

Aziz Ahmad

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,857
citations

361413

20
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

2795
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the Synergistic Effect of Novel Ni-Fe in 2D Bimetallic Metal-Organic Frameworks for Enhanced Electrochemical Reduction of CO ₂ . <i>Advanced Materials Interfaces</i> , 2022, 9, 2101505.	3.7	32
2	Removal of azo dye from aqueous solution by a low-cost activated carbon prepared from coal: adsorption kinetics, isotherms study, and DFT simulation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 10234-10247.	5.3	30
3	Combined DFT and experiment: Stabilizing the electrochemical interfaces via boron Lewis acids. <i>Journal of Energy Chemistry</i> , 2021, 59, 100-107.	12.9	12
4	Synthesis and characterization of Bi ₂ O ₃ and Ag-Bi ₂ O ₃ and evaluation of their photocatalytic activities towards photodegradation of crystal violet dye. <i>Physica Scripta</i> , 2021, 96, 125707.	2.5	14
5	A High Energy Density Self-supported and Bendable Organic Electrode for Redox Supercapacitors with a Wide Voltage Window. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 522-530.	3.8	12
6	Effect of pore structure and doping species on charge storage mechanisms in porous carbon-based supercapacitors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2610-2634.	5.9	91
7	Towards optimized Li-ion storage performance: Insight on the oxygen species evolution of hard carbon by H ₂ reduction. <i>Electrochimica Acta</i> , 2020, 337, 135736.	5.2	12
8	A Bifunctional and Free-Standing Organic Composite Film with High Flexibility and Good Tensile Strength for Tribological and Electrochemical Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1900617.	5.8	21
9	A computational study on the characteristics of open-shell H-bonding interaction between carbamic acid (NH ₂ COOH) and HO ₂ , HOS or HSO radicals. <i>Journal of Molecular Modeling</i> , 2019, 25, 189.	1.8	6
10	Biomass-derived porous carbon materials with different dimensions for supercapacitor electrodes: a review. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16028-16045.	10.3	694
11	Phosphorus-modified porous carbon aerogel microspheres as high volumetric energy density electrode for supercapacitor. <i>Electrochimica Acta</i> , 2019, 318, 151-160.	5.2	48
12	Structural Evolution of Phosphorus Species on Graphene with a Stabilized Electrochemical Interface. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11421-11430.	8.0	104
13	Green Synthesis of CoFe ₂ O ₄ and Investigation of its Catalytic Efficiency for Degradation of Dyes in Aqueous Medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 359-371.	2.8	37
14	A hierarchical porous N-doped carbon electrode with superior rate performance and cycling stability for flexible supercapacitors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 986-992.	5.9	30
15	A Carbonyl Compound-Based Flexible Cathode with Superior Rate Performance and Cyclic Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, 1703868.	21.0	128
16	Ag@MnxOy: an effective catalyst for photo-degradation of rhodamine B dye. <i>Environmental Chemistry Letters</i> , 2018, 16, 287-294.	16.2	58
17	Adsorptive removal of Cd ²⁺ from aqueous solutions by a highly stable covalent triazine-based framework. <i>New Journal of Chemistry</i> , 2018, 42, 10234-10242.	2.8	66
18	Combining Electrode Flexibility and Wave-Like Device Architecture for Highly Flexible Li-Ion Batteries. <i>Advanced Materials Technologies</i> , 2017, 2, 1700032.	5.8	29

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19	Efficient sulfur host based on NiCo ₂ O ₄ hollow microtubes for advanced Li-S batteries. Journal of Solid State Chemistry, 2017, 256, 189-195.	2.9	21
20	A Hierarchically Porous Hypercrosslinked and Novel Quinone based Stable Organic Polymer Electrode for Lithium-Ion Batteries. Electrochimica Acta, 2017, 255, 145-152.	5.2	39
21	Poly(3,4-ethylenedioxythiophene)-coated sulfur for flexible and binder-free cathodes of lithium-sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 17647-17652.	10.3	26
22	Mechanical Analyses and Structural Design Requirements for Flexible Energy Storage Devices. Advanced Energy Materials, 2017, 7, 1700535.	19.5	170
23	A comparative study of the removal of Cr(VI) from synthetic solution using natural biosorbents. New Journal of Chemistry, 2017, 41, 10799-10807.	2.8	47
24	A graphene supported polyimide nanocomposite as a high performance organic cathode material for lithium ion batteries. RSC Advances, 2016, 6, 33287-33294.	3.6	46
25	Microwave assisted synthesis of mesoporous NiCo ₂ O ₄ nanosheets as electrode material for advanced flexible supercapacitors. RSC Advances, 2015, 5, 33146-33154.	3.6	65
26	Oxidative Degradation of Oxalic Acid in Aqueous Medium Using Manganese Oxide as Catalyst at Ambient Temperature and Pressure. Arabian Journal for Science and Engineering, 2013, 38, 1739-1748.	1.1	19