

# Yuan-Fu Chen

## List of Publications by Citations

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164  
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#	Paper	IF	Citations
164	Yolk-Shelled C@Fe O Nanoboxes as Efficient Sulfur Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702707	24	370
163	Vertical Co <sub>9</sub> S <sub>8</sub> hollow nanowall arrays grown on a Celgard separator as a multifunctional polysulfide barrier for high-performance LiS batteries. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2560-2568	35.4	365
162	Freestanding 1T MoS <sub>2</sub> /graphene heterostructures as a highly efficient electrocatalyst for lithium polysulfides in LiS batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 344-350	35.4	355
161	From Metal-Organic Framework to LiS@C-Co-N Nanoporous Architecture: A High-Capacity Cathode for Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2016</b> , 10, 10981-10987	16.7	241
160	Three-dimensional CNT/graphene-sulfur hybrid sponges with high sulfur loading as superior-capacity cathodes for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18605-18610	13.1	182
159	Three-Dimensional Hierarchical Reduced Graphene Oxide/Tellurium Nanowires: A High-Performance Freestanding Cathode for Li-Te Batteries. <i>ACS Nano</i> , <b>2016</b> , 10, 8837-42	16.7	164
158	Metal Sulfide-Decorated Carbon Sponge as a Highly Efficient Electrocatalyst and Absorbant for Polysulfide in High-Loading Li <sub>2</sub> S Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900584	21.8	147
157	Three-Dimensional Hierarchical [email protected]: A Highly Efficient Freestanding Cathode for LiS Batteries. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 16-20	20.1	145
156	Three-Dimensional CNT/Graphene-Li <sub>2</sub> S Aerogel as Freestanding Cathode for High-Performance LiS Batteries. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 820-826	20.1	133
155	Self-Assembled Coral-like Hierarchical Architecture Constructed by NiSe Nanocrystals with Comparable Hydrogen-Evolution Performance of Precious Platinum Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7154-7159	9.5	128
154	In situ synthesis of hierarchical MoSe <sub>2</sub> /CoSe <sub>2</sub> nanotubes as an efficient electrocatalyst for the hydrogen evolution reaction in both acidic and alkaline media. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7842-7850	13	124
153	Graphene-like WSe <sub>2</sub> nanosheets for efficient and stable hydrogen evolution. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 691, 698-704	5.7	119
152	MOF-derived Cobalt Sulfide Grown on 3D Graphene Foam as an Efficient Sulfur Host for Long-Life Lithium-Sulfur Batteries. <i>IScience</i> , <b>2018</b> , 4, 36-43	6.1	117
151	Three-dimensional hierarchically structured aerogels constructed with layered MoS <sub>2</sub> /graphene nanosheets as free-standing anodes for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 12-18	6.7	112
150	Self-assembled CoS <sub>2</sub> nanoparticles wrapped by CoS <sub>2</sub> -quantum-dots-anchored graphene nanosheets as superior-capability anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 424-429	6.7	111
149	Pure thiophene-sulfur doped reduced graphene oxide: synthesis, structure, and electrical properties. <i>Nanoscale</i> , <b>2014</b> , 6, 7281-7	7.7	105
148	Highly-flexible 3D Li <sub>2</sub> S/graphene cathode for high-performance lithium sulfur batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 327, 474-480	8.9	104

