Boyang Mao

List of Publications by Year
in descending order

20	323	840776 11	839539 18
papers	citations	h-index	g-index

21	21	21	379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast Macroscopic Assembly of High-Strength Graphene Oxide Membranes by Implanting an Interlaminar Superhydrophilic Aisle. ACS Nano, 2022, 16, 3934-3942.	14.6	13
2	Construction of Confined Bifunctional 2D Material for Efficient Sulfur Resource Recovery and Hg²⁺ Adsorption in Desulfurization. Environmental Science & Technology, 2022, 56, 4531-4541.	10.0	13
3	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. Advanced Functional Materials, 2022, 32, .	14.9	4
4	Mild Liquid-Phase Exfoliation of Transition Metal Dichalcogenide Nanosheets for Hydrogen Evolution. ACS Applied Nano Materials, 2022, 5, 8020-8028.	5.0	9
5	An efficient microwave-assisted chelation (MWAC) post-synthetic modification method to produce hierarchical Y zeolites. Microporous and Mesoporous Materials, 2021, 311, 110715.	4.4	12
6	Self-Assembled Materials Incorporating Functional Porphyrins and Carbon Nanoplatforms as Building Blocks for Photovoltaic Energy Applications. Frontiers in Chemistry, 2021, 9, 727574.	3.6	3
7	Amphiphilic engineering of reduced graphene oxides using a carbon nitride coating for superior removal of organic pollutants from wastewater. Carbon, 2021, 184, 479-491.	10.3	7
8	Promoting mercury removal from desulfurization slurry via S-doped carbon nitride/graphene oxide 3D hierarchical framework. Separation and Purification Technology, 2020, 239, 116515.	7.9	35
9	Graphene oxide integrated silicon photonics for detection of vapour phase volatile organic compounds. Scientific Reports, 2020, 10, 9592.	3.3	16
10	Sandwiched Graphene Clad Laminate: A Binderâ€Free Flexible Printed Circuit Board for 5G Antenna Application. Advanced Engineering Materials, 2020, 22, 2000451.	3.5	42
11	Cellulose nanocrystals (CNCs) as hard templates for preparing mesoporous zeolite Y assemblies with high catalytic activity. Green Chemistry, 2020, 22, 5115-5122.	9.0	23
12	Surface Engineering of Porphyrin Coordination on a Carbon Nanotube for Efficient Hydrogen Evolution. ChemCatChem, 2020, 12, 2469-2477.	3.7	4
13	A practical graphitic carbon nitride (g-C3N4) based fluorescence sensor for the competitive detection of trithiocyanuric acid and mercury ions. Dyes and Pigments, 2019, 170, 107476.	3.7	28
14	Fluorescence detection and removal of copper from water using a biobased and biodegradable 2D soft material. Chemical Communications, 2018, 54, 184-187.	4.1	53
15	Promoting magnesium sulfite oxidation via partly oxidized metal nanoparticles on graphitic carbon nitride (g-C₃N₄) in the magnesia desulfurization process. Journal of Materials Chemistry A, 2018, 6, 11296-11305.	10.3	23
16	Fluorescenceâ€Lifetime Imaging and Superâ€Resolution Microscopies Shed Light on the Directedâ€and Selfâ€Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. Chemistry - A European Journal, 2017, 23, 9772-9789.	3.3	16
17	Frontispiece: Fluorescenceâ€Lifetime Imaging and Superâ€Resolution Microscopies Shed Light on the Directedâ€and Selfâ€Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. Chemistry - A European Journal, 2017, 23, .	3.3	0
18	Surface Modifications: Interactions between an Aryl Thioacetateâ€Functionalized Zn(II) Porphyrin and Graphene Oxide (Adv. Funct. Mater. 5/2016). Advanced Functional Materials, 2016, 26, 634-634.	14.9	1

#	Article	IF	Citations
19	Interactions between an Aryl Thioacetateâ€Functionalized Zn(II) Porphyrin and Graphene Oxide. Advanced Functional Materials, 2016, 26, 687-697.	14.9	17
20	Ionâ€Transfer Voltammetry at Carbon Nanofibre Membranes Produced by 500â€‰Â°C Graphitisation/Graphenisation of Electrospun Polyâ€Acrylonitrile. Electroanalysis, 2014, 26, 69-75.	2.9	2