

Se Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

575
citations

15
h-index

22
g-index

38
ext. papers

707
ext. citations

5.1
avg, IF

4.07
L-index

#	Paper	IF	Citations
38	A density functional theory/time-dependent density functional theory study of the structure-related photochemical properties of hydroxylated polybrominated diphenyl ethers and methoxylated polybrominated diphenyl ethers and metal ion effects. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 2007-2021	5.1	
37	Ecotoxicological effects on <i>Scenedesmus obliquus</i> and <i>Danio rerio</i> Co-exposed to polystyrene nano-plastic particles and natural acidic organic polymer. <i>Environmental Toxicology and Pharmacology</i> , 2019 , 67, 21-28	5.8	32
36	Dissolved Organic Matter Modulates Algal Oxidative Stress and Membrane System Responses to Binary Mixtures of Nano-Metal-Oxides (nCeO, nMgO and nFeO) and Sulfadiazine. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
35	Aquatic behavior and toxicity of polystyrene nanoplastic particles with different functional groups: Complex roles of pH, dissolved organic carbon and divalent cations. <i>Chemosphere</i> , 2019 , 228, 195-203	8.4	42
34	Metagenomic analysis of bacterial communities and antibiotic resistance genes in the Eriocheir sinensis freshwater aquaculture environment. <i>Chemosphere</i> , 2019 , 224, 202-211	8.4	41
33	A DFT/TDDFT study on the mechanisms of direct and indirect photodegradation of tetrabromobisphenol A in water. <i>Chemosphere</i> , 2019 , 220, 40-46	8.4	1
32	Dissolved organic matter and aluminum oxide nanoparticles synergistically cause cellular responses in freshwater microalgae. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018 , 53, 651-658	2.3	10
31	Toxicity of mixtures of zinc oxide and graphene oxide nanoparticles to aquatic organisms of different trophic level: particles outperform dissolved ions. <i>Nanotoxicology</i> , 2018 , 12, 423-438	5.3	41
30	Aqueous aggregation and stability of graphene nanoplatelets, graphene oxide, and reduced graphene oxide in simulated natural environmental conditions: complex roles of surface and solution chemistry. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10956-10965	5.1	20
29	TiO ₂ /SiO ₂ and ZrO ₂ Nanoparticles Synergistically Provoke Cellular Oxidative Damage in Freshwater Microalgae. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
28	Toxicological assessment of multi-walled carbon nanotubes combined with nonylphenol in male mice. <i>PLoS ONE</i> , 2018 , 13, e0200238	3.7	8
27	Algal toxicity of binary mixtures of zinc oxide nanoparticles and tetrabromobisphenol A: Roles of dissolved organic matters. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 64, 78-85	5.8	9
26	DFT/TDDFT insights into effects of dissociation and metal complexation on photochemical behavior of enrofloxacin in water. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 30609-30616	5.1	5
25	Combined ecotoxicity of binary zinc oxide and copper oxide nanoparticles to <i>Scenedesmus obliquus</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 555-560	2.3	28
24	Elucidating Direct Photolysis Mechanisms of Different Dissociation Species of Norfloxacin in Water and Mg Effects by Quantum Chemical Calculations. <i>Molecules</i> , 2017 , 22,	4.8	4
23	Assessment and prediction of joint algal toxicity of binary mixtures of graphene and ionic liquids. <i>Chemosphere</i> , 2017 , 185, 681-689	8.4	21
22	Co-exposure of Freshwater Microalgae to Tetrabromobisphenol A and Sulfadiazine: Oxidative Stress Biomarker Responses and Joint Toxicity Prediction. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 99, 438-444	2.7	12

