

Kimberly M Parker

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,171
citations

623734

14
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid water disinfection using vertically aligned MoS ₂ nanofilms and visible light. <i>Nature Nanotechnology</i> , 2016, 11, 1098-1104.	31.5	681
2	Iodide, Bromide, and Ammonium in Hydraulic Fracturing and Oil and Gas Wastewaters: Environmental Implications. <i>Environmental Science & Technology</i> , 2015, 49, 1955-1963.	10.0	215
3	Halogen Radical Oxidants in Natural and Engineered Aquatic Systems. <i>Environmental Science & Technology</i> , 2018, 52, 9579-9594.	10.0	203
4	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1089-1122.	3.5	180
5	Halogen radicals contribute to photooxidation in coastal and estuarine waters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5868-5873.	7.1	174
6	Enhanced Formation of Disinfection Byproducts in Shale Gas Wastewater-Impacted Drinking Water Supplies. <i>Environmental Science & Technology</i> , 2014, 48, 11161-11169.	10.0	157
7	Influence of Ionic Strength on Triplet-State Natural Organic Matter Loss by Energy Transfer and Electron Transfer Pathways. <i>Environmental Science & Technology</i> , 2013, 47, 10987-10994.	10.0	109
8	Development of Predictive Models for the Degradation of Halogenated Disinfection Byproducts during the UV/H ₂ O ₂ Advanced Oxidation Process. <i>Environmental Science & Technology</i> , 2016, 50, 11209-11217.	10.0	95
9	Environmental Fate of RNA Interference Pesticides: Adsorption and Degradation of Double-Stranded RNA Molecules in Agricultural Soils. <i>Environmental Science & Technology</i> , 2019, 53, 3027-3036.	10.0	89
10	Regulated and unregulated halogenated disinfection byproduct formation from chlorination of saline groundwater. <i>Water Research</i> , 2017, 122, 633-644.	11.3	80
11	Halogen Radicals Promote the Photodegradation of Microcystins in Estuarine Systems. <i>Environmental Science & Technology</i> , 2016, 50, 8505-8513.	10.0	51
12	Environmental Fate of Insecticidal Plant-Incorporated Protectants from Genetically Modified Crops: Knowledge Gaps and Research Opportunities. <i>Environmental Science & Technology</i> , 2017, 51, 12049-12057.	10.0	34
13	Duplex Structure of Double-Stranded RNA Provides Stability against Hydrolysis Relative to Single-Stranded RNA. <i>Environmental Science & Technology</i> , 2021, 55, 8045-8053.	10.0	20
14	Analysis of RNA Interference (RNAi) Biopesticides: Double-Stranded RNA (dsRNA) Extraction from Agricultural Soils and Quantification by RT-qPCR. <i>Environmental Science & Technology</i> , 2020, 54, 4893-4902.	10.0	17
15	Hematite/selenium disulfide hybrid catalyst for enhanced Fe(III)/Fe(II) redox cycling in advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2022, 424, 127376.	12.4	16
16	Halogen Radicals Contribute to the Halogenation and Degradation of Chemical Additives Used in Hydraulic Fracturing. <i>Environmental Science & Technology</i> , 2021, 55, 1545-1554.	10.0	9
17	Herbicide Drift from Genetically Engineered Herbicide-Tolerant Crops. <i>Environmental Science & Technology</i> , 2021, 55, 15559-15568.	10.0	9
18	Adsorption of double-stranded ribonucleic acids (dsRNA) to iron (oxyhydr)-oxide surfaces: comparative analysis of model dsRNA molecules and deoxyribonucleic acids (DNA). <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 605-620.	3.5	8

#	ARTICLE	IF	CITATIONS
19	Hydrogen Bonding Site Number Predicts Dicamba Volatilization from Amine Salts. Environmental Science & Technology, 2020, 54, 13630-13637.	10.0	7
20	Electrochemical characterization of the plasma-water interface. Journal Physics D: Applied Physics, 2020, 53, 165202.	2.8	7
21	Metal-Catalyzed Hydrolysis of RNA in Aqueous Environments. Environmental Science & Technology, 2022, 56, 3564-3574.	10.0	5
22	The Overlooked Photochemistry of Iodine in Aqueous Suspensions of Fullerene Derivatives. ACS Nano, 2022, 16, 8309-8317.	14.6	4