

Yuanfu Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181
papers

8,564
citations

55
h-index

85
g-index

185
ext. papers

10,499
ext. citations

8.2
avg, IF

6.81
L-index

#	Paper	IF	Citations
181	Rationally Designed Ag@polymer@2-D LDH Nanoflakes for Bifunctional Efficient Electrochemical Sensing of 4-Nitrophenol and Water Oxidation Reaction.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
180	Regulating Li uniform deposition by lithiophilic interlayer as Li-ion redistributor for highly stable lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022 , 436, 134945	14.7	2
179	Heterostructural CoFe ₂ O ₄ /CoO nanoparticles-embedded carbon nanotubes network for boosted overall water-splitting performance. <i>Electrochimica Acta</i> , 2022 , 404, 139745	6.7	4
178	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	19.4	7
177	Self-reconstruction of a MOF-derived chromium-doped nickel disulfide in electrocatalytic water oxidation. <i>Chemical Engineering Journal</i> , 2022 , 430, 133046	14.7	5
176	Three-dimensional porous MoS nanobox embedded g-CN@TiO architecture for highly efficient photocatalytic degradation of organic pollutant. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 613-623	8.23	6
175	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 , 1-4	2.6	0
174	Template free-synthesis of cobalt-iron chalcogenides [CoFeL, L = S, Se] and their robust bifunctional electrocatalysis for the water splitting reaction and Cr(vi) reduction.. <i>RSC Advances</i> , 2022 , 12, 7762-7772	3.7	1
173	Heterogeneous FeNi ₂ S ₄ /Ni ₃ S ₄ nanoparticles embedded CNT networks for efficient and stable water oxidation. <i>Journal of Alloys and Compounds</i> , 2022 , 914, 165327	5.7	1
172	Analysis and Design of Terahertz Filter with Transmission Zeros 2021 ,		1
171	Lithiophilic MoN/MoN as multifunctional interlayer for dendrite-free and ultra-stable lithium metal batteries.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 332-341	9.3	0
170	Conductive Vanadium Oxynitride Nanoparticle Anchored Carbon Composite as a New Anode for High Performance Lithium-Ion Batteries. <i>Journal of Physics: Conference Series</i> , 2021 , 1838, 012007	0.3	1
169	Self-assembled Ni/NiO impregnated polyaniline nanoarchitectures: A robust bifunctional catalyst for nitrophenol reduction and epinephrine detection. <i>Applied Catalysis A: General</i> , 2021 , 613, 118028	5.1	9
168	Heterogeneous Bimetallic Selenide Anchored Carbon Nanotubes for Boosted Hydrogen Reactions. <i>Journal of Physics: Conference Series</i> , 2021 , 1838, 012018	0.3	
167	Magnetically recyclable magnetic biochar graphitic carbon nitride nanoarchitectures for highly efficient charge separation and stable photocatalytic activity under visible-light irradiation. <i>Journal of Molecular Liquids</i> , 2021 , 326, 115315	6	8
166	Growth and electrical properties of n-type monolayer sulfur-doped graphene film in air. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158462	5.7	2
165	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	9.5	14