21	Impacts of dissolved organic matter on aqueous behavior of nano/micron-titanium nitride and their induced enzymatic/non-enzymatic antioxidant activities in <i>Scenedesmus obliquus</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 23-29	2.3	4
20	Physicochemical properties and ecotoxicological effects of yttrium oxide nanoparticles in aquatic media: Role of low molecular weight natural organic acids. <i>Environmental Pollution</i> , 2016 , 212, 113-120	9.3	9
19	Soot Nanoparticles Could Partake in Nucleation of Biogenic Particles in the Atmosphere: Using Fullerene as a Model Compound. <i>Atmosphere</i> , 2016 , 7, 45	2.7	
18	Role of intramolecular hydrogen bonding in the excited-state intramolecular double proton transfer (ESIDPT) of calix[4]arene: A TDDFT study. <i>Open Physics</i> , 2016 , 14, 602-609	1.3	1
17	Impacts of low-molecular-weight organic acids on aquatic behavior of graphene nanoplatelets and their induced algal toxicity and antioxidant capacity. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10938-10945	5.1	23
16	Prediction of joint algal toxicity of nano-CeO ₂ /nano-TiO ₂ and florfenicol: Independent action surpasses concentration addition. <i>Chemosphere</i> , 2016 , 156, 8-13	8.4	26
15	Benzoic Acid Interactions Affect Aquatic Properties and Toxicity of Copper Oxide Nanoparticles. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 159-65	2.7	3
14	Elucidating Adsorption Mechanisms of Phthalate Esters upon Carbon Nanotubes/Graphene and Natural Organic Acid Competitive Effects in Water by DFT and MD Calculations. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 1631-1636	1.2	7
13	Simulating Molecular Interactions of Carbon Nanoparticles with a Double-Stranded DNA Fragment. <i>Journal of Chemistry</i> , 2015 , 2015, 1-6	2.3	3
12	Elucidating triplet-sensitized photolysis mechanisms of sulfadiazine and metal ions effects by quantum chemical calculations. <i>Chemosphere</i> , 2015 , 122, 62-69	8.4	13
11	Investigation of SO ₂ gas adsorption in metal-organic frameworks by molecular simulation. <i>Inorganic Chemistry Communication</i> , 2014 , 46, 277-281	3.1	31
10	Theoretical investigation on photodechlorination mechanism of polychlorinated biphenyls. <i>Chemosphere</i> , 2014 , 95, 200-5	8.4	18
9	Theoretical investigations on direct photolysis mechanisms of polychlorinated diphenyl ethers. <i>Chemosphere</i> , 2014 , 111, 7-12	8.4	11
8	Elucidating photodehalogenation mechanisms of polychlorinated and polybrominated dibenzo-p-dioxins and dibenzofurans and Mg ²⁺ effects by quantum chemical calculations. <i>Computational and Theoretical Chemistry</i> , 2014 , 1042, 49-56	2	5
7	Calixarene building block bis(2-hydroxyphenyl)methane (2HDPM) and hydrogen-bonded 2HDPM-H ₂ O complex in electronic excited state. <i>Journal of Molecular Modeling</i> , 2013 , 19, 1913-8	2	6
6	Time-dependent density functional theory study on the electronic excited-state hydrogen bonding of the chromophore coumarin 153 in a room-temperature ionic liquid. <i>Journal of Molecular Modeling</i> , 2012 , 18, 937-45	2	9
5	A theoretical forecast of the hydrogen bond changes in the electronic excited state for BN and its derivatives. <i>Open Physics</i> , 2012 , 10,	1.3	7
4	Effects of excited-state structures and properties on photochemical degradation of polybrominated diphenyl ethers: a TDDFT study. <i>Chemosphere</i> , 2012 , 88, 33-8	8.4	31

3	Toxicity profile of labile preservative bronopol in water: the role of more persistent and toxic transformation products. <i>Environmental Pollution</i> , 2011 , 159, 609-15	9.3	36
2	Differential enantioselectivity of quizalofop ethyl and its acidic metabolite: direct enantiomeric separation and assessment of multiple toxicological endpoints. <i>Journal of Hazardous Materials</i> , 2011 , 186, 876-82	12.8	24
1	Time-dependent density functional theory study on electronic excited states of the hydrogen-bonded solute-solvent phenol(H_2O) $_n$ ($n=3-5$) clusters. <i>Journal of Luminescence</i> , 2011 , 131, 2279-2285	3.8	7