Jingwen Chen

List of Publications by Year in Descending Order

359 papers	10,534 citations	48 h-index	79 g-index
378 ext. papers	12,467 ext. citations	7.9 avg, IF	6.55 L-index

#	Paper	IF	Citations
359	Potential Application of Machine-Learning-Based Quantum Chemical Methods in Environmental Chemistry.. *Environmental Science & Technology*, **2022**,	10.3	2
358	Face mask-A potential source of phthalate exposure for human. *Journal of Hazardous Materials*, **2022**, 422, 126848	12.8	8
357	Advances in In Silico Toxicity Assessment of Nanomaterials and Emerging Contaminants **2022**, 325-347		
356	The role of organic acids in new particle formation from methanesulfonic acid and methylamine. *Atmospheric Chemistry and Physics*, **2022**, 22, 2639-2650	6.8	2
355	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	12.9	2
354	Rapid and selective oxidation of refractory sulfur-containing micropollutants in water using Fe-TAML/H2O2. *Applied Catalysis B: Environmental*, **2022**, 315, 121535	21.8	0
353	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 16528-16530	8.3	0
352	Machine learning models on chemical inhibitors of mitochondrial electron transport chain.. *Journal of Hazardous Materials*, **2021**, 426, 128067	12.8	1
351	Atmospheric Chemistry of Allylic Radicals from Isoprene: A Successive Cyclization-Driven Autoxidation Mechanism. *Environmental Science & Technology*, **2021**, 55, 4399-4409	10.3	6
350	Effect of UV/chlorine treatment on photophysical and photochemical properties of dissolved organic matter. *Water Research*, **2021**, 192, 116857	12.5	7
349	Developing QSAR Models with Defined Applicability Domains on PPARγ Binding Affinity Using Large Data Sets and Machine Learning Algorithms. *Environmental Science & Technology*, **2021**, 55, 6857-6866	10.3	15
348	Heterogeneous Formation of HONO Catalyzed by CO. *Environmental Science & Technology*, **2021**, 55, 12215-12222	10.3	3
347	Autoxidation mechanism for atmospheric oxidation of tertiary amines: Implications for secondary organic aerosol formation. *Chemosphere*, **2021**, 273, 129207	8.4	4
346	Interrelated effects of soils and compounds on persulfate oxidation of petroleum hydrocarbons in soils. *Journal of Hazardous Materials*, **2021**, 408, 124845	12.8	5
345	Polarizability and aromaticity index govern AhR-mediated potencies of PAHs: A QSAR with consideration of freely dissolved concentrations. *Chemosphere*, **2021**, 268, 129343	8.4	0
344	Photochemistry of dissolved organic matter extracted from coastal seawater: Excited triplet-states and contents of phenolic moieties. *Water Research*, **2021**, 188, 116568	12.5	11
343	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	10.2	7