164	In Situ Construction of Mo C Quantum Dots-Decorated CNT Networks as a Multifunctional Electrocatalyst for Advanced Lithium-Sulfur Batteries. <i>Small</i> , 2021 , 17, e2100460	11	34
163	Hollow CoP/FeP Heterostructural Nanorods Interwoven by CNT as a Highly Efficient Electrocatalyst for Oxygen Evolution Reactions. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
162	Hierarchical ultrathin layered MoS@NiFeO nanohybrids as a bifunctional catalyst for highly efficient oxygen evolution and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2021 , 592, 385-396	9.3	11
161	NiP2/FeP heterostructural nanoflowers interwoven by carbon nanotubes as highly efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> , 2021 , 56, 16000-16009	4.3	2
160	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> , 2021 , 52, 130-138	12	37
159	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	9.1	24
158	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	8.3	23
157	Organic carboxylate-based MOFs and derivatives for electrocatalytic water oxidation. <i>Coordination Chemistry Reviews</i> , 2021 , 428, 213619	23.2	35
156	Hierarchically porous nanoarchitecture constructed by ultrathin CoSe2 embedded Fe-CoO nanosheets as robust electrocatalyst for water oxidation. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 229-237	9.1	12
155	Improving Cyclability of Lithium Metal Anode via Constructing Atomic Interlamellar Ion Channel for Lithium Sulfur Battery. <i>Nanoscale Research Letters</i> , 2021 , 16, 52	5	3
154	Outstanding Catalytic Effects of 1TQMoTe Quantum Dots@3D Graphene in Shuttle-Free Li-S Batteries. <i>ACS Nano</i> , 2021 ,	16.7	18
153	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	14.7	5
152	Fe2P nanoparticles embedded on Ni2P nanosheets as highly efficient and stable bifunctional electrocatalysts for water splitting. <i>Journal of Materials Science and Technology</i> , 2021 ,	9.1	1
151	Iron-Modulated Three-Dimensional CoNiP Vertical Nanoarrays: An Exploratory Binder-Free Bifunctional Electrocatalyst for Efficient Overall Water Splitting. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 20972-20979	3.8	4
150	Carbon nanotubes-interconnected heterostructural FeP/Ni2P nanospindles as efficient and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160926	5.7	6
149	MoP QDs@graphene as highly efficient electrocatalyst for polysulfide conversion in Li-S batteries. <i>Journal of Materials Science and Technology</i> , 2021 , 90, 37-44	9.1	6
148	Constructing Ni/NiS Heteronanoparticle-Embedded Metal-Organic Framework-Derived Nanosheets for Enhanced Water-Splitting Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1920-1931	8.3	24
147	Self-assembled CoSe-FeSe heteronanoparticles along the carbon nanotube network for boosted oxygen evolution reaction. <i>Nanoscale</i> , 2021 , 13, 9651-9658	7.7	11

146	Electronic Modulation of Hierarchical Spongy Nanosheets toward Efficient and Stable Water Electrolysis. <i>Small</i> , 2021 , 17, e2006881	11	13
145	Self-assembled NiTe ₂ nanocrystals as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 892, 012003	0.4	1
144	Conductive WO ₃ -x@CNT networks for efficient Li-S batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 892, 012027	0.4	0
143	1T'-ReS ₂ Nanosheets In Situ Grown on Carbon Nanotubes as a Highly Efficient Polysulfide Electrocatalyst for Stable LiS Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2001017	21.8	80
142	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	4.3	2
141	Origin of extra capacity in the solid electrolyte interphase near high-capacity iron carbide anodes for Li ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 2924-2937	35.4	31
140	Employing dual-ligand co-coordination compound to construct nanorod-like Bi-metallic (Fe, Co)P decorated with nitrogen-doped graphene for electrocatalytic overall water splitting. <i>Electrochimica Acta</i> , 2020 , 350, 136338	6.7	10
139	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	14.7	51
138	Metal-Organic Framework-Derived NiS/FeO Heterostructure-Decorated Carbon Nanotubes as Highly Efficient and Durable Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31552-31563	9.5	42
137	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	8.9	20
136	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	13.3	38
135	FeNi ₃ Fe ₃ O ₄ 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> , 2020 , 8, 3820-3831	8.3	43
134	A microwave-assisted bubble bursting strategy to grow Co ₈ Fe ₈ /CoS heterostructure on rearranged carbon nanotubes as efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020 , 449, 227561	8.9	28
133	A three-dimensional porous CoSnS@CNT nanoarchitecture as a highly efficient bifunctional catalyst for boosted OER performance and photocatalytic degradation. <i>Nanoscale</i> , 2020 , 12, 3879-3887	7.7	18
132	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	8.9	19
131	FeNi-modified FeO/NiO/MoO 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	7.7	9
130	NiSe-anchored N, S-doped graphene/Ni foam as a free-standing bifunctional electrocatalyst for efficient water splitting. <i>Nanoscale</i> , 2020 , 12, 9866-9872	7.7	20
129	1T-MoS ₂ nanotubes wrapped with N-doped graphene as highly-efficient absorbent and electrocatalyst for LiS batteries. <i>Journal of Power Sources</i> , 2020 , 447, 227364	8.9	64

