

Lujie Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synergistic electronic and morphological modulation on ternary Co _{1-x} V _x P nanoneedle arrays for hydrogen evolution reaction with large current density. <i>Science China Materials</i> , 2021, 64, 880-891.	3.5	19
2	Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 514-521.	4.0	40
3	Single copper sites dispersed on defective TiO ₂ as a synergistic oxygen reduction reaction catalyst. <i>Journal of Chemical Physics</i> , 2021, 154, 034705.	1.2	7
4	Structure Engineering of MoS ₂ via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. <i>Small</i> , 2020, 16, e1905738.	5.2	112
5	A Co-Doped Nanorod-like RuO ₂ Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. <i>Science</i> , 2020, 23, 100756.	1.9	125
6	Designing Efficient Dual-Metal Single-Atom Electrocatalyst TMZnN ₆ (TM = Mn, Fe, Co, Ni). <i>Journal of Physical Chemistry C</i> , 2020, 124, 11547-11554.	1.5	47
7	Lamellarly Stacking Porous N, P Co-Doped Mo ₂ C/C Nanosheets as High Performance Anode for Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1805022.	5.2	43
8	In Situ Study of K ⁺ Electrochemical Intercalating into MoS ₂ Flakes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5067-5072.	1.5	26
9	Vanadium self-intercalated C/V _{1.11} S ₂ nanosheets with abundant active sites for enhanced electro-catalytic hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 300, 208-216.	2.6	19
10	Tunable Redox Chemistry and Stability of Radical Intermediates in 2D Covalent Organic Frameworks for High Performance Sodium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 9623-9628.	6.6	276
11	Cobalt-Vanadium Hydroxide Nanoneedles with a Free-Standing Structure as High-Performance Oxygen Evolution Reaction Electrocatalysts. <i>ChemElectroChem</i> , 2019, 6, 2050-2055.	1.7	24
12	A novel Mn/Co dual nanoparticle decorated hierarchical carbon structure derived from a biopolymer hydrogel as a highly efficient electro-catalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2019, 55, 13900-13903.	2.2	10
13	Synergistic Effects of C _{1±} -MoC and Ag for Efficient Oxygen Reduction Reaction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 779-784.	2.1	33
14	Supramolecular hydrogel directed self-assembly of C- and N-doped hollow CuO as high-performance anode materials for Li-ion batteries. <i>Chemical Communications</i> , 2017, 53, 2138-2141.	2.2	41
15	Low-Cost and Novel Si-Based Gel for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10699-10707.	4.0	42
16	Biopolymer-chitosan based supramolecular hydrogels as solid state electrolytes for electrochemical energy storage. <i>Chemical Communications</i> , 2017, 53, 1615-1618.	2.2	91
17	Exploring an effective oxygen reduction reaction catalyst via 4e ⁻ process based on waved-graphene. <i>Science China Materials</i> , 2017, 60, 739-746.	3.5	11
18	Efficient coupling of a hierarchical V ₂ O ₅ @Ni ₃ S ₂ hybrid nanoarray for pseudocapacitors and hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17954-17962.	5.2	88

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19	Bimetallic organic frameworks derived CuNi/carbon nanocomposites as efficient electrocatalysts for oxygen reduction reaction. <i>Science China Materials</i> , 2017, 60, 654-663.	3.5	110
20	Understanding and suppressing side reactions in Li-air batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2495-2510.	3.2	59
21	Highly durable organic electrode for sodium-ion batteries via a stabilized $\dot{\text{I}}\text{-C}$ radical intermediate. <i>Nature Communications</i> , 2016, 7, 13318.	5.8	226
22	Multistimuli-Responsive, Moldable Supramolecular Hydrogels Cross-Linked by Ultrafast Complexation of Metal Ions and Biopolymers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7944-7948.	7.2	257
23	Multistimuli-Responsive, Moldable Supramolecular Hydrogels Cross-Linked by Ultrafast Complexation of Metal Ions and Biopolymers. <i>Angewandte Chemie</i> , 2015, 127, 8055-8059.	1.6	44
24	Large-scale fabrication of porous carbon-decorated iron oxide microcuboids from Fe-MOF as high-performance anode materials for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 7356-7362.	1.7	57
25	Facile electrodeposition of 3D concentration-gradient Ni-Co hydroxide nanostructures on nickel foam as high performance electrodes for asymmetric supercapacitors. <i>Nano Research</i> , 2015, 8, 2744-2754.	5.8	90
26	A high performance O_2 -selective membrane based on CAU-1- NH_2 @polydopamine and the PMMA polymer for Li-air batteries. <i>Chemical Communications</i> , 2015, 51, 4364-4367.	2.2	107