Xiaoyang Meng

List of Publications by Year
in descending order

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20 papers	1,356 citations	430754 18 h-index	752573 20 g-index
20 all docs	20 docs citations	20 times ranked	1349 citing authors

#	Article	IF	Citations
1	Electrochemical oxidation of ofloxacin using a TiO2-based SnO2-Sb/polytetrafluoroethylene resin-PbO2 electrode: Reaction kinetics and mass transfer impact. Applied Catalysis B: Environmental, 2017, 203, 515-525.	10.8	212
2	Impact of Chloride Ions on UV/H₂O₂ and UV/Persulfate Advanced Oxidation Processes. Environmental Science & Technology, 2018, 52, 7380-7389.	4.6	178
3	Electrochemical degradation of methylisothiazolinone by using Ti/SnO2-Sb2O3/Î±, Î²-PbO2 electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. Chemical Engineering Journal, 2019, 374, 626-636.	6.6	133
4	Oxidation of Microcystin-LR via Activation of Peroxymonosulfate Using Ascorbic Acid: Kinetic Modeling and Toxicity Assessment. Environmental Science & Technology, 2018, 52, 4305-4312.	4.6	114
5	Electrochemical oxidation of cinnamic acid with Mo modified PbO 2 electrode: Electrode characterization, kinetics and degradation pathway. Chemical Engineering Journal, 2016, 289, 239-246.	6.6	100
6	Antimony Removal from Aqueous Solution Using Novel Î±-MnO₂ Nanofibers: Equilibrium, Kinetic, and Density Functional Theory Studies. ACS Sustainable Chemistry and Engineering, 2017, 5, 2255-2264.	3.2	85
7	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. Environmental Science & Technology, 2019, 53, 4335-4345.	4.6	70
8	Kinetic, mechanism and mass transfer impact on electrochemical oxidation of MIT using Ti-enhanced nanotube arrays/SnO2-Sb anode. Electrochimica Acta, 2019, 323, 134779.	2.6	54
9	Closed-Loop Electrochemical Recycling of Spent Copper(II) from Etchant Wastewater Using a Carbon Nanotube Modified Graphite Felt Anode. Environmental Science & Technology, 2018, 52, 5940-5948.	4.6	53
10	Endoplasmic reticulum stress in murine liver and kidney exposed to microcystin-LR. Toxicon, 2010, 56, 1334-1341.	0.8	46
11	Development of a Three-Dimensional Electrochemical System Using a Blue TiO₂/SnO₂â€“Sb₂O₃ Anode for Treating Low-Ionic-Strength Wastewater. Environmental Science & Technology, 2019, 53, 13784-13793.	4.6	45
12	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H*. Journal of Hazardous Materials, 2018, 358, 294-301.	6.5	44
13	Distribution and sources of polycyclic aromatic hydrocarbons and phthalic acid esters in water and surface sediment from the Three Gorges Reservoir. Journal of Environmental Sciences, 2018, 69, 271-280.	3.2	42
14	Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO2-nanotubes array. Environment International, 2020, 140, 105813.	4.8	40
15	Bioregeneration of Spent Anion Exchange Resin for Treatment of Nitrate in Water. Environmental Science & Technology, 2014, 48, 1541-1548.	4.6	35
16	Electrochemical degradation of ciprofloxacin on BDD anode using a differential column batch reactor: mechanisms, kinetics and pathways. Environmental Science and Pollution Research, 2019, 26, 17740-17750.	2.7	33
17	Fabrication and Electrochemical Treatment Application of an Al-Doped PbO₂Electrode with High Oxidation Capability, Oxygen Evolution Potential and Reusability. Journal of the Electrochemical Society, 2015, 162, E258-E262.	1.3	30
18	A novel lanthanum-modified copper tailings adsorbent for phosphate removal from water. Chemosphere, 2021, 281, 130779.	4.2	20

#	Article	IF	Citations
19	Degradation kinetics of target compounds and correlations with spectral indices during UV/H2O2 post-treatment of biologically treated acrylonitrile wastewater. Chemosphere, 2020, 243, 125384.	4.2	12
20	Electrochemical oxidation of Microcystis aeruginosa using a Ti/RuO2 anode: contributions of electrochemically generated chlorines and hydrogen peroxide. Environmental Science and Pollution Research, 2018, 25, 27924-27934.	2.7	10