

Kimberly E Carter

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,499
citations

586496

16
h-index

620720

26
g-index

27
all docs

27
docs citations

27
times ranked

3309
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Activated persulfate for organic chemical degradation: A review. <i>Chemosphere</i> , 2016, 151, 178-188. | 4.2 | 1,144 |
| 2 | Temporal Changes in Microbial Ecology and Geochemistry in Produced Water from Hydraulically Fractured Marcellus Shale Gas Wells. <i>Environmental Science & Technology</i> , 2014, 48, 6508-6517. | 4.6 | 244 |
| 3 | Oxidative Destruction of Perfluorooctane Sulfonate Using Boron-Doped Diamond Film Electrodes. <i>Environmental Science & Technology</i> , 2008, 42, 6111-6115. | 4.6 | 193 |
| 4 | Understanding Electrochemically Activated Persulfate and Its Application to Ciprofloxacin Abatement. <i>Environmental Science & Technology</i> , 2018, 52, 5875-5883. | 4.6 | 143 |
| 5 | An approach for assessing engineering risk from shale gas wells in the United States. <i>International Journal of Coal Geology</i> , 2014, 126, 4-19. | 1.9 | 113 |
| 6 | Removal of Perfluorooctane and Perfluorobutane Sulfonate from Water via Carbon Adsorption and Ion Exchange. <i>Separation Science and Technology</i> , 2010, 45, 762-767. | 1.3 | 107 |
| 7 | Experimental insights into geochemical changes in hydraulically fractured Marcellus Shale. <i>Applied Geochemistry</i> , 2017, 76, 36-50. | 1.4 | 94 |
| 8 | Water usage for natural gas production through hydraulic fracturing in the United States from 2008 to 2014. <i>Journal of Environmental Management</i> , 2016, 170, 152-159. | 3.8 | 78 |
| 9 | Sustained persulfate activation using solid iron: Kinetics and application to ciprofloxacin degradation. <i>Chemical Engineering Journal</i> , 2017, 307, 650-660. | 6.6 | 62 |
| 10 | Investigating the effects of heat activated persulfate on the degradation of furfural, a component of hydraulic fracturing fluid chemical additives. <i>Chemical Engineering Journal</i> , 2017, 327, 1021-1032. | 6.6 | 50 |
| 11 | Electrochemical Oxidation of Trichloroethylene Using Boron-Doped Diamond Film Electrodes. <i>Environmental Science & Technology</i> , 2009, 43, 8350-8354. | 4.6 | 40 |
| 12 | Characterization of the chemicals used in hydraulic fracturing fluids for wells located in the Marcellus Shale Play. <i>Journal of Environmental Management</i> , 2017, 200, 312-324. | 3.8 | 36 |
| 13 | Furfural degradation through heat-activated persulfate: Impacts of simulated brine and elevated pressures. <i>Chemical Engineering Journal</i> , 2018, 353, 727-735. | 6.6 | 34 |
| 14 | Modeling potential occupational inhalation exposures and associated risks of toxic organics from chemical storage tanks used in hydraulic fracturing using AERMOD. <i>Environmental Pollution</i> , 2017, 224, 300-309. | 3.7 | 28 |
| 15 | Adsorption of hydraulic fracturing fluid components 2-butoxyethanol and furfural onto granular activated carbon and shale rock. <i>Chemosphere</i> , 2016, 164, 585-592. | 4.2 | 25 |
| 16 | <i>In situ</i> transformation of hydraulic fracturing surfactants from well injection to produced water. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1777-1786. | 1.7 | 16 |
| 17 | Extending a classical EOS correlation to represent solid–fluid phase equilibria. <i>Fluid Phase Equilibria</i> , 2006, 243, 151-155. | 1.4 | 15 |
| 18 | Degradation of hydraulic fracturing additive 2-butoxyethanol using heat activated persulfate in the presence of shale rock. <i>Chemosphere</i> , 2018, 206, 398-404. | 4.2 | 15 |

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|----|---|-----|-----------|
| 19 | Hydraulic Fracturing and Organic Compounds - Uses, Disposal and Challenges. , 2013, , . | | 14 |
| 20 | Surface Water Microbial Community Response to the Biocide 2,2-Dibromo-3-Nitrilopropionamide, Used in Unconventional Oil and Gas Extraction. Applied and Environmental Microbiology, 2019, 85, . | 1.4 | 12 |
| 21 | Hazardous substances as the dominant non-methane volatile organic compounds with potential emissions from liquid storage tanks during well fracturing: A modeling approach. Journal of Environmental Management, 2020, 268, 110715. | 3.8 | 10 |
| 22 | Extraction and recovery of 2-butoxyethanol from aqueous phases containing high saline concentration. Analytical Chemistry Research, 2016, 9, 1-7. | 2.0 | 7 |
| 23 | Sustained release of persulfate from inert inorganic materials for groundwater remediation. Chemosphere, 2020, 259, 127508. | 4.2 | 7 |
| 24 | Shale particle interactions with organic and inorganic hydraulic fracturing additives. Applied Geochemistry, 2021, 127, 104901. | 1.4 | 4 |
| 25 | Calibration strategy for semi-quantitative direct gas analysis using inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 712-725. | 1.5 | 3 |
| 26 | Evaluation of engineered sorbents for the sorption of mercury from contaminated bank soils: a column study. Environmental Science and Pollution Research, 2021, 28, 22651-22663. | 2.7 | 3 |
| 27 | A method for direct, semi-quantitative analysis of gas phase samples using gas chromatographyâ€“inductively coupled plasma-mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 85, 34-44. | 1.5 | 2 |