342	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	7.1	5
341	Prediction Models on p and Base-Catalyzed Hydrolysis Kinetics of Parabens: Experimental and Quantum Chemical Studies. *Environmental Science & Technology*, **2021**, 55, 6022-6031	10.3	6
340	Integration of Computational Toxicology, Toxicogenomics Data Mining, and Omics Techniques to Unveil Toxicity Pathways. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4130-4138	8.3	6
339	Screening and ecological risk of 1200 organic micropollutants in Yangtze Estuary water. *Water Research*, **2021**, 201, 117341	12.5	11
338	A review of environmental occurrence, analysis, bioaccumulation, and toxicity of organophosphate esters. *Environmental Science and Pollution Research*, **2021**, 28, 49507-49528	5.1	6
337	Tissue-Specific Accumulation, Biotransformation, and Physiologically Based Toxicokinetic Modeling of Benzotriazole Ultraviolet Stabilizers in Zebrafish (). *Environmental Science & Technology*, **2021**, 55, 11874-11884	10.3	4
336	Effects of accumulated straw residues on sorption of pesticides and antibiotics in soils with maize straw return. *Journal of Hazardous Materials*, **2021**, 418, 126213	12.8	1
335	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	10.2	12
334	Human transthyretin binding affinity of halogenated thiophenols and halogenated phenols: An in vitro and in silico study. *Chemosphere*, **2021**, 280, 130627	8.4	4
333	Bioavailability for organic chemical bioaccumulation follows the power law. *Environmental Pollution* , **2021**, 288, 117716	9.3	0
332	Development and evaluation of a ceramic diffusive layer based DGT technique for measuring organic micropollutants in seawaters. *Environment International*, **2021**, 156, 106653	12.9	3
331	Environmental Burdens of China's Propylene manufacturing: Comparative life-cycle assessment and scenario analysis. *Science of the Total Environment*, **2021**, 799, 149451	10.2	4
330	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	8.4	0
329	Formation of Low-Volatile Products and Unexpected High Formaldehyde Yield from the Atmospheric Oxidation of Methylsiloxanes. *Environmental Science & Technology*, **2020**, 54, 7136-7145	10.3	12
328	Occurrence and air-soil exchange of organophosphate flame retardants in the air and soil of Dalian, China. *Environmental Pollution*, **2020**, 265, 114850	9.3	12
327	Quantitative Structure-Activity Relationship Models for Predicting Inflammatory Potential of Metal Oxide Nanoparticles. *Environmental Health Perspectives*, **2020**, 128, 67010	8.4	25
326	Predicting plant cuticle-water partition coefficients for organic pollutants using pp-LFER model. *Science of the Total Environment*, **2020**, 725, 138455	10.2	5
325	Concerted Efforts Are Needed to Control and Mitigate Antibiotic Pollution in Coastal Waters of China. *Antibiotics*, **2020**, 9,	4.9	10

324	Formation Mechanisms of Iodine-Ammonia Clusters in Polluted Coastal Areas Unveiled by Thermodynamics and Kinetic Simulations. *Environmental Science & Technology*, **2020**, 54, 9235-9242	10.3	6
323	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	10.2	9
322	Applicability Domains Enhance Application of PPARγ Agonist Classifiers Trained by Drug-like Compounds to Environmental Chemicals. *Chemical Research in Toxicology*, **2020**, 33, 1382-1388	4	10
321	CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. *Environmental Health Perspectives*, **2020**, 128, 27002	8.4	70
320	Role of hydrogen bond capacity of solvents in reactions of amines with CO: A computational study. *Journal of Environmental Sciences*, **2020**, 91, 271-278	6.4	3
319	Underlying mechanisms of reactive oxygen species and oxidative stress photoinduced by graphene and its surface-functionalized derivatives. *Environmental Science: Nano*, **2020**, 7, 782-792	7.1	11
318	Development of models predicting biodegradation rate rating with multiple linear regression and support vector machine algorithms. *Chemosphere*, **2020**, 253, 126666	8.4	20
317	VideoTRM: Pre-training for Video Captioning Challenge 2020 **2020**,		2
316	Probing key organic substances driving new particle growth initiated by iodine nucleation in coastal atmosphere. *Atmospheric Chemistry and Physics*, **2020**, 20, 9821-9835	6.8	3
315	Opposite pH-dependent roles of hydroxyl radicals in ozonation and UV photolysis of genistein. *Science of the Total Environment*, **2020**, 709, 136243	10.2	3
314	Distribution of organophosphate esters between the gas phase and PM in urban Dalian, China. *Environmental Pollution*, **2020**, 259, 113882	9.3	13
313	Atmospheric oxidation mechanism and kinetics of isoprene initiated by chlorine radicals: A computational study. *Science of the Total Environment*, **2020**, 712, 136330	10.2	13
312	Hydroxyl radical oxidation of cyclic methylsiloxanes D4 ~ D6 in aqueous phase. *Chemosphere*, **2020**, 242, 125200	8.4	0
311	Theoretical study of the hydration effects on alkylamine and alkanolamine clusters and the atmospheric implication. *Chemosphere*, **2020**, 243, 125323	8.4	7
310	The Evolution of ACS Sustainable Chemistry & Engineering. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1-1	8.3	2
309	Characteristics of halogenated flame retardants in the atmosphere of Dalian, China. *Atmospheric Environment*, **2020**, 223, 117219	5.3	4
308	Characteristics and risk assessment of organophosphorus flame retardants in urban road dust of Dalian, Northeast China. *Science of the Total Environment*, **2020**, 705, 135995	10.2	9
307	Effects of dissolved organic matter derived from freshwater and seawater on photodegradation of three antiviral drugs. *Environmental Pollution*, **2020**, 258, 113700	9.3	7

