Lujie Cao

List of Publications by Year in Descending Order

26 papers	1,440 citations	19 h-index	26 g-index
26 ext. papers	1,721 ext. citations	7.9 avg, IF	4.61 L-index

#	Paper	IF	Citations
26	Synergistic electronic and morphological modulation on ternary Co1−xVxP nanoneedle arrays for hydrogen evolution reaction with large current density. *Science China Materials*, **2021**, 64, 880-891	7.1	9
25	Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 514-521	9.5	20
24	Single copper sites dispersed on defective TiO as a synergistic oxygen reduction reaction catalyst. *Journal of Chemical Physics*, **2021**, 154, 034705	3.9	1
23	Designing Efficient Dual-Metal Single-Atom Electrocatalyst TMZnN6 (TM = Mn, Fe, Co, Ni, Cu, Zn) for Oxygen Reduction Reaction. *Journal of Physical Chemistry C*, **2020**, 124, 11301-11307	3.8	29
22	Structure Engineering of MoS via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. *Small*, **2020**, 16, e1905738	11	61
21	A Co-Doped Nanorod-like RuO Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. *IScience*, **2020**, 23, 100756	6.1	61
20	Lamellarly Stacking Porous N, P Co-Doped Mo C/C Nanosheets as High Performance Anode for Lithium-Ion Batteries. *Small*, **2019**, 15, e1805022	11	35
19	In Situ Study of K+ Electrochemical Intercalating into MoS2 Flakes. *Journal of Physical Chemistry C*, **2019**, 123, 5067-5072	3.8	18
18	Vanadium self-intercalated C/V1.11S2 nanosheets with abundant active sites for enhanced electro-catalytic hydrogen evolution. *Electrochimica Acta*, **2019**, 300, 208-216	6.7	12
17	Tunable Redox Chemistry and Stability of Radical Intermediates in 2D Covalent Organic Frameworks for High Performance Sodium Ion Batteries. *Journal of the American Chemical Society*, **2019**, 141, 9623-9628	16.4	158
16	Cobalt-Vanadium Hydroxide Nanoneedles with a Free-Standing Structure as High-Performance Oxygen Evolution Reaction Electrocatalysts. *ChemElectroChem*, **2019**, 6, 2050-2055	4.3	19
15	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. *Chemical Communications*, **2019**, 55, 13900-13903	5.8	8
14	Synergistic Effects of C/MoC and Ag for Efficient Oxygen Reduction Reaction. *Journal of Physical Chemistry Letters*, **2018**, 9, 779-784	6.4	32
13	Supramolecular hydrogel directed self-assembly of C- and N-doped hollow CuO as high-performance anode materials for Li-ion batteries. *Chemical Communications*, **2017**, 53, 2138-2141	5.8	34
12	Low-Cost and Novel Si-Based Gel for Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 10699-10707	9.5	34
11	Biopolymer-chitosan based supramolecular hydrogels as solid state electrolytes for electrochemical energy storage. *Chemical Communications*, **2017**, 53, 1615-1618	5.8	64
10	Exploring an effective oxygen reduction reaction catalyst via 4e process based on waved-graphene. *Science China Materials*, **2017**, 60, 739-746	7.1	7

9	Efficient coupling of a hierarchical V2O5@Ni3S2 hybrid nanoarray for pseudocapacitors and hydrogen production. *Journal of Materials Chemistry A*, **2017**, 5, 17954-17962	13	61
8	Bimetallic organic frameworks derived CuNi/carbon nanocomposites as efficient electrocatalysts for oxygen reduction reaction. *Science China Materials*, **2017**, 60, 654-663	7.1	93
7	Understanding and suppressing side reactions in Li□air batteries. *Materials Chemistry Frontiers*, **2017**, 1, 2495-2510	7.8	46
6	Highly durable organic electrode for sodium-ion batteries via a stabilized □C radical intermediate. *Nature Communications*, **2016**, 7, 13318	17.4	183
5	Large-scale fabrication of porous carbon-decorated iron oxide microcuboids from Fe□MOF as high-performance anode materials for lithium-ion batteries. *RSC Advances*, **2015**, 5, 7356-7362	3.7	49
4	Facile electrodeposition of 3D concentration-gradient Ni-Co hydroxide nanostructures on nickel foam as high performance electrodes for asymmetric supercapacitors. *Nano Research*, **2015**, 8, 2744-2754	10	80
3	A high performance O2 selective membrane based on CAU-1-NH2@polydopamine and the PMMA polymer for Li-air batteries. *Chemical Communications*, **2015**, 51, 4364-7	5.8	89
2	Multistimuli-Responsive, Moldable Supramolecular Hydrogels Cross-Linked by Ultrafast Complexation of Metal Ions and Biopolymers. *Angewandte Chemie - International Edition*, **2015**, 54, 7944-8	16.4	209
1	Multistimuli-Responsive, Moldable Supramolecular Hydrogels Cross-Linked by Ultrafast Complexation of Metal Ions and Biopolymers. *Angewandte Chemie*, **2015**, 127, 8055-8059	3.6	28