

Hui Luo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5208193/publications.pdf>

Version: 2024-02-01

22
papers

983
citations

471509

17
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural evolution of carbon dots during low temperature pyrolysis. <i>Nanoscale</i> , 2022, 14, 910-918.	5.6	21
2	Metal coordination in C ₂ N-like materials towards dual atom catalysts for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6023-6030.	10.3	21
3	Achieving high initial Coulombic efficiency for competent Na storage by microstructure tailoring from chiral nematic nanocrystalline cellulose. , 2022, 4, 914-923.		13
4	Plasma-Wind-Assisted In ₂ S ₃ Preparation with an Amorphous Surface Structure for Enhanced Photocatalytic Hydrogen Production. <i>Nanomaterials</i> , 2022, 12, 1761.	4.1	3
5	Designer uniform Li plating/stripping through lithium-cobalt alloying hierarchical scaffolds for scalable high-performance lithium-metal anodes. <i>Journal of Energy Chemistry</i> , 2021, 52, 385-392.	12.9	29
6	The impact of having an oxygen-rich microporous surface in carbon electrodes for high-power aqueous supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 53, 36-48.	12.9	24
7	Progress and Perspectives in Photo- and Electrochemical Oxidation of Biomass for Sustainable Chemicals and Hydrogen Production. <i>Advanced Energy Materials</i> , 2021, 11, 2101180.	19.5	200
8	Iron, Nitrogen Co-Doped Carbon Spheres as Low Cost, Scalable Electrocatalysts for the Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2102974.	14.9	35
9	The role of carbon dots derived underlayer in hematite photoanodes. <i>Nanoscale</i> , 2020, 12, 20220-20229.	5.6	9
10	Hybrid Redox Flow Cells with Enhanced Electrochemical Performance via Binderless and Electrophoretically Deposited Nitrogen-Doped Graphene on Carbon Paper Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53869-53878.	8.0	19
11	Ammonia Gas Sensor Response of a Vertical Zinc Oxide Nanorod-Gold Junction Diode at Room Temperature. <i>ACS Sensors</i> , 2020, 5, 3568-3575.	7.8	47
12	Nitrogen-Doped Carbon Dots/TiO ₂ Nanoparticle Composites for Photoelectrochemical Water Oxidation. <i>ACS Applied Nano Materials</i> , 2020, 3, 3371-3381.	5.0	71
13	Recent advances in hydrothermal carbonisation: from tailored carbon materials and biochemicals to applications and bioenergy. <i>Green Chemistry</i> , 2020, 22, 4747-4800.	9.0	136
14	Pt single-atoms supported on nitrogen-doped carbon dots for highly efficient photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14690-14696.	10.3	62
15	How to functionalise metal-organic frameworks to enable guest nanocluster embedment. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4889-4897.	10.3	6
16	Carbon Dots in Solar-to-Hydrogen Conversion. <i>Trends in Chemistry</i> , 2020, 2, 623-637.	8.5	47
17	Manipulating the Optical Properties of Carbon Dots by Fine-tuning their Structural Features. <i>ChemSusChem</i> , 2019, 12, 4432-4441.	6.8	33
18	Charge/discharge and cycling performance of flexible carbon paper electrodes in a regenerative hydrogen/vanadium fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30093-30107.	7.1	14

#	ARTICLE	IF	CITATIONS
19	Boosting the Oxygen Reduction Electrocatalytic Performance of Nonprecious Metal Nanocarbons via Triple Boundary Engineering Using Protic Ionic Liquids. ACS Applied Materials & Interfaces, 2019, 11, 11298-11305.	8.0	34
20	Unveiling the role of hydrothermal carbon dots as anodes in sodium-ion batteries with ultrahigh initial coulombic efficiency. Journal of Materials Chemistry A, 2019, 7, 27567-27575.	10.3	69
21	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. Materials Horizons, 2018, 5, 423-428.	12.2	55
22	Highly active platinum electrocatalyst towards oxygen reduction reaction in renewable energy generations of proton exchange membrane fuel cells. Applied Energy, 2016, 173, 59-66.	10.1	32