Kimberly M Parker

List of Publications by Year
in descending order

22	2,171	623734	642732
papers	citations	14 h-index	23 g-index

23	23	23	3119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hematite/selenium disulfide hybrid catalyst for enhanced Fe(III)/Fe(II) redox cycling in advanced oxidation processes. Journal of Hazardous Materials, 2022, 424, 127376.	12.4	16
2	Metal-Catalyzed Hydrolysis of RNA in Aqueous Environments. Environmental Science & Technology, 2022, 56, 3564-3574.	10.0	5
3	The Overlooked Photochemistry of Iodine in Aqueous Suspensions of Fullerene Derivatives. ACS Nano, 2022, 16, 8309-8317.	14.6	4
4	Halogen Radicals Contribute to the Halogenation and Degradation of Chemical Additives Used in Hydraulic Fracturing. Environmental Science & Technology, 2021, 55, 1545-1554.	10.0	9
5	Duplex Structure of Double-Stranded RNA Provides Stability against Hydrolysis Relative to Single-Stranded RNA. Environmental Science & Technology, 2021, 55, 8045-8053.	10.0	20
6	Adsorption of double-stranded ribonucleic acids (dsRNA) to iron (oxyhydr-)oxide surfaces: comparative analysis of model dsRNA molecules and deoxyribonucleic acids (DNA). Environmental Sciences: Processes and Impacts, 2021, 23, 605-620.	3.5	8
7	Herbicide Drift from Genetically Engineered Herbicide-Tolerant Crops. Environmental Science & Technology, 2021, 55, 15559-15568.	10.0	9
8	Hydrogen Bonding Site Number Predicts Dicamba Volatilization from Amine Salts. Environmental Science & Technology, 2020, 54, 13630-13637.	10.0	7
9	Analysis of RNA Interference (RNAi) Biopesticides: Double-Stranded RNA (dsRNA) Extraction from Agricultural Soils and Quantification by RT-qPCR. Environmental Science & Technology, 2020, 54, 4893-4902.	10.0	17
10	Electrochemical characterization of the plasma-water interface. Journal Physics D: Applied Physics, 2020, 53, 165202.	2.8	7
11	Environmental Fate of RNA Interference Pesticides: Adsorption and Degradation of Double-Stranded RNA Molecules in Agricultural Soils. Environmental Science & Technology, 2019, 53, 3027-3036.	10.0	89
12	Halogen Radical Oxidants in Natural and Engineered Aquatic Systems. Environmental Science & Technology, 2018, 52, 9579-9594.	10.0	203
13	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. Environmental Sciences: Processes and Impacts, 2018, 20, 1089-1122.	3.5	180
14	Regulated and unregulated halogenated disinfection byproduct formation from chlorination of saline groundwater. Water Research, 2017, 122, 633-644.	11.3	80
15	Environmental Fate of Insecticidal Plant-Incorporated Protectants from Genetically Modified Crops: Knowledge Gaps and Research Opportunities. Environmental Science & Technology, 2017, 51, 12049-12057.	10.0	34
16	Halogen radicals contribute to photooxidation in coastal and estuarine waters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5868-5873.	7.1	174
17	Rapid water disinfection using vertically aligned MoS2 nanofilms and visible light. Nature Nanotechnology, 2016, 11, 1098-1104.	31.5	681
18	Development of Predictive Models for the Degradation of Halogenated Disinfection Byproducts during the UV/H₂O₂ Advanced Oxidation Process. Environmental Science & Technology, 2016, 50, 11209-11217.	10.0	95

#	Article	IF	Citations
19	Halogen Radicals Promote the Photodegradation of Microcystins in Estuarine Systems. Environmental Science & Technology, 2016, 50, 8505-8513.	10.0	51
20	Iodide, Bromide, and Ammonium in Hydraulic Fracturing and Oil and Gas Wastewaters: Environmental Implications. Environmental Science & Technology, 2015, 49, 1955-1963.	10.0	215
21	Enhanced Formation of Disinfection Byproducts in Shale Gas Wastewater-Impacted Drinking Water Supplies. Environmental Science & Technology, 2014, 48, 11161-11169.	10.0	157
22	Influence of Ionic Strength on Triplet-State Natural Organic Matter Loss by Energy Transfer and Electron Transfer Pathways. Environmental Science & Technology, 2013, 47, 10987-10994.	10.0	109