306	Insight into dynamics and bioavailability of antibiotics in paddy soils by in situ soil moisture sampler. *Science of the Total Environment*, **2020**, 703, 135562	10.2	10
305	Bioaccumulation, Biotransformation, and Multicompartmental Toxicokinetic Model of Antibiotics in Sea Cucumber (). *Environmental Science & Technology*, **2020**, 54, 13175-13185	10.3	10
304	Screening of 484 trace organic contaminants in coastal waters around the Liaodong Peninsula, China: Occurrence, distribution, and ecological risk. *Environmental Pollution*, **2020**, 267, 115436	9.3	5
303	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	5.8	6
302	Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. *Water Research*, **2020**, 185, 116241	12.5	13
301	In situ measurement of synthetic musks in wastewaters using diffusive gradients in thin film technique. *Water Research*, **2020**, 185, 116239	12.5	5
300	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	10.2	5
299	Structural Effects of Amines in Enhancing Methanesulfonic Acid-Driven New Particle Formation. *Environmental Science & Technology*, **2020**, 54, 13498-13508	10.3	14
298	Occurrence and Health Risks of Organic Micro-Pollutants and Metals in Groundwater of Chinese Rural Areas. *Environmental Health Perspectives*, **2020**, 128, 107010	8.4	13
297	Desorption kinetics of tetracyclines in soils assessed by diffusive gradients in thin films. *Environmental Pollution*, **2020**, 256, 113394	9.3	8
296	Spinel-based ceramic membranes coupling solid sludge recycling with oily wastewater treatment. *Water Research*, **2020**, 169, 115180	12.5	35
295	Discriminant models on mitochondrial toxicity improved by consensus modeling and resolving imbalance in training. *Chemosphere*, **2020**, 253, 126768	8.4	12
294	Development of classification models for predicting inhibition of mitochondrial fusion and fission using machine learning methods. *Chemosphere*, **2020**, 273, 128567	8.4	7
293	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	4.3	15
292	Profile and source apportionment of volatile organic compounds from a complex industrial park. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 9-18	4.3	7
291	Detecting antibiotic resistance genes and human potential pathogenic Bacteria in fishmeal by culture-independent method. *Environmental Science and Pollution Research*, **2019**, 26, 8665-8674	5.1	6
290	Xenobiotic Metabolism by Cytochrome P450 Enzymes: Insights Gained from Molecular Simulations. *Challenges and Advances in Computational Chemistry and Physics*, **2019**, 337-364	0.7	1
289	Background, Tasks, Modeling Methods, and Challenges for Computational Toxicology. *Challenges and Advances in Computational Chemistry and Physics*, **2019**, 15-36	0.7	1

