

Chao Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/250117/publications.pdf>

Version: 2024-02-01

44
papers

1,123
citations

394421

19
h-index

414414

32
g-index

44
all docs

44
docs citations

44
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis on the photolysis kinetics of four neonicotinoid pesticides and their photo-induced toxicity to <i>Vibrio Fischeri</i> : Pathway and toxic mechanism. <i>Chemosphere</i> , 2022, 287, 132303.	8.2	17
2	Bio-uptake, tissue distribution and metabolism of a neonicotinoid insecticide clothianidin in zebrafish. <i>Environmental Pollution</i> , 2022, 292, 118317.	7.5	18
3	Atmospheric persistence and toxicity evolution for fluorinated biphenylethyne liquid crystal monomers unveiled by in silico methods. <i>Journal of Hazardous Materials</i> , 2022, 424, 127519.	12.4	16
4	Dissolved Organic Matter Enhanced the Aggregation and Oxidation of Nanoplastics under Simulated Sunlight Irradiation in Water. <i>Environmental Science & Technology</i> , 2022, 56, 3085-3095.	10.0	31
5	Application of machine learning to predict the inhibitory activity of organic chemicals on thyroid stimulating hormone receptor. <i>Environmental Research</i> , 2022, 212, 113175.	7.5	5
6	Photochemical degradation pathways of cell-free antibiotic resistance genes in water under simulated sunlight irradiation: Experimental and quantum chemical studies. <i>Chemosphere</i> , 2022, 302, 134879.	8.2	7
7	Predicting reaction rate constants of ozone with ionic/non-ionic compounds in water. <i>Science of the Total Environment</i> , 2022, 835, 155501.	8.0	3
8	Identification of active or inactive agonists of tumor suppressor protein based on Tox21 library. <i>Toxicology</i> , 2022, , 153224.	4.2	0
9	Atmospheric Fate and Risk Investigation of Typical Liquid Crystal Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3600-3607.	6.7	32
10	Identification of active and inactive agonists/antagonists of estrogen receptor based on Tox21 10K compound library: Binomial analysis and structure alert. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112114.	6.0	6
11	Prediction of organic compounds adsorbed by polyethylene and chlorinated polyethylene microplastics in freshwater using QSAR. <i>Environmental Research</i> , 2021, 197, 111001.	7.5	18
12	Photo-induced degradation and toxicity change of decabromobiphenyl ethers (BDE-209) in water: Effects of dissolved organic matter and halide ions. <i>Journal of Hazardous Materials</i> , 2021, 416, 125842.	12.4	27
13	MOA-based linear and nonlinear QSAR models for predicting the toxicity of organic chemicals to <i>Vibrio fischeri</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 9114-9125.	5.3	14
14	Integration of an XGBoost model and EIS detection to determine the effect of low inhibitor concentrations on <i>E. coli</i> . <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114534.	3.8	6
15	Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. <i>Water Research</i> , 2020, 185, 116241.	11.3	36
16	Electrochemical Cleaning of Fouled Laminar Graphene Membranes. <i>Environmental Science and Technology Letters</i> , 2020, 7, 773-778.	8.7	13
17	Quantitative structure-activity relationship models for predicting singlet oxygen reaction rate constants of dissociating organic compounds. <i>Science of the Total Environment</i> , 2020, 735, 139498.	8.0	20
18	QSAR modeling for reaction rate constants of $e_{aq}^{\cdot-}$ with diverse organic compounds in water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1931-1938.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Predicting oxidative stress induced by organic chemicals by using quantitative Structure-Activity relationship methods. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110817.	6.0	9
20	Development of a quantitative structure-activity relationship model for mechanistic interpretation and quantum yield prediction of singlet oxygen generation from dissolved organic matter. <i>Science of the Total Environment</i> , 2020, 712, 136450.	8.0	16
21	QSAR modeling for the ozonation of diverse organic compounds in water. <i>Science of the Total Environment</i> , 2020, 715, 136816.	8.0	33
22	Photolysis and photo-induced toxicity of pyraclostrobin to <i>Vibrio fischeri</i> : Pathway and toxic mechanism. <i>Aquatic Toxicology</i> , 2020, 220, 105417.	4.0	15
23	Combined Toxicity of Nitro-Substituted Benzenes and Zinc to <i>Photobacterium Phosphoreum</i> : Evaluation and QSAR Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1041.	2.6	7
24	Trace amounts of fenofibrate acid sensitize the photodegradation of bezafibrate in effluents: Mechanisms, degradation pathways, and toxicity evaluation. <i>Chemosphere</i> , 2019, 235, 900-907.	8.2	26
25	Combined effects of dissolved organic matter, pH, ionic strength and halides on photodegradation of oxytetracycline in simulated estuarine waters. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 155-162.	3.5	20
26	Quantitative structure-activity relationship models for predicting reaction rate constants of organic contaminants with hydrated electrons and their mechanistic pathways. <i>Water Research</i> , 2019, 151, 468-477.	11.3	61
27	Theoretical consideration on the prediction of <i>in vivo</i> toxicity from <i>in vitro</i> toxicity: Effect of bio-uptake equilibrium, kinetics and mode of action. <i>Chemosphere</i> , 2019, 221, 433-440.	8.2	6
28	Toxicity of some prevalent organic chemicals to tadpoles and comparison with toxicity to fish based on mode of toxic action. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 138-145.	6.0	16
29	Kinetics and mechanism of OH-initiated atmospheric oxidation of organophosphorus plasticizers: A computational study on tri-p-cresyl phosphate. <i>Chemosphere</i> , 2018, 201, 557-563.	8.2	29
30	Aqueous OH Radical Reaction Rate Constants for Organophosphorus Flame Retardants and Plasticizers: Experimental and Modeling Studies. <i>Environmental Science & Technology</i> , 2018, 52, 2790-2799.	10.0	67
31	Development of thresholds of excess toxicity for environmental species and their application to identification of modes of acute toxic action. <i>Science of the Total Environment</i> , 2018, 616-617, 491-499.	8.0	26
32	Direct growth of ultra-permeable molecularly thin porous graphene membranes for water treatment. <i>Environmental Science: Nano</i> , 2018, 5, 3004-3010.	4.3	5
33	Comparison of modes of action between fish and zebrafish embryo toxicity for baseline, less inert, reactive and specifically-acting compounds. <i>Chemosphere</i> , 2018, 213, 414-422.	8.2	6
34	Investigation on the relationship between critical body residue and bioconcentration in zebrafish based on bio-uptake kinetics for five nitro-aromatics. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 98, 18-23.	2.7	5
35	Atmospheric Oxidation of Piperazine Initiated by $\cdot\text{Cl}$: Unexpected High Nitrosamine Yield. <i>Environmental Science & Technology</i> , 2018, 52, 9801-9809.	10.0	45
36	Unveiling the important roles of coexisting contaminants on photochemical transformations of pharmaceuticals: Fibrate drugs as a case study. <i>Journal of Hazardous Materials</i> , 2018, 358, 216-221.	12.4	19

