

Min Lu

List of Publications by Year in descending order

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39
papers

4,370
citations

236833

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docs citations

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times ranked

6036
citing authors

#	ARTICLE	IF	CITATIONS
1	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and $\text{Ti}_3\text{C}_2\text{T}_x$ Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2017, 11, 5800-5807.	7.3	557
2	Oxygen Vacancies Dominated Ni_2/CoS_2 Interface Porous Nanowires for Portable Zn-Air Batteries Driven Water Splitting Devices. <i>Advanced Materials</i> , 2017, 29, 1704681.	11.1	533
3	Hierarchically porous and heteroatom doped carbon derived from tobacco rods for supercapacitors. <i>Journal of Power Sources</i> , 2016, 307, 391-400.	4.0	499
4	Recent Development of Oxygen Evolution Electrocatalysts in Acidic Environment. <i>Advanced Materials</i> , 2021, 33, e2006328.	11.1	392
5	Iridium Single Atoms Coupling with Oxygen Vacancies Boosts Oxygen Evolution Reaction in Acid Media. <i>Journal of the American Chemical Society</i> , 2020, 142, 18378-18386.	6.6	334
6	$\text{FeS}_2/\text{CoS}_2$ Interface Nanosheets as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2018, 14, e1801070.	5.2	273
7	Heterostructure-Promoted Oxygen Electrocatalysis Enables Rechargeable Zinc-Air Battery with Neutral Aqueous Electrolyte. <i>Journal of the American Chemical Society</i> , 2018, 140, 17624-17631.	6.6	258
8	Optimized Metal Chalcogenides for Boosting Water Splitting. <i>Advanced Science</i> , 2020, 7, 1903070.	5.6	190
9	Atomic Arrangement in Metal-Doped NiS_2 Boosts the Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18676-18682.	7.2	174
10	Functional black phosphorus nanosheets for mitochondria-targeting photothermal/photodynamic synergistic cancer therapy. <i>Chemical Science</i> , 2019, 10, 3779-3785.	3.7	151
11	NiCo_2O_4 -Based Nanosheets with Uniform 4 nm Mesopores for Excellent Zn-Air Battery Performance. <i>Advanced Materials</i> , 2020, 32, e2001651.	11.1	120
12	Emerging ~ 800 nm Excited Lanthanide-Doped Upconversion Nanoparticles. <i>Small</i> , 2017, 13, 1602843.	5.2	92
13	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 15507-15515.	6.6	85
14	Metallic CuCo_2S_4 nanosheets of atomic thickness as efficient bifunctional electrocatalysts for portable, flexible Zn-air batteries. <i>Nanoscale</i> , 2018, 10, 6581-6588.	2.8	69
15	Cathode Reactions and Applications in Microbial Fuel Cells: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 2504-2525.	6.6	60
16	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. <i>ACS Sensors</i> , 2018, 3, 1683-1689.	4.0	56
17	Intrinsic defects in biomass-derived carbons facilitate electroreduction of CO_2 . <i>Nano Research</i> , 2020, 13, 729-735.	5.8	56
18	Chemical Vapor Transport Reactions for Synthesizing Layered Materials and Their 2D Counterparts. <i>Small</i> , 2019, 15, e1804404.	5.2	52

#	ARTICLE	IF	CITATIONS
19	Transition Metal (Fe, Co and Ni) Carbide Nitride (M ₃ C ₂ N) Nanocatalysts: Structure and Electrocatalytic Applications. ChemCatChem, 2019, 11, 2780-2792.	1.8	46
20	In Situ Activated Co ₃ Ni ₄ O ₄ as a Highly Active and Ultrastable Electrocatalyst for Hydrogen Generation. ACS Catalysis, 2021, 11, 8174-8182.	5.5	43
21	Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. Frontiers in Chemistry, 2019, 7, 21.	1.8	41
22	Atomic Arrangement in Metal-Doped Ni ₂ Boosts the Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie, 2019, 131, 18849-18855.	1.6	38
23	Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. ACS Applied Nano Materials, 2019, 2, 3793-3801.	2.4	35
24	Development and Long-Term Stability of a Novel Microbial Fuel Cell BOD Sensor with MnO ₂ Catalyst. International Journal of Molecular Sciences, 2017, 18, 276.	1.8	33
25	Improving the Performance of Microbial Fuel Cells through Anode Manipulation. ChemPlusChem, 2015, 80, 1216-1225.	1.3	28
26	Packed anode derived from cocklebur fruit for improving long-term performance of microbial fuel cells. Science China Materials, 2019, 62, 645-652.	3.5	26
27	Heavy metals in the riverbed surface sediment of the Yellow River, China. Environmental Science and Pollution Research, 2016, 23, 24768-24780.	2.7	21
28	Perovskite Oxides for Cathodic Electrocatalysis of Energy-Related Gases: From O ₂ to CO ₂ and N ₂ . Advanced Functional Materials, 2021, 31, 2101872.	7.8	21
29	CoFe ₂ O ₄ nanoparticles as efficient bifunctional catalysts applied in Zn-air battery. Journal of Materials Research, 2018, 33, 590-600.	1.2	18
30	Phosphorus in the catchment of high sediment load river: A case of the Yellow River, China. Science of the Total Environment, 2016, 572, 660-670.	3.9	17
31	In situ exsolved Co components on wood ear-derived porous carbon for catalyzing oxygen reduction over a wide pH range. Journal of Materials Chemistry A, 2021, 9, 10695-10703.	5.2	16
32	Electronic engineering of amorphous Fe-Co-S sites in hetero-nanoframes for oxygen evolution and flexible Al-air batteries. Journal of Materials Chemistry A, 2022, 10, 19757-19768.	5.2	11
33	Organic Linkers Enable Tunable Transfer of Migrated Energy from Upconversion Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 31783-31792.	4.0	9
34	Spatial and temporal changes in desertification in the southern region of the Tengger Desert from 1973 to 2009. Theoretical and Applied Climatology, 2017, 129, 487-502.	1.3	7
35	Polyelectrolyte-single wall carbon nanotube composite as an effective cathode catalyst for air-cathode microbial fuel cells. Water Science and Technology, 2014, 70, 1610-1616.	1.2	3
36	Carbon nanofiber-based catalysts derived from polyacrylonitrile for efficient oxygen reduction in alkaline and neutral Zn-air batteries. Materials Chemistry Frontiers, 0, , .	3.2	3

#	ARTICLE	IF	CITATIONS
37	Pressure-induced phase transitions in weak interlayer coupling CdPS ₃ . Applied Physics Letters, 2022, 120, .	1.5	3
38	Frontispiece: Improving the Performance of Microbial Fuel Cells through Anode Manipulation. ChemPlusChem, 2015, 80, n/a-n/a.	1.3	0
39	Upconversion Nanoparticles: Emerging ~800 nm Excited Lanthanide-Doped Upconversion Nanoparticles (Small 6/2017). Small, 2017, 13, .	5.2	0