128	Hexagonal SnSe nanoplate supported SnO ₂ -CNTs nanoarchitecture for enhanced photocatalytic degradation under visible light driven. <i>Applied Surface Science</i> , 2020 , 507, 145026	6.7	29
127	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	6.1	26
126	Modulation of oxygen functional groups and their influence on the supercapacitor performance of reduced graphene oxide. <i>New Journal of Chemistry</i> , 2020 , 44, 19022-19027	3.6	4
125	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	13	20
124	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 & Interfaces</i> , 2020 , 12, 55782-55794	9.5	21
123	Enhanced power density of a supercapacitor by introducing 3D-interfacial graphene. <i>New Journal of Chemistry</i> , 2020 , 44, 13377-13381	3.6	21
122	Towards large-scale graphene transfer. <i>Nanoscale</i> , 2020 , 12, 10890-10911	7.7	24
121	FeNi nanoparticles embedded porous nitrogen-doped nanocarbon as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 321, 134720	6.7	21
120	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	7.7	50
119	Investigating the stability of molecule doped graphene field effect transistors. <i>New Journal of Chemistry</i> , 2019 , 43, 15275-15279	3.6	27
118	Self-assembled CoSe/carbon nanowires as a highly effective and stable electrocatalyst for the hydrogen evolution reaction.. <i>RSC Advances</i> , 2019 , 9, 17238-17245	3.7	11
117	Freestanding 1T MoS ₂ /graphene heterostructures as a highly efficient electrocatalyst for lithium polysulfides in LiS batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 344-350	35.4	355
116	Self-assembled Ni ₂ P/FeP heterostructural nanoparticles embedded in N-doped graphene nanosheets as highly efficient and stable multifunctional electrocatalyst for water splitting. <i>Electrochimica Acta</i> , 2019 , 318, 449-459	6.7	38
115	Heterogeneous CoFe ₁₀ S 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	8.9	61
114	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	8.9	27
113	Scalable synthesis of self-assembled bimetallic phosphide/N-doped graphene nanoflakes as an efficient electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2019 , 11, 12837-12845	7.7	38
112	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	8.3	47
111	Self-Assembled CoFe Nanoparticle-Embedded Carbon Nanowires as Efficient Nonprecious Catalyst for Overall Water Splitting. <i>Energy Technology</i> , 2019 , 7, 1801061	3.5	2

