

Deming Xia

List of Publications by Year in descending order

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840776

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397
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#	ARTICLE	IF	CITATIONS
1	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
2	Mechanistic Understanding of Superoxide Radical-Mediated Degradation of Perfluorocarboxylic Acids. <i>Environmental Science & Technology</i> , 2022, 56, 624-633.	10.0	45
3	Development of Prediction Models on Base-Catalyzed Hydrolysis Kinetics of Phthalate Esters with Density Functional Theory Calculation. <i>Environmental Science & Technology</i> , 2019, 53, 5828-5837.	10.0	41
4	Modeling adsorption of organic pollutants onto single-walled carbon nanotubes with theoretical molecular descriptors using MLR and SVM algorithms. <i>Chemosphere</i> , 2019, 214, 79-84.	8.2	35
5	Prediction Models on pK_a and Base-Catalyzed Hydrolysis Kinetics of Parabens: Experimental and Quantum Chemical Studies. <i>Environmental Science & Technology</i> , 2021, 55, 6022-6031.	10.0	31
6	Formation of free radicals by direct photolysis of halogenated phenols (HPs) and effects of DOM: A case study on monobromophenols. <i>Journal of Hazardous Materials</i> , 2020, 391, 122220.	12.4	28
7	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. <i>Food Chemistry</i> , 2018, 258, 87-94.	8.2	27
8	Potential Application of Machine-Learning-Based Quantum Chemical Methods in Environmental Chemistry. <i>Environmental Science & Technology</i> , 2022, 56, 2115-2123.	10.0	22
9	Atmospheric Chemistry of Allylic Radicals from Isoprene: A Successive Cyclization-Driven Autoxidation Mechanism. <i>Environmental Science & Technology</i> , 2021, 55, 4399-4409.	10.0	20
10	Formation Mechanisms of Iodine-Ammonia Clusters in Polluted Coastal Areas Unveiled by Thermodynamics and Kinetic Simulations. <i>Environmental Science & Technology</i> , 2020, 54, 9235-9242.	10.0	18
11	Heterogeneous Formation of HONO Catalyzed by CO_2 . <i>Environmental Science & Technology</i> , 2021, 55, 12215-12222.	10.0	16
12	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
13	Role of hydrogen bond capacity of solvents in reactions of amines with CO_2 : A computational study. <i>Journal of Environmental Sciences</i> , 2020, 91, 271-278.	6.1	11
14	Probing key organic substances driving new particle growth initiated by iodine nucleation in coastal atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9821-9835.	4.9	8
15	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. <i>Chemosphere</i> , 2021, 284, 131354.	8.2	4
16	Simulating and Predicting Adsorption of Organic Pollutants onto Black Phosphorus Nanomaterials. <i>Nanomaterials</i> , 2022, 12, 590.	4.1	4
17	Response to Comment on "Mechanistic Understanding of Superoxide Radical-Mediated Degradation of Perfluorocarboxylic Acids". <i>Environmental Science & Technology</i> , 2022, 56, 5289-5291.	10.0	2