

Bo Yu

List of Publications by Year in descending order

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68
papers

3,995
citations

76326

40
h-index

118850

62
g-index

68
all docs

68
docs citations

68
times ranked

3656
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> synthesis of hierarchical MoSe ₂ @CoSe ₂ nanotubes as an efficient electrocatalyst for the hydrogen evolution reaction in both acidic and alkaline media. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7842-7850.	10.3	164
2	CoSe ₂ nanoparticles embedded MOF-derived Co-N-C nanoflake arrays as efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117996.	20.2	162
3	Self-Assembled Coral-like Hierarchical Architecture Constructed by NiSe ₂ Nanocrystals with Comparable Hydrogen-Evolution Performance of Precious Platinum Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7154-7159.	8.0	153
4	Self-assembled pearl-bracelet-like CoSe ₂ @SnSe ₂ /CNT hollow architecture as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1655-1662.	10.3	125
5	Hierarchically Porous W-doped CoP Nanoflake Arrays as Highly Efficient and Stable Electrocatalyst for pH-Universal Hydrogen Evolution. <i>Small</i> , 2019, 15, e1902613.	10.0	124
6	Nanocrystalline Co _{0.85} Se Anchored on Graphene Nanosheets as a Highly Efficient and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30703-30710.	8.0	118
7	Few-layered ReS ₂ nanosheets grown on carbon nanotubes: A highly efficient anode for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2017, 315, 10-17.	12.7	112
8	Mo ₂ C quantum dots@graphene functionalized separator toward high-current-density lithium metal anodes for ultrastable Li-S batteries. <i>Chemical Engineering Journal</i> , 2020, 399, 125837.	12.7	105
9	1T-MoS ₂ nanotubes wrapped with N-doped graphene as highly-efficient absorbent and electrocatalyst for Li-S batteries. <i>Journal of Power Sources</i> , 2020, 447, 227364.	7.8	103
10	Self-assembled chrysanthemum-like microspheres constructed by few-layer ReSe ₂ nanosheets as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 224, 593-599.	5.2	102
11	Nanocrystalline Ni _{0.85} Se as Efficient Non-noble-metal Electrocatalyst for Hydrogen Evolution Reaction. <i>Electrochimica Acta</i> , 2017, 242, 25-30.	5.2	101
12	In-situ Selenization of Co-based Metal-Organic Frameworks as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Electrochimica Acta</i> , 2017, 247, 258-264.	5.2	93
13	Robust Hydrogen-Evolving Electrocatalyst from Heterogeneous Molybdenum Disulfide-Based Catalyst. <i>ACS Catalysis</i> , 2020, 10, 1511-1519.	11.2	88
14	3D hollow Co@Fe@P nanoframes immobilized on N,P-doped CNT as an efficient electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2019, 11, 17031-17040.	5.6	85
15	NiSe ₂ nanoparticles embedded in CNT networks: Scalable synthesis and superior electrocatalytic activity for the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2017, 83, 51-55.	4.7	84
16	W ₂ C nanodot-decorated CNT networks as a highly efficient and stable electrocatalyst for hydrogen evolution in acidic and alkaline media. <i>Nanoscale</i> , 2019, 11, 4876-4884.	5.6	83
17	In Situ Construction of Mo ₂ C Quantum Dots@Decorated CNT Networks as a Multifunctional Electrocatalyst for Advanced Lithium-Sulfur Batteries. <i>Small</i> , 2021, 17, e2100460.	10.0	81
18	Outstanding Catalytic Effects of 1T-MoTe ₂ Quantum Dots@3D Graphene in Shuttle-Free Li-S Batteries. <i>ACS Nano</i> , 2021, 15, 13279-13288.	14.6	81