288	Uptake and depuration of eight fluoroquinolones (FQs) in common carp (Cyprinus carpio). *Ecotoxicology and Environmental Safety*, **2019**, 180, 202-207	7	14
287	Grand canonical Monte Carlo simulation on adsorption of aniline on the ice surface. *Journal of Molecular Liquids*, **2019**, 290, 111221	6	8
286	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	10.3	21
285	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	6.4	14
284	Development of a Passive Sampling Technique for Measuring Pesticides in Waters and Soils. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 6397-6406	5.7	18
283	Polyurethane heat preservation materials: The significant sources of organophosphorus flame retardants. *Chemosphere*, **2019**, 227, 409-415	8.4	13
282	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,	4.6	16
281	Development of a nano-QSPR model to predict band gaps of spherical metal oxide nanoparticles.. *RSC Advances*, **2019**, 9, 8426-8434	3.7	6
280	Development of Prediction Models on Base-Catalyzed Hydrolysis Kinetics of Phthalate Esters with Density Functional Theory Calculation. *Environmental Science & Technology*, **2019**, 53, 5828-5837	10.3	20
279	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	7	32
278	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,	4.6	8
277	Uptake and metabolism of clarithromycin and sulfadiazine in lettuce. *Environmental Pollution*, **2019**, 247, 1134-1142	9.3	30
276	Mechanism and predictive model development of reaction rate constants for N-center radicals with O. *Chemosphere*, **2019**, 237, 124411	8.4	3
275	Piperazine Enhancing Sulfuric Acid-Based New Particle Formation: Implications for the Atmospheric Fate of Piperazine. *Environmental Science & Technology*, **2019**, 53, 8785-8795	10.3	19
274	Trace amounts of fenofibrate acid sensitize the photodegradation of bezafibrate in effluents: Mechanisms, degradation pathways, and toxicity evaluation. *Chemosphere*, **2019**, 235, 900-907	8.4	20
273	Rate constants of hydroxyl radicals reaction with different dissociation species of fluoroquinolones and sulfonamides: Combined experimental and QSAR studies. *Water Research*, **2019**, 166, 115083	12.5	21
272	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	10.3	56
271	Methanesulfonic Acid-driven New Particle Formation Enhanced by Monoethanolamine: A Computational Study. *Environmental Science & Technology*, **2019**, 53, 14387-14397	10.3	24

270	Modeling adsorption of organic pollutants onto single-walled carbon nanotubes with theoretical molecular descriptors using MLR and SVM algorithms. *Chemosphere*, **2019**, 214, 79-84	8.4	24
269	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	12.5	36
268	Disparate effects of DOM extracted from coastal seawaters and freshwaters on photodegradation of 2,4-Dihydroxybenzophenone. *Water Research*, **2019**, 151, 280-287	12.5	27
267	pH-Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. *Angewandte Chemie - International Edition*, **2019**, 58, 467-471	16.4	37
266	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	6.6	11
265	Physiologically based toxicokinetics (PBTK) models for pharmaceuticals and personal care products in wild common carp (Cyprinus carpio). *Chemosphere*, **2019**, 220, 793-801	8.4	6
264	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	8.4	28
263	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	9.3	22
262	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	10.2	61
261	Bacterial community variations in paddy soils induced by application of veterinary antibiotics in plant-soil systems. *Ecotoxicology and Environmental Safety*, **2019**, 167, 44-53	7	23
260	Kinetics and mechanism of OH-initiated atmospheric oxidation of organophosphorus plasticizers: A computational study on tri-p-cresyl phosphate. *Chemosphere*, **2018**, 201, 557-563	8.4	16
259	Investigation and application of diffusive gradients in thin-films technique for measuring endocrine disrupting chemicals in seawaters. *Chemosphere*, **2018**, 200, 351-357	8.4	37
258	Aqueous OH Radical Reaction Rate Constants for Organophosphorus Flame Retardants and Plasticizers: Experimental and Modeling Studies. *Environmental Science & Technology*, **2018**, 52, 2790-2799	10.3	41
257	Photolysis mechanism of sulfonamide moiety in five-membered sulfonamides: A DFT study. *Chemosphere*, **2018**, 197, 569-575	8.4	22
256	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	10.2	42
255	Halogenated flame retardants in building and decoration materials in China: Implications for human exposure via inhalation and dust ingestion. *Chemosphere*, **2018**, 203, 291-299	8.4	14
254	Modeling photodegradation kinetics of organic micropollutants in water bodies: A case of the Yellow River estuary. *Journal of Hazardous Materials*, **2018**, 349, 60-67	12.8	32
253	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	8.5	19