110	Metal Sulfide-Decorated Carbon Sponge as a Highly Efficient Electrocatalyst and Absorbant for Polysulfide in High-Loading Li2S Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900584	21.8	147
109	NiSe2 nanocrystals anchored graphene nanosheets as highly efficient and stable electrocatalyst for hydrogen evolution reaction in alkaline medium. <i>Journal of Alloys and Compounds</i> , 2019 , 792, 789-796	5.7	35
108	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> , 2019 , 307, 543-552	6.7	79
107	Porous interwoven CoSe2/C microsphere: a highly efficient and stable nonprecious electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Science</i> , 2019 , 54, 14123-14133	4.3	7
106	Three-dimensional porous nanoarchitecture constructed by ultrathin NiCoBOx nanosheets as a highly efficient and durable electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 321, 134666	6.7	16
105	CoSe2 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	21.8	95
104	Hierarchically Porous W-Doped CoP Nanoflake Arrays as Highly Efficient and Stable Electrocatalyst for pH-Universal Hydrogen Evolution. <i>Small</i> , 2019 , 15, e1902613	11	87
103	Scalable Synthesis of Bimetallic Phosphide Decorated in Carbon Nanotube Network as Multifunctional Electrocatalyst for Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13031-13040	8.3	28
102	WC 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	7.7	63
101	Hierarchical MoSe2-CoSe2 nanotubes anchored on graphene nanosheets: A highly efficient and stable electrocatalyst for hydrogen evolution in alkaline medium. <i>Electrochimica Acta</i> , 2019 , 299, 197-205	6.7	47
100	Core-shell Structure of NiSe2 Graphene for Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4351-4359	8.3	50
99	Mo2C Nanodots Anchored on N-Doped Porous CNT Microspheres as Electrode for Efficient Li-Ion Storage. <i>Small Methods</i> , 2019 , 3, 1800287	12.8	53
98	Self-assembled CNT/Ni0.85Se-SnO2 networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 269, 155-162	6.7	21
97	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> , 2018 , 53, 7767-7777	4.7	29
96	Self-assembled pearl-bracelet-like CoSe2/BnSe2/CNT hollow architecture as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1655-1662	13	102
95	Scalable synthesis of Mo2C/CNT networks as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 263, 192-200	6.7	50
94	One-pot synthesis of self-assembled coral-like hierarchical architecture constructed by polymorphic CoSe2 nanocrystals as superior electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 277, 161-167	6.7	19
93	Direct impregnation of SeS2 into a MOF-derived 3D nanoporous CoNiC architecture towards superior rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10466-10473	13	101

92	In situ 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	13	124
91	Synthesis of two-dimensional semiconductor single-crystal PtSe ₂ under high pressure. <i>Journal of Materials Science</i> , 2018 , 53, 1256-1263	4.3	13
90	The ambipolar transport behavior of WSe ₂ transistors and its analogue circuits. <i>NPG Asia Materials</i> , 2018 , 10, 703-712	10.3	86
89	Graphene wrapped self-assembled Ni _{0.85} Se-SnO ₂ microspheres as highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 283, 1146-1153	6.7	15
88	Few-layered WSe ₂ in-situ grown on graphene nanosheets as efficient anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 283, 1660-1667	6.7	33
87	Co _{0.85} 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> , 2018 , 400, 232-241	8.9	67
86	Vertical Co ₉ S ₈ hollow nanowall arrays grown on a Celgard separator as a multifunctional polysulfide barrier for high-performance LiS batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 2560-2568	35.4	365
85	CVD growth of large-area and high-quality HfS ₂ nanoforest on diverse substrates. <i>Applied Surface Science</i> , 2018 , 435, 563-567	6.7	11
84	Enhanced hydrogen evolution performance by covalent-linked ultrafine, uniform Pt nanoparticles with doped sulfur atoms in three-dimensional graphene. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 23231-23238	6.7	12
83	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	6.7	20
82	Few-layered ReS ₂ nanosheets grown on graphene as electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2018 , 37, 1014-1020	5.5	27
81	MOF-derived Cobalt Sulfide Grown on 3D Graphene Foam as an Efficient Sulfur Host for Long-Life Lithium-Sulfur Batteries. <i>IScience</i> , 2018 , 4, 36-43	6.1	117
80	Scalable synthesis of porous hollow CoSe ₂ /MoSe ₂ /carbon microspheres for highly efficient hydrogen evolution reaction in acidic and alkaline media. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12701-12707	13	80
79	Ultrafast ammonia-driven, microwave-assisted synthesis of nitrogen-doped graphene quantum dots and their optical properties. <i>Nanophotonics</i> , 2017 , 6, 259-267	6.3	74
78	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	14.7	89
77	Enhanced photocatalytic properties of graphene modified few-layered WSe ₂ nanosheets. <i>Applied Surface Science</i> , 2017 , 400, 420-425	6.7	51
76	Tunable terahertz reflection of graphene via ionic liquid gating. <i>Nanotechnology</i> , 2017 , 28, 095201	3.4	5
75	Self-assembled CoSe ₂ nanocrystals embedded into carbon nanowires as highly efficient catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017 , 231, 626-631	6.7	79

