

# Boyang Mao

## List of Publications by Year in descending order

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20  
papers

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citations

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Ultrafast Macroscopic Assembly of High-Strength Graphene Oxide Membranes by Implanting an Interlaminar Superhydrophilic Aisle. <i>ACS Nano</i> , 2022, 16, 3934-3942.	7.3	13
2	Construction of Confined Bifunctional 2D Material for Efficient Sulfur Resource Recovery and Hg <sup>2+</sup> Adsorption in Desulfurization. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4531-4541.	4.6	13
3	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	4
4	Mild Liquid-Phase Exfoliation of Transition Metal Dichalcogenide Nanosheets for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2022, 5, 8020-8028.	2.4	9
5	An efficient microwave-assisted chelation (MWAC) post-synthetic modification method to produce hierarchical Y zeolites. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110715.	2.2	12
6	Self-Assembled Materials Incorporating Functional Porphyrins and Carbon Nanoplatfoms as Building Blocks for Photovoltaic Energy Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 727574.	1.8	3
7	Amphiphilic engineering of reduced graphene oxides using a carbon nitride coating for superior removal of organic pollutants from wastewater. <i>Carbon</i> , 2021, 184, 479-491.	5.4	7
8	Promoting mercury removal from desulfurization slurry via S-doped carbon nitride/graphene oxide 3D hierarchical framework. <i>Separation and Purification Technology</i> , 2020, 239, 116515.	3.9	35
9	Graphene oxide integrated silicon photonics for detection of vapour phase volatile organic compounds. <i>Scientific Reports</i> , 2020, 10, 9592.	1.6	16
10	Sandwiched Graphene Clad Laminate: A Binder-Free Flexible Printed Circuit Board for 5G Antenna Application. <i>Advanced Engineering Materials</i> , 2020, 22, 2000451.	1.6	42
11	Cellulose nanocrystals (CNCs) as hard templates for preparing mesoporous zeolite Y assemblies with high catalytic activity. <i>Green Chemistry</i> , 2020, 22, 5115-5122.	4.6	23
12	Surface Engineering of Porphyrin Coordination on a Carbon Nanotube for Efficient Hydrogen Evolution. <i>ChemCatChem</i> , 2020, 12, 2469-2477.	1.8	4
13	A practical graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) based fluorescence sensor for the competitive detection of trithiocyanuric acid and mercury ions. <i>Dyes and Pigments</i> , 2019, 170, 107476.	2.0	28
14	Fluorescence detection and removal of copper from water using a biobased and biodegradable 2D soft material. <i>Chemical Communications</i> , 2018, 54, 184-187.	2.2	53
15	Promoting magnesium sulfite oxidation via partly oxidized metal nanoparticles on graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) in the magnesia desulfurization process. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11296-11305.	5.2	23
16	Fluorescence Lifetime Imaging and Super-Resolution Microscopies Shed Light on the Directed and Self-Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. <i>Chemistry - A European Journal</i> , 2017, 23, 9772-9789.	1.7	16
17	Frontispiece: Fluorescence Lifetime Imaging and Super-Resolution Microscopies Shed Light on the Directed and Self-Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
18	Surface Modifications: Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide ( <i>Adv. Funct. Mater.</i> 5/2016). <i>Advanced Functional Materials</i> , 2016, 26, 634-634.	7.8	1

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19	Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide. <i>Advanced Functional Materials</i> , 2016, 26, 687-697.	7.8	17
20	Ion-Transfer Voltammetry at Carbon Nanofibre Membranes Produced by 500°C Graphitisation/Graphenisation of Electrospun Polyacrylonitrile. <i>Electroanalysis</i> , 2014, 26, 69-75.	1.5	2