147	Self-assembled pearl-bracelet-like CoSe <sub>2</sub> /BnSe <sub>2</sub> /CNT hollow architecture as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1655-1662	13	102
146	Interwoven WSe <sub>2</sub> /CNTs hybrid network: A highly efficient and stable electrocatalyst for hydrogen evolution. <i>Electrochemistry Communications</i> , <b>2016</b> , 72, 74-78	5.1	102
145	Direct impregnation of SeS <sub>2</sub> into a MOF-derived 3D nanoporous Co-N-C architecture towards superior rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10466-10473	13	101
144	Tellurium-Impregnated Porous Cobalt-Doped Carbon Polyhedra as Superior Cathodes for Lithium-Tellurium Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 8144-8152	16.7	99
143	Nanocrystalline CoSe Anchored on Graphene Nanosheets as a Highly Efficient and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30703-30710	9.5	98
142	CoSe <sub>2</sub> nanoparticles embedded MOF-derived Co-N-C nanoflake arrays as efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 258, 117996	21.8	95
141	Self-assembled cauliflower-like FeS <sub>2</sub> anchored into graphene foam as free-standing anode for high-performance lithium-ion batteries. <i>Carbon</i> , <b>2017</b> , 114, 111-116	10.4	93
140	Few-layered WSe <sub>2</sub> nanoflowers anchored on graphene nanosheets: a highly efficient and stable electrocatalyst for hydrogen evolution. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 1293-1299	6.7	93
139	Phosphorus-doped reduced graphene oxide as an electrocatalyst counter electrode in dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 263, 246-251	8.9	93
138	Few-layered ReS <sub>2</sub> nanosheets grown on carbon nanotubes: A highly efficient anode for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 10-17	14.7	89
137	Hierarchically Porous W-Doped CoP Nanoflake Arrays as Highly Efficient and Stable Electrocatalyst for pH-Universal Hydrogen Evolution. <i>Small</i> , <b>2019</b> , 15, e1902613	11	87
136	The ambipolar transport behavior of WSe <sub>2</sub> transistors and its analogue circuits. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 703-712	10.3	86
135	Self-assembled chrysanthemum-like microspheres constructed by few-layer ReSe <sub>2</sub> nanosheets as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 224, 593-599	6.7	85
134	Nanocrystalline Ni <sub>0.85</sub> Se as Efficient Non-noble-metal Electrocatalyst for Hydrogen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 242, 25-30	6.7	80
133	1T'-ReS <sub>2</sub> Nanosheets In Situ Grown on Carbon Nanotubes as a Highly Efficient Polysulfide Electrocatalyst for Stable LiB Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001017	21.8	80
132	Scalable synthesis of porous hollow CoSe <sub>2</sub> /MoSe <sub>2</sub> /carbon microspheres for highly efficient hydrogen evolution reaction in acidic and alkaline media. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12701-12707	13	80
131	Self-assembled CoSe <sub>2</sub> nanocrystals embedded into carbon nanowires as highly efficient catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 626-631	6.7	79
130	CoP nanosheets in-situ grown on N-doped graphene as an efficient and stable bifunctional electrocatalyst for hydrogen and oxygen evolution reactions. <i>Electrochimica Acta</i> , <b>2019</b> , 307, 543-552	6.7	79

129	In-situ Selenization of Co-based Metal-Organic Frameworks as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 258-264	6.7	79
128	Ultrafast ammonia-driven, microwave-assisted synthesis of nitrogen-doped graphene quantum dots and their optical properties. <i>Nanophotonics</i> , <b>2017</b> , 6, 259-267	6.3	74
127	NiSe <sub>2</sub> nanoparticles embedded in CNT networks: Scalable synthesis and superior electrocatalytic activity for the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , <b>2017</b> , 83, 51-55	5.1	72
126	Three-dimensional structure of WS <sub>2</sub> /graphene/Ni as a binder-free electrocatalytic electrode for highly effective and stable hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 7811-7819	6.7	68
125	Synthesis of nitrogen-doped graphene by chemical vapour deposition using melamine as the sole solid source of carbon and nitrogen. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7396	7.1	68
124	Vertically oriented few-layered HfS <sub>2</sub> nanosheets: growth mechanism and optical properties. <i>2D Materials</i> , <b>2016</b> , 3, 035024	5.9	68
123	3D-hierarchical MoSe <sub>2</sub> nanoarchitecture as a highly efficient electrocatalyst for hydrogen evolution. <i>2D Materials</i> , <b>2017</b> , 4, 025092	5.9	67
122	Co <sub>0.85</sub> Se hollow nanospheres anchored on N-doped graphene nanosheets as highly efficient, nonprecious electrocatalyst for hydrogen evolution reaction in both acid and alkaline media. <i>Journal of Power Sources</i> , <b>2018</b> , 400, 232-241	8.9	67
121	Pomegranate-Like Silicon/Nitrogen-doped Graphene Microspheres as Superior-Capacity Anode for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 667-673	6.7	64
120	Synthesis and electrochemical properties of graphene-modified LiCo <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathodes for lithium ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 2568-2572	3.7	64
119	Three-dimensional hierarchical C-Co-N/Se derived from metal-organic framework as superior cathode for Li-Se batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 103-109	8.9	64
118	1T-MoS <sub>2</sub> nanotubes wrapped with N-doped graphene as highly-efficient absorbent and electrocatalyst for LiB batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 447, 227364	8.9	64
117	WC nanodot-decorated CNT networks as a highly efficient and stable electrocatalyst for hydrogen evolution in acidic and alkaline media. <i>Nanoscale</i> , <b>2019</b> , 11, 4876-4884	7.7	63
116	Heterogeneous CoFe <sub>2</sub> O <sub>4</sub> /FeS <sub>2</sub> nanoparticles embedded in CNT networks as highly efficient and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2019</b> , 433, 126688	8.9	61
115	Synthesis, characterization and electrical properties of silicon-doped graphene films. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6301-6306	7.1	58
114	Enhanced Performance of Lithium Sulfur Battery with a Reduced Graphene Oxide Coating Separator. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1624-A1629	3.9	57
113	Scalable synthesis of graphene-wrapped CoSe <sub>2</sub> -SnSe <sub>2</sub> hollow nanoboxes as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 255, 248-255	6.7	56
112	Three-dimensional VS <sub>4</sub> /graphene hierarchical architecture as high-capacity anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 685, 294-299	5.7	56