74	The Application of Graphene in Biosensors 2017 , 299-329		1
73	Three-dimensional structure of WS ₂ /graphene/Ni as a binder-free electrocatalytic electrode for highly effective and stable hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 7811-7819	6.7	68
72	Self-Assembled Coral-like Hierarchical Architecture Constructed by NiSe Nanocrystals with Comparable Hydrogen-Evolution Performance of Precious Platinum Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7154-7159	9.5	128
71	Nanocrystalline Ni _{0.85} Se as Efficient Non-noble-metal Electrocatalyst for Hydrogen Evolution Reaction. <i>Electrochimica Acta</i> , 2017 , 242, 25-30	6.7	80
70	3D-hierarchical MoSe ₂ nanoarchitecture as a highly efficient electrocatalyst for hydrogen evolution. <i>2D Materials</i> , 2017 , 4, 025092	5.9	67
69	Significant enhancement of photocatalytic activity of multi-walled carbon nanotubes modified WSe ₂ composite. <i>Materials Letters</i> , 2017 , 197, 67-70	3.3	19
68	Hierarchical architecture of ReS ₂ /rGO composites with enhanced electrochemical properties for lithium-ion batteries. <i>Applied Surface Science</i> , 2017 , 413, 123-128	6.7	53
67	Self-assembled interwoven CoS ₂ /CNTs/graphene architecture as anode for high-performance lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 708, 1178-1183	5.7	51
66	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	6.7	85
65	Self-assembled cauliflower-like FeS ₂ anchored into graphene foam as free-standing anode for high-performance lithium-ion batteries. <i>Carbon</i> , 2017 , 114, 111-116	10.4	93
64	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	6.7	56
63	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> , 2017 , 42, 27004-27012	6.7	24
62	Interwoven CoSe ₂ /CNTs hybrid as a highly efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017 , 253, 200-207	6.7	46
61	Nanocrystalline CoSe 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	9.5	98
60	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	6.7	44
59	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	5.1	72
58	Tellurium-Impregnated Porous Cobalt-Doped Carbon Polyhedra as Superior Cathodes for Lithium-Tellurium Batteries. <i>ACS Nano</i> , 2017 , 11, 8144-8152	16.7	99
57	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	6.7	51

56	Yolk-Shelled C@Fe O Nanoboxes as Efficient Sulfur Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017 , 29, 1702707	24	370
55	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> , 2017 , 363, 103-109	8.9	64
54	Growth and properties of large-area sulfur-doped graphene films. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7944-7949	7.1	15
53	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	6.7	79
52	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	4.3	38
51	Flexible Transparent Triboelectric Nanogenerators with Graphene and Indium Tin Oxide Electrode Structures. <i>Energy Technology</i> , 2017 , 5, 599-603	3.5	7
50	Carbon Nanotube Modified V ₂ O ₅ Porous Microspheres as Cathodes for High-Performance Lithium-Ion Batteries. <i>Energy Technology</i> , 2017 , 5, 665-669	3.5	11
49	Graphene-like WSe ₂ nanosheets for efficient and stable hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2017 , 691, 698-704	5.7	119
48	Three-Dimensional Hierarchical Reduced Graphene Oxide/Tellurium Nanowires: A High-Performance Freestanding Cathode for Li-Te Batteries. <i>ACS Nano</i> , 2016 , 10, 8837-42	16.7	164
47	Three-dimensional hierarchically structured aerogels constructed with layered MoS ₂ /graphene nanosheets as free-standing anodes for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2016 , 215, 12-18	6.7	112
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