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19	Pomegranate-Like Silicon/Nitrogen-doped Graphene Microspheres as Superior-Capacity Anode for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016, 215, 667-673.	5.2	80
20	Core-Shell Structure of NiSe ₂ Nanoparticles@Nitrogen-Doped Graphene for Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4351-4359.	6.7	80
21	Mo ₂ C Nanodots Anchored on N-Doped Porous CNT Microspheres as Electrode for Efficient Li-ion Storage. <i>Small Methods</i> , 2019, 3, 1800287.	8.6	80
22	Heterogeneous CoFe-Co ₈ FeS ₈ nanoparticles embedded in CNT networks as highly efficient and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2019, 433, 126688.	7.8	78
23	Metal-Organic Framework-Derived NiS/Fe ₃ O ₄ Heterostructure-Decorated Carbon Nanotubes as Highly Efficient and Durable Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31552-31563.	8.0	78
24	Scalable Synthesis of Heterogeneous W ₂ C Nanoparticle-Embedded CNT Networks for Boosted Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10016-10024.	6.7	73
25	Enhanced photocatalytic properties of graphene modified few-layered WSe ₂ nanosheets. <i>Applied Surface Science</i> , 2017, 400, 420-425.	6.1	71
26	Scalable synthesis of graphene-wrapped CoSe ₂ -SnSe ₂ hollow nanoboxes as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 255, 248-255.	5.2	68
27	Hierarchical architecture of ReS ₂ /rGO composites with enhanced electrochemical properties for lithium-ion batteries. <i>Applied Surface Science</i> , 2017, 413, 123-128.	6.1	66
28	NiSe ₂ nanoparticles embedded in carbon nanowires as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 254, 230-237.	5.2	64
29	rGO wrapped trimetallic sulfide nanowires as an efficient bifunctional catalyst for electrocatalytic oxygen evolution and photocatalytic organic degradation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13558-13571.	10.3	64
30	Interwoven CoSe ₂ /CNTs hybrid as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 253, 200-207.	5.2	61
31	Scalable synthesis of Mo ₂ C/CNT networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 263, 192-200.	5.2	61
32	Nanocrystalline Co _{0.85} Se as a highly efficient non-noble-metal electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 247, 468-474.	5.2	57
33	3D chrysanthemum-like ReS ₂ microspheres composed of curly few-layered nanosheets with enhanced electrochemical properties for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 3622-3629.	3.7	54
34	A co-coordination strategy to realize janus-type bimetallic phosphide as highly efficient and durable bifunctional catalyst for water splitting. <i>Journal of Materials Science and Technology</i> , 2021, 74, 11-20.	10.7	53
35	Metal-Organic Framework-Derived Fe-Doped Ni ₃ Fe/NiFe ₂ O ₄ Heteronanoparticle-Decorated Carbon Nanotube Network as a Highly Efficient and Durable Bifunctional Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55782-55794.	8.0	52
36	Double-shelled hollow bimetallic phosphide nanospheres anchored on nitrogen-doped graphene for boosting water electrolysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22222-22229.	10.3	51

