

Yuan-Fu 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.

164
papers

8,161
citations

53
h-index

84
g-index

167
ext. papers

10,069
ext. citations

8.6
avg, IF

6.8
L-index

#	Paper	IF	Citations
164	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
163	Rich and uncovered Fe _N 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	5.7	2
162	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
161	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
160	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
159	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
158	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
157	In Situ Construction of Bronze/Anatase TiO Homogeneous Heterojunctions and Their Photocatalytic Performances.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
156	CNT-interconnected iron-doped NiP ₂ /Ni ₂ P heterostructural nanoflowers as high-efficiency electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 12903-12913	6.7	0
155	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> , 2021 , 133439	14.7	4
154	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
153	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
152	Heterogeneous Bimetallic Selenide Anchored Carbon Nanotubes for Boosted Hydrogen Reactions. <i>Journal of Physics: Conference Series</i> , 2021 , 1838, 012018	0.3	
151	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
150	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
149	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
148	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

147	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
146	Ni ₂ P/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
145	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
144	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
143	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
142	Organic carboxylate-based MOFs and derivatives for electrocatalytic water oxidation. <i>Coordination Chemistry Reviews</i> , 2021 , 428, 213619	23.2	35
141	Hierarchically porous nanoarchitecture constructed by ultrathin CoSe ₂ 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
140	Synchronous growth of 30°-twisted bilayer graphene domains with millimeter scale. <i>2D Materials</i> , 2021 , 8, 021002	5.9	1
139	Outstanding Catalytic Effects of 1TRMoTe Quantum Dots@3D Graphene in Shuttle-Free Li-S Batteries. <i>ACS Nano</i> , 2021 ,	16.7	18
138	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
137	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> , 2021 ,	9.1	1
136	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
135	Carbon nanotubes-interconnected heterostructural FeP/Ni ₂ P nanospindles as efficient and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160926	5.7	6
134	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
133	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
132	Electronic Modulation of Hierarchical Spongy Nanosheets toward Efficient and Stable Water Electrolysis. <i>Small</i> , 2021 , 17, e2006881	11	13
131	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
130	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

129	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
128	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
127	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
126	High-Temperature-Annealed Flexible Carbon Nanotube Network Transistors for High-Frequency Wearable Wireless Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26145-26152	9.5	12
125	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
124	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
123	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
122	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	12.3	38
121	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
120	Improved surface-enhanced Raman scattering (SERS) sensitivity to molybdenum oxide nanosheets via the lightning rod effect with application in detecting methylene blue. <i>Nanotechnology</i> , 2020 , 31, 224002	2.0	5
119	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
118	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
117	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
116	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
115	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
114	Coral-like hierarchical architecture self-assembled by cobalt hexacyanoferrate nanocrystals and N-doped carbon nanoplatelets as efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 190-199	9.3	14
113	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
112	Realization of superior electrochemical performances for ZnMoO ₄ anode material through the construction strategy of 3D flower-like single crystalline. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152673	5.7	12

111	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
110	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
109	Improving and Stabilizing Perovskite Solar Cells with Incorporation of Graphene in the Spiro-OMeTAD Layer: Suppressed Li Ions Migration and Improved Charge Extraction. <i>ACS Applied Energy Materials</i> , 2020 , 3, 970-976	6.1	15
108	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
107	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
106	FeNi nanoparticles embedded porous nitrogen-doped nanocarbon as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 321, 134720	6.7	21
105	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
104	Investigating the stability of molecule doped graphene field effect transistors. <i>New Journal of Chemistry</i> , 2019 , 43, 15275-15279	3.6	27
103	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
102	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
101	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
100	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
99	MnCO ₃ -RGO composite anode materials: In-situ solvothermal synthesis and electrochemical performances. <i>Electrochimica Acta</i> , 2019 , 317, 786-794	6.7	18
98	Enhanced photocatalytic properties of defect-rich Bi ₂ MoO ₆ nanoflakes by cavitation and pitting effect. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120753	12.8	11
97	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
96	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
95	Free-standing S, N co-doped graphene/Ni foam as highly efficient and stable electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 317, 408-415	6.7	16
94	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

