemosphere, 2015, 119, 438-444.	8.2	38
124	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
125	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
126	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

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127	Toluene vapour degradation and microbial community in biofilter at various moisture content. Process Biochemistry, 2002, 38, 109-113.	3.7	37
128	Application of a level IV fugacity model to simulate the long-term fate of hexachlorocyclohexane isomers in the lower reach of Yellow River basin, China. Chemosphere, 2009, 74, 370-376.	8.2	37
129	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
130	Tissue-Specific Accumulation, Biotransformation, and Physiologically Based Toxicokinetic Modeling of Benzotriazole Ultraviolet Stabilizers in Zebrafish (<i>Danio rerio</i>). Environmental Science & Technology, 2021, 55, 11874-11884.	10.0	37
131	Timeâ€dependent density functional theory study on the electronic excitedâ€state hydrogenâ€bonding dynamics of 4â€aminophthalimide (4AP) in aqueous solution: 4AP and 4AP–(H ₂ O) _{1,2} clusters. Journal of Computational Chemistry, 2010, 31, 2157-2163.	3.3	36
132	Effects of excited-state structures and properties on photochemical degradation of polybrominated diphenyl ethers: A TDDFT study. Chemosphere, 2012, 88, 33-38.	8.2	36
133	A practical approach to determine dose metrics for nanomaterials. Environmental Toxicology and Chemistry, 2015, 34, 1015-1022.	4.3	36
134	Photoinduced formation of reactive oxygen species and electrons from metal oxide–silica nanocomposite: An EPR spin-trapping study. Applied Surface Science, 2017, 416, 281-287.	6.1	36
135	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
136	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
137	Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. Water Research, 2020, 185, 116241.	11.3	36
138	Structural Effects of Amines in Enhancing Methanesulfonic Acid-Driven New Particle Formation. Environmental Science & Technology, 2020, 54, 13498-13508.	10.0	36
139	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
140	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
141	Quantitative structure–property relationships (QSPRs) on direct photolysis quantum yields of PCDDs. Chemosphere, 2001, 43, 235-241.	8.2	35
142	Quantitative structure-property relationships for vapor pressures of polybrominated diphenyl ethers. SAR and QSAR in Environmental Research, 2003, 14, 97-111.	2.2	35
143	Molecularly imprinted polymer/mesoporous carbon nanoparticles as electrode sensing material for selective detection of ofloxacin. Materials Letters, 2014, 129, 95-97.	2.6	35
144	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

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145	Screening and ecological risk of 1200 organic micropollutants in Yangtze Estuary water. Water Research, 2021, 201, 117341.	11.3	35
146	Quantitative structure–property relationships for direct photolysis quantum yields of selected polycyclic aromatic hydrocarbons. Science of the Total Environment, 2000, 246, 11-20.	8.0	34
147	UNIVERSAL PREDICTIVE MODELS ON OCTANOL–AIR PARTITION COEFFICIENTS AT DIFFERENT TEMPERATURES FOR PERSISTENT ORGANIC POLLUTANTS. Environmental Toxicology and Chemistry, 2004, 23, 2309.	4.3	34
148	Levels and patterns of polybrominated diphenyl ethers in children's plasma from Dalian, China. Environment International, 2010, 36, 163-167.	10.0	34
149	Mathematical Model for Cyclodextrin Alteration of Bioavailability of Organic Pollutants. Environmental Science & Technology, 2013, 47, 5835-5842.	10.0	34
150	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
151	Effect of UV/chlorine treatment on photophysical and photochemical properties of dissolved organic matter. Water Research, 2021, 192, 116857.	11.3	34
152	Anionic Phenolic Compounds Bind Stronger with Transthyretin than Their Neutral Forms: Nonnegligible Mechanisms in Virtual Screening of Endocrine Disrupting Chemicals. Chemical Research in Toxicology, 2013, 26, 1340-1347.	3.3	33
153	The role of UV-B on the degradation of PCDD/Fs and PAHs sorbed on surfaces of spruce (Picea abies (L.)) Tj ETQq1	1.0.7843 8.0	1_{32}^4 rgBT /Ov
154	The Fragment Constant Method for Predicting Octanol–Air Partition Coefficients of Persistent Organic Pollutants at Different Temperatures. Journal of Physical and Chemical Reference Data, 2006, 35, 1365-1384.	4.2	32
155	Modeling photoinduced toxicity of PAHs based on DFT-calculated descriptors. Chemosphere, 2009, 76, 999-1005.	8.2	32
156	Dechlorination of chloroacetanilide herbicides by plant growth regulator sodium bisulfite. Water Research, 2009, 43, 3566-3574.	11.3	32
157	Emerging Polar Phenolic Disinfection Byproducts Are High-Affinity Human Transthyretin Disruptors: An <i>in Vitro</i> and <i>in Silico</i> Study. Environmental Science & (), 2019, 53, 7019-7028.	10.0	32
158	Integrated fuzzy concentration addition–independent action (IFCA–IA) model outperforms two-stage prediction (TSP) for predicting mixture toxicity. Chemosphere, 2009, 74, 735-740.	8.2	31
159	Estrogenic Activity of Anthraquinone Derivatives: <i>In Vitro</i> and <i>In Silico</i> Studies. Chemical Research in Toxicology, 2010, 23, 1349-1355.	3.3	31
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