252	Development and evaluation of diffusive gradients in thin films technique for measuring antibiotics in seawater. *Science of the Total Environment*, **2018**, 618, 1605-1612	10.2	40
251	Photophysical and photochemical insights into the photodegradation of sulfapyridine in water: A joint experimental and theoretical study. *Chemosphere*, **2018**, 191, 1021-1027	8.4	11
250	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	7.1	15
249	Combined impact of fishmeal and tetracycline on resistomes in mariculture sediment. *Environmental Pollution*, **2018**, 242, 1711-1719	9.3	19
248	Atmospheric Oxidation of Piperazine Initiated by □Cl: Unexpected High Nitrosamine Yield. *Environmental Science & Technology*, **2018**, 52, 9801-9809	10.3	26
247	Occurrence, distribution, and air-water exchange of organophosphorus flame retardants in a typical coastal area of China. *Chemosphere*, **2018**, 211, 335-344	8.4	19
246	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	8.4	17
245	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	12.8	15
244	DOM from mariculture ponds exhibits higher reactivity on photodegradation of sulfonamide antibiotics than from offshore seawaters. *Water Research*, **2018**, 144, 365-372	12.5	38
243	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	10.2	26
242	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	10.3	46
241	Benchmarking of DFT functionals for the kinetics and mechanisms of atmospheric addition reactions of OH radicals with phenyl and substituted phenyl-based organic pollutants. *International Journal of Quantum Chemistry*, **2018**, 118, e25533	2.1	11
240	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	4.5	35
239	Image Blind Denoising with Generative Adversarial Network Based Noise Modeling **2018**,		184
238	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	4.5	1
237	pH-Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. *Angewandte Chemie*, **2018**, 131, 477	3.6	
236	Effects of lomefloxacin on survival, growth and reproduction of Daphnia magna under simulated sunlight radiation. *Ecotoxicology and Environmental Safety*, **2018**, 166, 63-70	7	4
235	A molecular-scale study on the hydration of sulfuric acid-amide complexes and the atmospheric implication. *Chemosphere*, **2018**, 213, 453-462	8.4	10

234	Investigation of antibiotics in sea cucumbers: occurrence, pollution characteristics, and human risk assessment. *Environmental Science and Pollution Research*, **2018**, 25, 32081-32087	5.1	8
233	Enhanced adsorption of aromatic chemicals on boron and nitrogen co-doped single-walled carbon nanotubes. *Environmental Science: Nano*, **2017**, 4, 558-564	7.1	21
232	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	4.7	10
231	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	10.2	41
230	The degradation mechanism of sulfamethoxazole under ozonation: a DFT study. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 379-387	4.3	16
229	Development of polyparameter linear free energy relationship models for octanol-air partition coefficients of diverse chemicals. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 300-306	4.3	5
228	Antibiotic Pollution in Marine Food Webs in Laizhou Bay, North China: Trophodynamics and Human Exposure Implication. *Environmental Science & Technology*, **2017**, 51, 2392-2400	10.3	91
227	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	3.7	9
226	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	4.3	24
225	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	8.5	24
224	Computational Study of the Reactions of Chlorine Radicals with Atmospheric Organic Compounds Featuring NH$_x$ Bond (x = 1, 2) Structures. *Journal of Physical Chemistry A*, **2017**, 121, 1657-1665	2.8	18
223	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	10.2	25
222	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	6.7	28
221	Different binding mechanisms of neutral and anionic poly-/perfluorinated chemicals to human transthyretin revealed by In silico models. *Chemosphere*, **2017**, 182, 574-583	8.4	22
220	Effects of Atmospheric Water on $^{\bullet}$OH-initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCPP. *Environmental Science & Technology*, **2017**, 51, 5043-5051	10.3	50
219	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	10.2	141
218	Ferrate(vi) initiated oxidative degradation mechanisms clarified by DFT calculations: a case for sulfamethoxazole. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 370-378	4.3	15
217	Fishmeal Application Induces Antibiotic Resistance Gene Propagation in Mariculture Sediment. *Environmental Science & Technology*, **2017**, 51, 10850-10860	10.3	63

