

# Guangsen Xia

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrogeneration of hydrogen peroxide for electro-Fenton via oxygen reduction using polyacrylonitrile-based carbon fiber brush cathode. <i>Electrochimica Acta</i> , 2015, 158, 390-396.	5.2	106
2	The competition between cathodic oxygen and ozone reduction and its role in dictating the reaction mechanisms of an electro-peroxone process. <i>Water Research</i> , 2017, 118, 26-38.	11.3	73
3	Carbon Dots Decorated Hierarchical NiCo <sub>2</sub> S <sub>4</sub> /Ni <sub>3</sub> S <sub>2</sub> Composite for Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2610-2618.	6.7	49
4	An energy-saving production of hydrogen peroxide via oxygen reduction for electro-Fenton using electrochemically modified polyacrylonitrile-based carbon fiber brush cathode. <i>Separation and Purification Technology</i> , 2015, 156, 553-560.	7.9	42
5	Scotch-tape-like exfoliation effect of graphene quantum dots for efficient preparation of graphene nanosheets in water. <i>Applied Surface Science</i> , 2019, 483, 52-59.	6.1	38
6	Evaluation of the stability of polyacrylonitrile-based carbon fiber electrode for hydrogen peroxide production and phenol mineralization during electro-peroxone process. <i>Chemical Engineering Journal</i> , 2020, 396, 125291.	12.7	31
7	Maximizing electrochemical hydrogen peroxide production from oxygen reduction with superaerophilic electrodes. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120655.	20.2	24
8	Electrochemical activation of commercial polyacrylonitrile-based carbon fiber for the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7707-7713.	2.8	20
9	Electro-Fenton Degradation of Methylene Blue Using Polyacrylonitrile-Based Carbon Fiber Brush Cathode. <i>Clean - Soil, Air, Water</i> , 2015, 43, 229-236.	1.1	19