#	ARTICLE	IF	CITATIONS
37	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
38	Effects of Atmospheric Water on $\hat{\text{A}}\cdot\text{OH}$ -initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCPP. Environmental Science & Technology, 2017, 51, 5043-5051.	10.0	78
39	Discriminating modes of toxic action in mice using toxicity in BALB/c mouse fibroblast (3T3) cells. Chemosphere, 2017, 188, 73-80.	8.2	8
40	Toxicity of 13 different antibiotics towards freshwater green algae <i>Pseudokirchneriella subcapitata</i> and their modes of action. Chemosphere, 2017, 168, 217-222.	8.2	126
41	Molecular Insights into the pH-Dependent Adsorption and Removal of Ionizable Antibiotic Oxytetracycline by Adsorbent Cyclodextrin Polymers. PLoS ONE, 2014, 9, e86228.	2.5	10
42	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
43	Predicting Gaseous Reaction Rates of Short Chain Chlorinated Paraffins with $\hat{\text{A}}\cdot\text{OH}$: Overcoming the Difficulty in Experimental Determination. Environmental Science & Technology, 2014, 48, 13808-13816.	10.0	67
44	Atmospheric Chemical Reactions of Monoethanolamine Initiated by OH Radical: Mechanistic and Kinetic Study. Environmental Science & Technology, 2014, 48, 1700-1706.	10.0	89