111	Hierarchical architecture of ReS <sub>2</sub> /rGO composites with enhanced electrochemical properties for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2017</b> , 413, 123-128	6.7	53
110	Mo <sub>2</sub> C Nanodots Anchored on N-Doped Porous CNT Microspheres as Electrode for Efficient Li-Ion Storage. <i>Small Methods</i> , <b>2019</b> , 3, 1800287	12.8	53
109	Enhanced photocatalytic properties of graphene modified few-layered WSe <sub>2</sub> nanosheets. <i>Applied Surface Science</i> , <b>2017</b> , 400, 420-425	6.7	51
108	Self-assembled interwoven CoS <sub>2</sub> /CNTs/graphene architecture as anode for high-performance lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 708, 1178-1183	5.7	51
107	Mo <sub>2</sub> C quantum dots@graphene functionalized separator toward high-current-density lithium metal anodes for ultrastable Li-S batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125837	14.7	51
106	Nanocrystalline Co <sub>0.85</sub> Se as a highly efficient non-noble-metal electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 468-474	6.7	51
105	3D hollow Co-Fe-P nanoframes immobilized on N,P-doped CNT as an efficient electrocatalyst for overall water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 17031-17040	7.7	50
104	Scalable synthesis of Mo <sub>2</sub> C/CNT networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 263, 192-200	6.7	50
103	Core-Shell Structure of NiSe <sub>2</sub> [email protected] Graphene for Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4351-4359	8.3	50
102	Scalable Synthesis of Heterogeneous W <sub>1.8</sub> Mo <sub>0.2</sub> C Nanoparticle-Embedded CNT Networks for Boosted Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10016-10024	8.3	47
101	Hierarchical MoSe <sub>2</sub> -CoSe <sub>2</sub> nanotubes anchored on graphene nanosheets: A highly efficient and stable electrocatalyst for hydrogen evolution in alkaline medium. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 197-205	6.7	47
100	Interwoven CoSe <sub>2</sub> /CNTs hybrid as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 253, 200-207	6.7	46
99	Graphene-Enhanced Brillouin Optomechanical Microresonator for Ultrasensitive Gas Detection. <i>Nano Letters</i> , <b>2017</b> , 17, 4996-5002	11.5	46
98	NiSe <sub>2</sub> nanoparticles embedded in carbon nanowires as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 254, 230-237	6.7	44
97	FeNi <sub>3</sub> @Fe <sub>3</sub> O <sub>4</sub> Heterogeneous Nanoparticles Anchored on 2D MOF Nanosheets/1D CNT Matrix as Highly Efficient Bifunctional Electrocatalysts for Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3820-3831	8.3	43
96	Metal-Organic Framework-Derived NiS/FeO Heterostructure-Decorated Carbon Nanotubes as Highly Efficient and Durable Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31552-31563	9.5	42
95	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 107	16.7	42
94	Three-dimensional CoS <sub>2</sub> /RGO hierarchical architecture as superior-capability anode for lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 71790-71795	3.7	39