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37	Fe ₃ N@N-doped graphene as a lithiophilic interlayer for highly stable lithium metal batteries. <i>Energy Storage Materials</i> , 2022, 45, 656-666.	18.0	47
38	MOF derived multi-metal oxides anchored N, P-doped carbon matrix as efficient and durable electrocatalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 608-618.	9.4	46
39	Hexagonal SnSe nanoplate supported SnO ₂ -CNTs nanoarchitecture for enhanced photocatalytic degradation under visible light driven. <i>Applied Surface Science</i> , 2020, 507, 145026.	6.1	45
40	A microwave-assisted bubble bursting strategy to grow Co ₈ FeS ₈ /CoS heterostructure on rearranged carbon nanotubes as efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020, 449, 227561.	7.8	44
41	Three-dimensional Ni/Ni ₃ Fe embedded boron-doped carbon nanotubes nanochain frameworks as highly efficient and durable electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020, 451, 227753.	7.8	44
42	Encapsulating hollow (Co,Fe)P nanoframes into N,P-codoped graphene aerogel for highly efficient water splitting. <i>Journal of Power Sources</i> , 2020, 456, 228015.	7.8	40
43	Vertical V-Doped CoP Nanowall Arrays as a Highly Efficient and Stable Electrocatalyst for the Hydrogen Evolution Reaction at all pH Values. <i>ACS Applied Energy Materials</i> , 2020, 3, 1027-1035.	5.1	38
44	Self-assembled CoSe ₂ @FeSe ₂ heteronanoparticles along the carbon nanotube network for boosted oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 9651-9658.	5.6	38
45	Self-assembled globular clusters-like cobalt hexacyanoferrate/carbon nanotubes hybrid as efficient nonprecious electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2019, 434, 126670.	7.8	36
46	Few-layered ReS ₂ nanosheets grown on graphene as electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2018, 37, 1014-1020.	7.1	34
47	Heterostructural CoFe ₂ O ₄ /CoO nanoparticles-embedded carbon nanotubes network for boosted overall water-splitting performance. <i>Electrochimica Acta</i> , 2022, 404, 139745.	5.2	34
48	Lithiophilic 3D VN@N-rGO as a Multifunctional Interlayer for Dendrite-Free and Ultrastable Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20125-20136.	8.0	32
49	WN _{0.67} -Embedded N-doped Graphene-Nanosheet Interlayer as efficient polysulfide catalyst and absorbant for High-Performance Lithium-Sulfur batteries. <i>Chemical Engineering Journal</i> , 2022, 431, 133439.	12.7	31
50	One-pot synthesis of self-assembled coral-like hierarchical architecture constructed by polymorphic CoSe ₂ nanocrystals as superior electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 277, 161-167.	5.2	29
51	Fe ₂ P nanoparticles embedded on Ni ₂ P nanosheets as highly efficient and stable bifunctional electrocatalysts for water splitting. <i>Journal of Materials Science and Technology</i> , 2022, 105, 266-273.	10.7	29
52	One-pot synthesis of graphene-wrapped NiSe ₂ -Ni _{0.85} Se hollow microspheres as superior and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 291, 242-248.	5.2	28
53	Significant enhancement of photocatalytic activity of multi-walled carbon nanotubes modified WSe ₂ composite. <i>Materials Letters</i> , 2017, 197, 67-70.	2.6	26
54	Self-assembled CNT/Ni _{0.85} Se-SnO ₂ networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 269, 155-162.	5.2	26

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55	FeNi nanoparticles embedded porous nitrogen-doped nanocarbon as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 321, 134720.	5.2	25
56	Facile and scalable synthesis of heterostructural NiSe ₂ /FeSe ₂ nanoparticles as efficient and stable binder-free electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35198-35208.	7.1	24
57	Porous interwoven CoSe ₂ /C microsphere: a highly efficient and stable nonprecious electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Science</i> , 2019, 54, 14123-14133.	3.7	22
58	Accelerating pH-universal hydrogen-evolving activity of a hierarchical hybrid of cobalt and dinickel phosphides by interfacial chemical bonds. <i>Materials Today Physics</i> , 2022, 22, 100589.	6.0	20
59	CVD growth of large-area and high-quality HfS ₂ nanoforest on diverse substrates. <i>Applied Surface Science</i> , 2018, 435, 563-567.	6.1	19
60	FeNi ₃ -modified Fe ₂ O ₃ /NiO/MoO ₂ heterogeneous nanoparticles immobilized on N, P co-doped CNT as an efficient and stable electrocatalyst for water oxidation. <i>Nanoscale</i> , 2020, 12, 3777-3786.	5.6	16
61	Electronic modulation of NiS-PBA/CNT with boosted water oxidation performance realized by a rapid microwave-assisted in-situ partial sulfidation. <i>Chemical Engineering Journal</i> , 2021, 420, 130481.	12.7	16
62	Three-dimensional porous cobalt ferrite and carbon nanorod hybrid network as highly efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> , 2020, 55, 11489-11500.	3.7	12
63	Rich and uncovered FeN _x atom clusters anchored on nitrogen-doped graphene nanosheets for highly efficient and stable oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163763.	5.5	9
64	Customized meta-waveguide for phase and absorption. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 465102.	2.8	8
65	High-Integration and Low-Cost Transmitter Packaging Solution for 0.2 THz SiP Application Using HTCC Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2022, 32, 680-683.	3.2	8
66	Lithiophilic Mo ₃ N ₂ /MoN as multifunctional interlayer for dendrite-free and ultra-stable lithium metal batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 332-341.	9.4	6
67	Conductive WO _{3-x} @CNT networks for efficient Li-S batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 892, 012027.	0.6	5
68	Analysis and Design of Terahertz Filter with Transmission Zeros. , 2021, , .		3