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	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
2	Sandwiched Graphene Clad Laminate: A Binderâ€Free Flexible Printed Circuit Board for 5G Antenna Application. Advanced Engineering Materials, 2020, 22, 2000451.	3.5	42
3	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
4	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
5	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
6	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
7	Interactions between an Aryl Thioacetateâ€Functionalized Zn(II) Porphyrin and Graphene Oxide. Advanced Functional Materials, 2016, 26, 687-697.	14.9	17
8	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
9	Graphene oxide integrated silicon photonics for detection of vapour phase volatile organic compounds. Scientific Reports, 2020, 10, 9592.	3.3	16
10	Ultrafast Macroscopic Assembly of High-Strength Graphene Oxide Membranes by Implanting an Interlaminar Superhydrophilic Aisle. ACS Nano, 2022, 16, 3934-3942.	14.6	13
11	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
12	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
13	Mild Liquid-Phase Exfoliation of Transition Metal Dichalcogenide Nanosheets for Hydrogen Evolution. ACS Applied Nano Materials, 2022, 5, 8020-8028.	5.0	9
14	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
15	Surface Engineering of Porphyrin Coordination on a Carbon Nanotube for Efficient Hydrogen Evolution. ChemCatChem, 2020, 12, 2469-2477.	3.7	4
16	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. Advanced Functional Materials, 2022, 32, .	14.9	4
17	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
18	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

#	Article	IF	Citations
19	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
20	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