

Hossain, Md Delowar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8827974/publications.pdf>

Version: 2024-02-01

16
papers

981
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Graphene-Supported Single Atom Catalysts for Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2019, 9, 1803689.	19.5	279
2	Reaction mechanism and kinetics for CO ₂ reduction on nickel single atom catalysts from quantum mechanics. <i>Nature Communications</i> , 2020, 11, 2256.	12.8	140
3	Synthesis of 2D transition metal dichalcogenides by chemical vapor deposition with controlled layer number and morphology. <i>Nano Convergence</i> , 2018, 5, 26.	12.1	119
4	The Potentiality of Rice Husk-Derived Activated Carbon: From Synthesis to Application. <i>Processes</i> , 2020, 8, 203.	2.8	76
5	Tailoring a Three-Phase Microenvironment for High-Performance Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. <i>Matter</i> , 2020, 3, 1774-1790.	10.0	71
6	Highly Reversible Sodiation/Desodiation from a Carbon-Sandwiched SnS ₂ Nanosheet Anode for Sodium Ion Batteries. <i>Nano Letters</i> , 2020, 20, 3844-3851.	9.1	69
7	Selenium Edge as a Selective Anchoring Site for Lithium-Sulfur Batteries with MoSe ₂ /Graphene-Based Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19986-19993.	8.0	67
8	A stretchable, conformable, and biocompatible graphene strain sensor based on a structured hydrogel for clinical application. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27099-27109.	10.3	61
9	Graphitization of low-density amorphous carbon for electrocatalysis electrodes from ReaxFF reactive dynamics. <i>Carbon</i> , 2021, 183, 940-947.	10.3	20
10	New Approach to Unveiling Individual Atomic Layers of 2D Materials and Their Heterostructures. <i>Chemistry of Materials</i> , 2018, 30, 1718-1728.	6.7	19
11	Revealing the mechanism of DNA passing through graphene and boron nitride nanopores. <i>Nanoscale</i> , 2019, 11, 23438-23448.	5.6	15
12	Confinement-Enhanced Rapid Interlayer Diffusion within Graphene-Supported Anisotropic ReSe ₂ Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31147-31154.	8.0	13
13	Modular functionalization of crystalline graphene by recombinant proteins: a nanoplatform for probing biomolecules. <i>Nanoscale</i> , 2018, 10, 22572-22582.	5.6	12
14	Effects of additives on the morphology and stability of PbO ₂ films electrodeposited on nickel substrate for light weight lead-acid battery application. <i>Journal of Energy Storage</i> , 2020, 27, 101108.	8.1	9
15	Effect of Deposition Parameters on the Morphology and Electrochemical Behavior of Lead Dioxide. <i>Journal of Electrochemical Science and Technology</i> , 2017, 8, 197-205.	2.2	6
16	Tellurium-assisted and space-confined growth of graphene single crystals. <i>Carbon</i> , 2021, 173, 54-60.	10.3	5