Alolika Mukhopadhyay

List of Publications by Year
in descending order

18	1,301	623188 14	887659 17
papers	citations	h-index	g-index

19	19	19	2496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Freestanding Metallic 1T MoS₂ with Dual Ion Diffusion Paths as High Rate Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1702998.	7.8	265
2	3D Printed Highâ€Performance Lithium Metal Microbatteries Enabled by Nanocellulose. Advanced Materials, 2019, 31, e1807313.	11.1	226
3	Metallic MoS₂ for High Performance Energy Storage and Energy Conversion. Small, 2018, 14, e1800640.	5.2	218
4	Ion Transport Nanotube Assembled with Vertically Aligned Metallic MoS₂ for High Rate Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702779.	10.2	181
5	Ultralight, highly thermally insulating and fire resistant aerogel by encapsulating cellulose nanofibers with two-dimensional MoS₂. Nanoscale, 2017, 9, 11452-11462.	2.8	97
6	Metal-Free Aqueous Flow Battery with Novel Ultrafiltered Lignin as Electrolyte. ACS Sustainable Chemistry and Engineering, 2018, 6, 5394-5400.	3.2	52
7	Mass Transfer and Reaction Kinetic Enhanced Electrode for Highâ€Performance Aqueous Flow Batteries. Advanced Functional Materials, 2019, 29, 1903192.	7.8	50
8	Heavy Metal-Free Tannin from Bark for Sustainable Energy Storage. Nano Letters, 2017, 17, 7897-7907.	4.5	46
9	Stable and Highly Ion-Selective Membrane Made from Cellulose Nanocrystals for Aqueous Redox Flow Batteries. Nano Letters, 2019, 19, 8979-8989.	4.5	38
10	Aligned and stable metallic MoS₂ on plasma-treated mass transfer channels for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 25359-25367.	5.2	31
11	Tuning Chiral Nematic Pitch of Bioresourced Photonic Films via Coupling Organic Acid Hydrolysis. Advanced Materials Interfaces, 2019, 6, 1802010.	1.9	30
12	Recent advances in the selective membrane for aqueous redox flow batteries. Materials Today Nano, 2019, 7, 100044.	2.3	23
13	Functionalized Well-Aligned Channels Derived from Wood as a Convection-Enhanced Electrode for Aqueous Flow Batteries. ACS Applied Energy Materials, 2020, 3, 6249-6257.	2.5	19
14	Abundant Organic Dye as an Anolyte for Aqueous Flow Battery with Multielectron Transfer. ACS Applied Energy Materials, 2019, 2, 7425-7437.	2.5	18
15	Lithiumâ€Ion Batteries: Ion Transport Nanotube Assembled with Vertically Aligned Metallic MoS₂ for High Rate Lithiumâ€Ion Batteries (Adv. Energy Mater. 15/2018). Advanced Energy Materials, 2018, 8, 1870071.	10.2	4
16	An ontological approach to engineering requirement representation and analysis. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 337-352.	0.7	2
17	Proton-conductive membranes with percolated transport paths for aqueous redox flow batteries. Materials Today Nano, 2021, 13, 100100.	2.3	1
18	Aqueous Flow Batteries: Mass Transfer and Reaction Kinetic Enhanced Electrode for Highâ€Performance Aqueous Flow Batteries (Adv. Funct. Mater. 43/2019). Advanced Functional Materials, 2019, 29, 1970297.	7.8	0