

Asad Mehmood

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,066
citations

687363

13
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	High loading of single atomic iron sites in Fe ⁰ /NC oxygen reduction catalysts for proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2022, 5, 311-323.	34.4	248
2	Highly Selective O ₂ Reduction to H ₂ O ₂ Catalyzed by Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon in Alkaline Solution. <i>ACS Catalysis</i> , 2021, 11, 5035-5046.	11.2	36
3	Synthesis of Fe ₃ C@C core-shell catalysts with controlled shell composition for robust oxygen evolution reaction. <i>Applied Surface Science</i> , 2021, 551, 149445.	6.1	22
4	Effects of the induced micro- and meso-porosity on the single site density and turn over frequency of Fe-N-C carbon electrodes for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120068.	20.2	62
5	Development of a highly active Fe N C catalyst with the preferential formation of atomic iron sites for oxygen reduction in alkaline and acidic electrolytes. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 148-157.	9.4	13
6	Deactivation, reactivation and super-activation of Fe-N/C oxygen reduction electrocatalysts: Gas sorption, physical and electrochemical investigation using NO and O ₂ . <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120169.	20.2	24
7	Entangled reduced graphene oxide nanosheets as an insertion anode with large interlayer spacing for high rate Na-ion batteries. <i>Ceramics International</i> , 2020, 46, 27711-27716.	4.8	10
8	Establishing reactivity descriptors for platinum group metal (PGM)-free Fe ⁰ /N ⁰ /C catalysts for PEM fuel cells. <i>Energy and Environmental Science</i> , 2020, 13, 2480-2500.	30.8	205
9	Nanoporous nitrogen doped carbons with enhanced capacity for sodium ion battery anodes. <i>Energy Storage Materials</i> , 2020, 28, 101-111.	18.0	43
10	An Overview of the Recent Progress in the Synthesis and Applications of Carbon Nanotubes. <i>Journal of Carbon Research</i> , 2019, 5, 3.	2.7	128
11	A highly efficient and stable organic additive for the positive electrolyte in vanadium redox flow batteries: taurine biomolecules containing NH_2 and SO_3H functional groups. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4695-4705.	10.3	33
12	Facile Metal Coordination of Active Site Imprinted Nitrogen Doped Carbons for the Conservative Preparation of Non-Noble Metal Oxygen Reduction Electrocatalysts. <i>Advanced Energy Materials</i> , 2018, 8, 1701771.	19.5	73
13	Reduced graphene oxide as a stable and high-capacity cathode material for Na-ion batteries. <i>Scientific Reports</i> , 2017, 7, 40910.	3.3	49
14	lonothermal template transformations for preparation of tubular porous nitrogen doped carbons. <i>Materials Horizons</i> , 2017, 4, 493-501.	12.2	58
15	Excellent electrocatalytic effects of tin through in situ electrodeposition on the performance of all-vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17388-17400.	10.3	62
16	lonothermal Carbon Nanochemistry and Its Use in Energy Conversion. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0