Yuebin Lian

List of Publications by Year
in descending order

30 papers	2,438 citations	304743 22 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	3197 citing authors

#	Article	IF	Citations
1	A hierarchical nickelâ€“carbon structure templated by metalâ€“organic frameworks for efficient overall water splitting. Energy and Environmental Science, 2018, 11, 2363-2371.	30.8	240
2	Carved nanoframes of cobaltâ€“iron bimetal phosphide as a bifunctional electrocatalyst for efficient overall water splitting. Chemical Science, 2019, 10, 464-474.	7.4	238
3	Morphological and Electronic Tuning of Ni₂P through Iron Doping toward Highly Efficient Water Splitting. ACS Catalysis, 2019, 9, 8882-8892.	11.2	227
4	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zincâ€“Air Batteries. Angewandte Chemie - International Edition, 2020, 59, 286-294.	13.8	200
5	Topotactically Transformed Polygonal Mesopores on Ternary Layered Double Hydroxides Exposing Underâ€Coordinated Metal Centers for Accelerated Water Dissociation. Advanced Materials, 2020, 32, e2006784.	21.0	186
6	Electrostatic charge transfer for boosting the photocatalytic CO2 reduction on metal centers of 2D MOF/rGO heterostructure. Applied Catalysis B: Environmental, 2020, 262, 118144.	20.2	175
7	Visible-Light Photocatalytic CO₂ Reduction Using Metal-Organic Framework Derived Ni(OH)₂ Nanocages: A Synergy from Multiple Light Reflection, Static Charge Transfer, and Oxygen Vacancies. ACS Catalysis, 2021, 11, 345-354.	11.2	117
8	Octahedral gold-silver nanoframes with rich crystalline defects for efficient methanol oxidation manifesting a CO-promoting effect. Nature Communications, 2019, 10, 3782.	12.8	113
9	Phase and Morphology Transformation of MnO₂ Induced by Ionic Liquids toward Efficient Water Oxidation. ACS Catalysis, 2018, 8, 10137-10147.	11.2	102
10	Breaking the Linear Scaling Relationship by Compositional and Structural Crafting of Ternary Cuâ€“Au/Ag Nanoframes for Electrocatalytic Ethylene Production. Angewandte Chemie - International Edition, 2021, 60, 2508-2518.	13.8	92
11	MnIII-enriched Î±-MnO2 nanowires as efficient bifunctional oxygen catalysts for rechargeable Zn-air batteries. Energy Storage Materials, 2019, 23, 252-260.	18.0	80
12	Activity and selectivity regulation through varying the size of cobalt active sites in photocatalytic CO₂ reduction. Journal of Materials Chemistry A, 2018, 6, 21110-21119.	10.3	70
13	Elucidation of Active Sites on S, N Codoped Carbon Cubes Embedding Coâ€“Fe Carbides toward Reversible Oxygen Conversion in Highâ€Performance Zincâ€“Air Batteries. Small, 2020, 16, e1907368.	10.0	66
14	Dissecting the interfaces of MOF-coated CdS on synergized charge transfer for enhanced photocatalytic CO2 reduction. Journal of Catalysis, 2021, 397, 128-136.	6.2	61
15	Bandgap engineering of a lead-free defect perovskite Cs₃Bi₂I₉through trivalent doping of Ru³⁺. RSC Advances, 2018, 8, 25802-25807.	3.6	54
16	Î³-Fe2O3 nanoparticles embedded in porous carbon fibers as binder-free anodes for high-performance lithium and sodium ion batteries. Journal of Alloys and Compounds, 2019, 777, 127-134.	5.5	52
17	Alkaliphilic Cu₂O nanowires on copper foam for hosting Li/Na as ultrastable alkali-metal anodes. Journal of Materials Chemistry A, 2019, 7, 20926-20935.	10.3	49
18	Mosaic rGO layers on lithium metal anodes for the effective mediation of lithium plating and stripping. Journal of Materials Chemistry A, 2019, 7, 12214-12224.	10.3	44

#	Article	IF	Citations
19	A Doubleâ€Buffering Strategy to Boost the Lithium Storage of Botryoid MnO_x/C Anodes. Small, 2019, 15, e1900015.	10.0	42
20	Highly efficient water splitting driven by zinc-air batteries with a single catalyst incorporating rich active species. Applied Catalysis B: Environmental, 2020, 263, 118139.	20.2	38
21	Crystal Splintering of Î²-MnO₂ Induced by Interstitial Ru Doping Toward Reversible Oxygen Conversion. Chemistry of Materials, 2021, 33, 4135-4145.	6.7	34
22	Waxâ€Transferred Hydrophobic CVD Graphene Enables Waterâ€Resistant and Dendriteâ€Free Lithium Anode toward Long Cycle Liâ€“Air Battery. Advanced Science, 2021, 8, e2100488.	11.2	28
23	Redox-Driven Lithium Perfusion to Fabricate Li@Niâ€“Foam Composites for High Lithium-Loading 3D Anodes. ACS Applied Materials & Interfaces, 2020, 12, 9355-9364.	8.0	24
24	Selfâ€Phosphorization of MOFâ€Armored Microbes for Advanced Energy Storage. Small, 2020, 16, e2000755.	10.0	23
25	rGO-CNT aerogel embedding iron phosphide nanocubes for high-performance Li-polysulfide batteries. Carbon, 2020, 167, 446-454.	10.3	21
26	Nitrogen-doped carbon fibers embedding CoO_x nanoframes towards wearable energy storage. Nanoscale, 2020, 12, 8922-8933.	5.6	19
27	Polyacrylonitrile-based gel polymer electrolyte filled with Prussian blue forhigh-performance lithium polymer batteries. Chinese Chemical Letters, 2021, 32, 890-894.	9.0	15
28	Breaking the Linear Scaling Relationship by Compositional and Structural Crafting of Ternary Cuâ€“Au/Ag Nanoframes for Electrocatalytic Ethylene Production. Angewandte Chemie, 2021, 133, 2538-2548.	2.0	15
29	Active nickel derived from coordination complex with weak inter/intra-molecular interactions for efficient hydrogen evolution via a tandem mechanism. Journal of Catalysis, 2020, 389, 29-37.	6.2	7
30	One-dimensional HKUST-1 nanobelts from Cu nanowires. Chinese Chemical Letters, 2020, 31, 517-520.	9.0	6