93	Self-assembled Ni <sub>2</sub> P/FeP heterostructural nanoparticles embedded in N-doped graphene nanosheets as highly efficient and stable multifunctional electrocatalyst for water splitting. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 449-459	6.7	38
92	Scalable synthesis of self-assembled bimetallic phosphide/N-doped graphene nanoflakes as an efficient electrocatalyst for overall water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 12837-12845	7.7	38
91	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> , <b>2020</b> , 8, 13558-13571	13.8	38
90	Synthesis of silicon-doped reduced graphene oxide and its applications in dye-sensitive solar cells and supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 15080-15086	3.7	38
89	3D chrysanthemum-like ReS <sub>2</sub> microspheres composed of curly few-layered nanosheets with enhanced electrochemical properties for lithium-ion batteries. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 3622-3629	4.3	38
88	Cobalt phosphide nanoparticles supported within network of N-doped carbon nanotubes as a multifunctional and scalable electrocatalyst for water splitting. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 52, 130-138	12	37
87	NiSe <sub>2</sub> nanocrystals anchored graphene nanosheets as highly efficient and stable electrocatalyst for hydrogen evolution reaction in alkaline medium. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 792, 789-796	5.7	35
86	Wrinkled sulfur@graphene microspheres with high sulfur loading as superior-capacity cathode for LiS batteries. <i>Materials Today Energy</i> , <b>2016</b> , 1-2, 11-16	7	35
85	Organic carboxylate-based MOFs and derivatives for electrocatalytic water oxidation. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 428, 213619	23.2	35
84	In Situ Construction of Mo C Quantum Dots-Decorated CNT Networks as a Multifunctional Electrocatalyst for Advanced Lithium-Sulfur Batteries. <i>Small</i> , <b>2021</b> , 17, e2100460	11	34
83	Few-layered WSe <sub>2</sub> in-situ grown on graphene nanosheets as efficient anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1660-1667	6.7	33
82	Observation of tunable electrical bandgap in large-area twisted bilayer graphene synthesized by chemical vapor deposition. <i>Scientific Reports</i> , <b>2015</b> , 5, 15285	4.9	32
81	The green synthesis of reduced graphene oxide by the ethanol-thermal reaction and its electrical properties. <i>Materials Letters</i> , <b>2014</b> , 116, 416-419	3.3	31
80	CVD-grown three-dimensional sulfur-doped graphene as a binder-free electrocatalytic electrode for highly effective and stable hydrogen evolution reaction. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 7767-7777	4.7	29
79	Hexagonal SnSe nanoplate supported SnO <sub>2</sub> -CNTs nanoarchitecture for enhanced photocatalytic degradation under visible light driven. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145026	6.7	29
78	Facile fabrication of RGO wrapped LiMn <sub>2</sub> O <sub>4</sub> nanorods as a cathode with enhanced specific capacity. <i>RSC Advances</i> , <b>2015</b> , 5, 80063-80068	3.7	28
77	A microwave-assisted bubble bursting strategy to grow Co <sub>8</sub> FeS <sub>8</sub> /CoS heterostructure on rearranged carbon nanotubes as efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2020</b> , 449, 227561	8.9	28
76	Centimeter-sized 2D $\alpha$ -MoO <sub>3</sub> single crystal: growth, Raman anisotropy, and optoelectronic properties. <i>2D Materials</i> , <b>2018</b> , 5, 045011	5.9	28

