

Chao Li

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,123
citations

394421

19
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414414

32
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44
all docs

44
docs citations

44
times ranked

1073
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Toxicity of 13 different antibiotics towards freshwater green algae <i>Pseudokirchneriella subcapitata</i> and their modes of action. <i>Chemosphere</i> , 2017, 168, 217-222. | 8.2 | 126 |
| 2 | Atmospheric Chemical Reactions of Monoethanolamine Initiated by OH Radical: Mechanistic and Kinetic Study. <i>Environmental Science & Technology</i> , 2014, 48, 1700-1706. | 10.0 | 89 |
| 3 | Effects of Atmospheric Water on $\hat{\text{A}}\text{-OH}$ -initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCP. <i>Environmental Science & Technology</i> , 2017, 51, 5043-5051. | 10.0 | 78 |
| 4 | Predicting Gaseous Reaction Rates of Short Chain Chlorinated Paraffins with $\hat{\text{A}}\text{-OH}$: Overcoming the Difficulty in Experimental Determination. <i>Environmental Science & Technology</i> , 2014, 48, 13808-13816. | 10.0 | 67 |
| 5 | 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 |
| 6 | 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 |
| 7 | Development of a model for predicting hydroxyl radical reaction rate constants of organic chemicals at different temperatures. <i>Chemosphere</i> , 2014, 95, 613-618. | 8.2 | 45 |
| 8 | Atmospheric Oxidation of Piperazine Initiated by $\hat{\text{A}}\text{-Cl}$: Unexpected High Nitrosamine Yield. <i>Environmental Science & Technology</i> , 2018, 52, 9801-9809. | 10.0 | 45 |
| 9 | Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. <i>Water Research</i> , 2020, 185, 116241. | 11.3 | 36 |
| 10 | QSAR modeling for the ozonation of diverse organic compounds in water. <i>Science of the Total Environment</i> , 2020, 715, 136816. | 8.0 | 33 |
| 11 | Atmospheric Fate and Risk Investigation of Typical Liquid Crystal Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3600-3607. | 6.7 | 32 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Bio-uptake, tissue distribution and metabolism of a neonicotinoid insecticide clothianidin in zebrafish. <i>Environmental Pollution</i> , 2022, 292, 118317. | 7.5 | 18 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Electrochemical Cleaning of Fouled Laminar Graphene Membranes. <i>Environmental Science and Technology Letters</i> , 2020, 7, 773-778. | 8.7 | 13 |
| 29 | Atmospheric chemical reaction mechanism and kinetics of 1,2-bis(2,4,6-tribromophenoxy)ethane initiated by OH radical: a computational study. <i>RSC Advances</i> , 2017, 7, 9484-9494. | 3.6 | 11 |
| 30 | Molecular Insights into the pH-Dependent Adsorption and Removal of Ionizable Antibiotic Oxytetracycline by Adsorbent Cyclodextrin Polymers. <i>PLoS ONE</i> , 2014, 9, e86228. | 2.5 | 10 |
| 31 | 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 |
| 32 | 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 |
| 33 | Discriminating modes of toxic action in mice using toxicity in BALB/c mouse fibroblast (3T3) cells. <i>Chemosphere</i> , 2017, 188, 73-80. | 8.2 | 8 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Theoretical consideration on the prediction of inÂvivo toxicity from inÂvitro toxicity: Effect of bio-uptake equilibrium, kinetics and mode of action. <i>Chemosphere</i> , 2019, 221, 433-440. | 8.2 | 6 |
| 38 | Integration of an XGBoost model and EIS detection to determine the effect of low inhibitor concentrations on E. coli. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114534. | 3.8 | 6 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Identification of active or inactive agonists of tumor suppressor protein based on Tox21 library. <i>Toxicology</i> , 2022, , 153224. | 4.2 | 0 |