216	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	10.3	27
215	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	10.3	62
214	PAHs accelerate the propagation of antibiotic resistance genes in coastal water microbial community. *Environmental Pollution*, **2017**, 231, 1145-1152	9.3	53
213	Adsorption of Nitrobenzene on the Surface of Ice: A Grand Canonical Monte Carlo Simulation Study. *Journal of Physical Chemistry C*, **2017**, 121, 15746-15755	3.8	11
212	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	7.9	23
211	Time-gated luminescence imaging of singlet oxygen photoinduced by fluoroquinolones and functionalized graphenes in Daphnia magna. *Aquatic Toxicology*, **2017**, 191, 105-112	5.1	9
210	Determination and prediction of octanol-air partition coefficients for organophosphate flame retardants. *Ecotoxicology and Environmental Safety*, **2017**, 145, 283-288	7	22
209	Oxidation reactivity of 1,2-bis(2,4,6-tribromophenoxy)ethane (BTBPE) by Compound I model of cytochrome P450s. *Journal of Environmental Sciences*, **2017**, 62, 11-21	6.4	3
208	Computational investigation of the nitrosation mechanism of piperazine in CO capture. *Chemosphere*, **2017**, 186, 341-349	8.4	6
207	Cation-Pi Interaction: A Key Force for Sorption of Fluoroquinolone Antibiotics on Pyrogenic Carbonaceous Materials. *Environmental Science & Technology*, **2017**, 51, 13659-13667	10.3	44
206	Organophosphate esters in sediment cores from coastal Laizhou Bay of the Bohai Sea, China. *Science of the Total Environment*, **2017**, 607-608, 103-108	10.2	44
205	Development of bovine serum albumin-water partition coefficients predictive models for ionogenic organic chemicals based on chemical form adjusted descriptors. *Ecotoxicology and Environmental Safety*, **2017**, 144, 131-137	7	4
204	Prediction of future malaria hotspots under climate change in sub-Saharan Africa. *Climatic Change*, **2017**, 143, 415-428	4.5	7
203	Occurrence, removal, and risk assessment of antibiotics in 12 wastewater treatment plants from Dalian, China. *Environmental Science and Pollution Research*, **2017**, 24, 16478-16487	5.1	59
202	Nutrients, heavy metals and microbial communities co-driven distribution of antibiotic resistance genes in adjacent environment of mariculture. *Environmental Pollution*, **2017**, 220, 909-918	9.3	92
201	Elucidating ozonation mechanisms of organic micropollutants based on DFT calculations: Taking sulfamethoxazole as a case. *Environmental Pollution*, **2017**, 220, 971-980	9.3	18
200	Rational Selection of the 3D Structure of Biomacromolecules for Molecular Docking Studies on the Mechanism of Endocrine Disruptor Action. *Chemical Research in Toxicology*, **2016**, 29, 1565-70	4	5
199	Polybrominated diphenylethers (PBDEs) and their hydroxylated metabolites (OH-PBDEs) in female serum from Dalian, China. *International Journal of Hygiene and Environmental Health*, **2016**, 219, 816-822	6.9	17

198	Predicting anti-androgenic activity of bisphenols using molecular docking and quantitative structure-activity relationships. *Chemosphere*, **2016**, 163, 373-381	8.4	30
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