

# Bingyi Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,615  
citations

567144

15  
h-index

642610

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal (Fe, Co, Ni) Based Metal-Organic Frameworks for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1602733.	10.2	711
2	Nanoparticle/MOF composites: preparations and applications. <i>Materials Horizons</i> , 2017, 4, 557-569.	6.4	262
3	Interface engineered NiFe <sub>2</sub> O <sub>4</sub> /NiMoO <sub>4</sub> nanowire arrays for electrochemical oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119857.	10.8	138
4	Few-layered MoS <sub>2</sub> vertically aligned on 3D interconnected porous carbon nanosheets for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 357-365.	10.8	68
5	Sprout-shaped Mo-doped CoP with maximized hydrophilicity and gas bubble release for high-performance water splitting catalyst. <i>Chemical Engineering Journal</i> , 2021, 408, 127331.	6.6	47
6	Ambient Temperature Synthesis of Iron-Doped Porous Nickel Pyrophosphate Nanoparticles with Long-Term Chemical Stability for High-Performance Oxygen Evolution Reaction Catalysis and Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2843-2853.	3.2	46
7	Phosphorus-based materials for high-performance rechargeable batteries. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1424-1444.	3.0	35
8	Nafion coated Au nanoparticle-graphene quantum dot nanocomposite modified working electrode for voltammetric determination of dopamine. <i>Inorganic Chemistry Communication</i> , 2019, 105, 174-181.	1.8	34
9	Supramolecule-assisted synthesis of cyclodextrin polymer functionalized polyaniline/carbon nanotube with core-shell nanostructure as high-performance supercapacitor material. <i>Electrochimica Acta</i> , 2020, 331, 135345.	2.6	33
10	Interfacial engineering and hydrophilic/aerophobic tuning of Sn <sub>4</sub> P <sub>3</sub> /Co <sub>2</sub> P heterojunction nanoarrays for high-efficiency fully reversible water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120923.	10.8	33
11	Magnetic and near-infrared derived heating characteristics of dimercaptosuccinic acid coated uniform Fe@Fe <sub>3</sub> O <sub>4</sub> core-shell nanoparticles. <i>Nano Convergence</i> , 2020, 7, 20.	6.3	25
12	Development of High-Voltage Aqueous Electrochemical Energy Storage Devices. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700279.	1.9	24
13	Salt powder assisted synthesis of nanostructured materials and their electrochemical applications in energy storage devices. <i>Chemical Engineering Journal</i> , 2020, 400, 125895.	6.6	24
14	One-pot synthesis of hydrazide-pillar[5]arene functionalized reduced graphene oxide for supercapacitor electrode. <i>Chemical Engineering Journal</i> , 2020, 391, 123511.	6.6	23
15	CuFeN/CNT composite derived from kinetically modulated urchin-shaped MOF for highly efficient OER catalysis. <i>Electrochimica Acta</i> , 2021, 389, 138637.	2.6	18
16	CoFe Prussian blue analogues on 3D porous N-doped carbon nanosheets boost the intercalation kinetics for a high-performance quasi-solid-state hybrid capacitor. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14501-14512.	5.2	18
17	TEMPO-oxidized cellulose nanofibers as versatile additives for highly stable silicon anode in lithium-ion batteries. <i>Electrochimica Acta</i> , 2021, 369, 137708.	2.6	14
18	Facile Self-Template Synthesis of a Nitrogen-Rich Nanoporous Carbon Wire and Its Application for Energy Storage Devices. <i>ACS Applied Energy Materials</i> , 2021, 4, 13735-13747.	2.5	13

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19	A facile and scalable approach to develop electrochemical unzipping of multi-walled carbon nanotubes to graphene nanoribbons. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22045-22053.	5.2	12
20	Influence of flake size and porosity of activated graphene on the performance of silicon/activated graphene composites as lithium-ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114475.	1.9	11
21	Nano/Microscale Integrated Mushroom-Shaped Hydrophilic CoP@Ni-CoP with Optimized Gas Bubble Release for High-Performance Water Splitting Catalysis. <i>ACS Applied Energy Materials</i> , 2020, 3, 9769-9784.	2.5	11
22	Pt Nanoclusters Anchored on Hollow Ag-Au Nanostructures for Electrochemical Oxidation of Methanol. <i>Catalysts</i> , 2020, 10, 1440.	1.6	8
23	Highly sensitive electrochemical determination of sulfate in PM2.5 based on the formation of heteropoly blue at poly-L-lysine-functionalized graphene modified glassy carbon electrode in the presence of cetyltrimethylammonium bromide. <i>Chemical Engineering Journal</i> , 2016, 294, 122-131.	6.6	7