75	Scalable Synthesis of Bimetallic Phosphide Decorated in Carbon Nanotube Network as Multifunctional Electrocatalyst for Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13031-13040	8.3	28
74	Investigating the stability of molecule doped graphene field effect transistors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 15275-15279	3.6	27
73	Self-assembled globular clusters-like cobalt hexacyanoferrate/carbon nanotubes hybrid as efficient nonprecious electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2019</b> , 434, 126670	8.9	27
72	Few-layered ReS <sub>2</sub> nanosheets grown on graphene as electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , <b>2018</b> , 37, 1014-1020	5.5	27
71	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> , <b>2020</b> , 3, 1027-1035	6.1	26
70	Significantly enhanced electrocatalytic properties of three-dimensional graphene foam via Ar plasma pretreatment and N, S co-doping. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27004-27012	6.7	24
69	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> , <b>2021</b> , 74, 11-20	9.1	24
68	Constructing Ni/NiS Heteronanoparticle-Embedded Metal-Organic Framework-Derived Nanosheets for Enhanced Water-Splitting Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1920-1931	8.3	24
67	Effect of hydrogen on the growth of MoS <sub>2</sub> thin layers by thermal decomposition method. <i>Vacuum</i> , <b>2015</b> , 119, 204-208	3.7	23
66	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> , <b>2021</b> , 581, 608-618	8.3	23
65	Facile growth of large-area and high-quality few-layer ReS <sub>2</sub> by physical vapour deposition. <i>Materials Letters</i> , <b>2016</b> , 184, 324-327	3.3	22
64	FeNi nanoparticles embedded porous nitrogen-doped nanocarbon as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134720	6.7	21
63	Self-assembled CNT/Ni <sub>0.85</sub> Se-SnO <sub>2</sub> networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 269, 155-162	6.7	21
62	Metal-Organic Framework-Derived Fe-Doped NiFe/NiFeO Heteronanoparticle-Decorated Carbon Nanotube Network as a Highly Efficient and Durable Bifunctional Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55782-55794	9.5	21
61	Encapsulating hollow (Co,Fe)P nanoframes into N,P-codoped graphene aerogel for highly efficient water splitting. <i>Journal of Power Sources</i> , <b>2020</b> , 456, 228015	8.9	20
60	NiSe-anchored N, S-doped graphene/Ni foam as a free-standing bifunctional electrocatalyst for efficient water splitting. <i>Nanoscale</i> , <b>2020</b> , 12, 9866-9872	7.7	20
59	Double-shelled hollow bimetallic phosphide nanospheres anchored on nitrogen-doped graphene for boosting water electrolysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22222-22229	13	20
58	One-pot synthesis of graphene-wrapped NiSe <sub>2</sub> -Ni <sub>0.85</sub> Se hollow microspheres as superior and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 291, 242-248	6.7	20

57	Significant enhancement of photocatalytic activity of multi-walled carbon nanotubes modified WSe <sub>2</sub> composite. <i>Materials Letters</i> , <b>2017</b> , 197, 67-70	3.3	19
56	Three-dimensional Ni/Ni <sub>3</sub> Fe embedded boron-doped carbon nanotubes nanochain frameworks as highly efficient and durable electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2020</b> , 451, 227753	8.9	19
55	One-pot synthesis of self-assembled coral-like hierarchical architecture constructed by polymorphic CoSe <sub>2</sub> nanocrystals as superior electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 277, 161-167	6.7	19
54	MnCO <sub>3</sub> -RGO composite anode materials: In-situ solvothermal synthesis and electrochemical performances. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 786-794	6.7	18
53	A three-dimensional porous CoSnS@CNT nanoarchitecture as a highly efficient bifunctional catalyst for boosted OER performance and photocatalytic degradation. <i>Nanoscale</i> , <b>2020</b> , 12, 3879-3887	7.7	18
52	Outstanding Catalytic Effects of 1TRMoTe Quantum Dots@3D Graphene in Shuttle-Free Li-S Batteries. <i>ACS Nano</i> , <b>2021</b> ,	16.7	18
51	Free-standing S, N co-doped graphene/Ni foam as highly efficient and stable electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 408-415	6.7	16
50	Three-dimensional porous nanoarchitecture constructed by ultrathin NiCoBOx nanosheets as a highly efficient and durable electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134666	6.7	16
49	Graphene wrapped self-assembled Ni <sub>0.85</sub> Se-SnO <sub>2</sub> microspheres as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1146-1153	6.7	15
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37	Enhanced photocatalytic properties of defect-rich $\text{MoO}_3$ nanoflakes by cavitation and pitting effect. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 378, 120753	12.8	11
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35	CVD growth of large-area and high-quality $\text{HfS}_2$ nanoforest on diverse substrates. <i>Applied Surface Science</i> , <b>2018</b> , 435, 563-567	6.7	11
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32	FeNi-modified $\text{FeO}/\text{NiO}/\text{MoO}_3$ heterogeneous nanoparticles immobilized on N, P co-doped CNT as an efficient and stable electrocatalyst for water oxidation. <i>Nanoscale</i> , <b>2020</b> , 12, 3777-3786	7.7	9
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25	Carbon nanotubes-interconnected heterostructural $\text{FeP}/\text{Ni}_2\text{P}$ nanospindles as efficient and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 883, 160926	5.7	6
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11	Vertical Fe(OH) <sub>3</sub> /Ni <sub>9</sub> S <sub>8</sub> nanoarrays electrodeposited on stainless steel as binder-free electrocatalyst for highly efficient and stable oxygen evolution reaction. <i>Journal of Materials Science</i> , <sup>1</sup>	4.3	2
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