Min Lu

List of Publications by Year
in descending order

39 papers	4,370 citations	236833 25 h-index	345118 36 g-index
39 all docs	39 docs citations	39 times ranked	6036 citing authors

#	Article	IF	Citations
1	Electronic engineering of amorphous Feâ€“Coâ€“S sites in hetero-nanoframes for oxygen evolution and flexible Alâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 19757-19768.	5.2	11
2	Pressure-induced phase transitions in weak interlayer coupling CdPS3. Applied Physics Letters, 2022, 120, .	1.5	3
3	Recent Development of Oxygen Evolution Electrocatalysts in Acidic Environment. Advanced Materials, 2021, 33, e2006328.	11.1	392
4	Perovskite Oxides for Cathodic Electrocatalysis of Energyâ€Related Gases: From O₂ to CO₂ and N₂. Advanced Functional Materials, 2021, 31, 2101872.	7.8	21
5	In Situ Activated Co_{3â€“x}Ni_xO₄ as a Highly Active and Ultrastable Electrocatalyst for Hydrogen Generation. ACS Catalysis, 2021, 11, 8174-8182.	5.5	43
6	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
7	Iridium Single Atoms Coupling with Oxygen Vacancies Boosts Oxygen Evolution Reaction in Acid Media. Journal of the American Chemical Society, 2020, 142, 18378-18386.	6.6	334
8	NiCo₂O₄â€Based Nanosheets with Uniform 4 nm Mesopores for Excellent Znâ€“Air Battery Performance. Advanced Materials, 2020, 32, e2001651.	11.1	120
9	Organic Linkers Enable Tunable Transfer of Migrated Energy from Upconversion Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 31783-31792.	4.0	9
10	Optimized Metal Chalcogenides for Boosting Water Splitting. Advanced Science, 2020, 7, 1903070.	5.6	190
11	Intrinsic defects in biomass-derived carbons facilitate electroreduction of CO2. Nano Research, 2020, 13, 729-735.	5.8	56
12	Atomic Arrangement in Metalâ€Doped NiS₂ Boosts the Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie - International Edition, 2019, 58, 18676-18682.	7.2	174
13	Atomic Arrangement in Metalâ€Doped NiS₂ Boosts the Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie, 2019, 131, 18849-18855.	1.6	38
14	Chemical Vapor Transport Reactions for Synthesizing Layered Materials and Their 2D Counterparts. Small, 2019, 15, e1804404.	5.2	52
15	Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. Frontiers in Chemistry, 2019, 7, 21.	1.8	41
16	Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. ACS Applied Nano Materials, 2019, 2, 3793-3801.	2.4	35
17	Transition Metal (Fe, Co and Ni)â^'Carbideâ^'Nitride (Mâ^'Câ^'N) Nanocatalysts: Structure and Electrocatalytic Applications. ChemCatChem, 2019, 11, 2780-2792.	1.8	46
18	Functional black phosphorus nanosheets for mitochondria-targeting photothermal/photodynamic synergistic cancer therapy. Chemical Science, 2019, 10, 3779-3785.	3.7	151

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19	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
20	Metallic CuCo2S4 nanosheets of atomic thickness as efficient bifunctional electrocatalysts for portable, flexible Zn-air batteries. Nanoscale, 2018, 10, 6581-6588.	2.8	69
21	CoFe₂O₄ nanoparticles as efficient bifunctional catalysts applied in Znâ€“air battery. Journal of Materials Research, 2018, 33, 590-600.	1.2	18
22	Heterostructure-Promoted Oxygen Electrocatalysis Enables Rechargeable Zincâ€“Air Battery with Neutral Aqueous Electrolyte. Journal of the American Chemical Society, 2018, 140, 17624-17631.	6.6	258
23	Paving Metalâ€“Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. Journal of the American Chemical Society, 2018, 140, 15507-15515.	6.6	85
24	FeS₂/CoS₂ Interface Nanosheets as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. Small, 2018, 14, e1801070.	5.2	273
25	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. ACS Sensors, 2018, 3, 1683-1689.	4.0	56
26	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
27	Upconversion Nanoparticles: Emerging â‰ˆ800 nm Excited Lanthanideâ€Doped Upconversion Nanoparticles (Small 6/2017). Small, 2017, 13, .	5.2	0
28	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metalâ€“Organic Frameworks and Ti₃C₂T_x Nanosheets for Electrocatalytic Oxygen Evolution. ACS Nano, 2017, 11, 5800-5807.	7.3	557
29	Emerging â‰ˆ800 nm Excited Lanthanideâ€Doped Upconversion Nanoparticles. Small, 2017, 13, 1602843.	5.2	92
30	Oxygen Vacancies Dominated NiS₂/CoS₂ Interface Porous Nanowires for Portable Znâ€“Air Batteries Driven Water Splitting Devices. Advanced Materials, 2017, 29, 1704681.	11.1	533
31	Development and Long-Term Stability of a Novel Microbial Fuel Cell BOD Sensor with MnO2 Catalyst. International Journal of Molecular Sciences, 2017, 18, 276.	1.8	33
32	Heavy metals in the riverbed surface sediment of the Yellow River, China. Environmental Science and Pollution Research, 2016, 23, 24768-24780.	2.7	21
33	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
34	Hierarchically porous and heteroatom doped carbon derived from tobacco rods for supercapacitors. Journal of Power Sources, 2016, 307, 391-400.	4.0	499
35	Frontispiece: Improving the Performance of Microbial Fuel Cells through Anode Manipulation. ChemPlusChem, 2015, 80, n/a-n/a.	1.3	0
36	Improving the Performance of Microbial Fuel Cells through Anode Manipulation. ChemPlusChem, 2015, 80, 1216-1225.	1.3	28

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37	Polyelectrolyteâ€“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
38	Cathode Reactions and Applications in Microbial Fuel Cells: A Review. Critical Reviews in Environmental Science and Technology, 2012, 42, 2504-2525.	6.6	60
39	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