93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. <i>Light: Science and Applications</i> , 2019 , 8, 107	16.7	42
82	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
81	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
80	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
79	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
78	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	4.3	29
77	Self-assembled pearl-bracelet-like CoSe2@NiSe2/CNT hollow architecture as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1655-1662	13	102
76	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

75	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	6.7	19
74	Direct impregnation of SeS ₂ into a MOF-derived 3D nanoporous CoNi architecture towards superior rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10466-10473	13	101
73	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
72	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
71	The ambipolar transport behavior of WSe ₂ transistors and its analogue circuits. <i>NPG Asia Materials</i> , 2018 , 10, 703-712	10.3	86
70	Centimeter-sized 2D α -MoO ₃ single crystal: growth, Raman anisotropy, and optoelectronic properties. <i>2D Materials</i> , 2018 , 5, 045011	5.9	28
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Flexible Graphene Field-Effect Transistors With Extrinsic f_{max} of 28 GHz. <i>IEEE Electron Device Letters</i> , 2018 , 39, 1944-1947	4.4	6
61	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
60	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
59	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
58	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

57	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
56	Enhanced photocatalytic properties of graphene modified few-layered WSe ₂ nanosheets. <i>Applied Surface Science</i> , 2017 , 400, 420-425	6.7	51
55	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
54	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
53	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
52	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
51	3D-hierarchical MoSe ₂ nanoarchitecture as a highly efficient electrocatalyst for hydrogen evolution. <i>2D Materials</i> , 2017 , 4, 025092	5.9	67
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	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 ⁹⁸	9.5	98
41	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
40	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

39	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
38	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
37	Graphene-Enhanced Brillouin Optomechanical Microresonator for Ultrasensitive Gas Detection. <i>Nano Letters</i> , 2017 , 17, 4996-5002	11.5	46
36	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
35	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
34	Growth and properties of large-area sulfur-doped graphene films. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7944-7949	7.1	15
33	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
32	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
31	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
30	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
29	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
28	Facile growth of large-area and high-quality few-layer ReS ₂ by physical vapour deposition. <i>Materials Letters</i> , 2016 , 184, 324-327	3.3	22
27	Few-layered WSe ₂ nanoflowers anchored on graphene nanosheets: a highly efficient and stable electrocatalyst for hydrogen evolution. <i>Electrochimica Acta</i> , 2016 , 222, 1293-1299	6.7	93
26	Interwoven WSe ₂ /CNTs hybrid network: A highly efficient and stable electrocatalyst for hydrogen evolution. <i>Electrochemistry Communications</i> , 2016 , 72, 74-78	5.1	102
25	Pomegranate-Like Silicon/Nitrogen-doped Graphene Microspheres as Superior-Capacity Anode for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 215, 667-673	6.7	64
24	Three-dimensional VS ₄ /graphene hierarchical architecture as high-capacity anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 294-299	5.7	56
23	Synthesis of silicon-doped reduced graphene oxide and its applications in dye-sensitive solar cells and supercapacitors. <i>RSC Advances</i> , 2016 , 6, 15080-15086	3.7	38
22	From Metal-Organic Framework to LiS@C-Co-N Nanoporous Architecture: A High-Capacity Cathode for Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2016 , 10, 10981-10987	16.7	241

21	Wrinkled sulfur@graphene microspheres with high sulfur loading as superior-capacity cathode for LiS batteries. <i>Materials Today Energy</i> , 2016 , 1-2, 11-16	7	35
20	Three-Dimensional Hierarchical [email[protected]]: A Highly Efficient Freestanding Cathode for LiS Batteries. <i>ACS Energy Letters</i> , 2016 , 1, 16-20	20.1	145
19	Vertically oriented few-layered HfS ₂ nanosheets: growth mechanism and optical properties. <i>2D Materials</i> , 2016 , 3, 035024	5.9	68
18	Three-Dimensional CNT/Graphene@Li ₂ S Aerogel as Freestanding Cathode for High-Performance LiS Batteries. <i>ACS Energy Letters</i> , 2016 , 1, 820-826	20.1	133
17	Modulation of N-bonding configurations and their influence on the electrical properties of nitrogen-doped graphene. <i>RSC Advances</i> , 2016 , 6, 92682-92687	3.7	9
16	Highly-flexible 3D Li ₂ S/graphene cathode for high-performance lithium sulfur batteries. <i>Journal of Power Sources</i> , 2016 , 327, 474-480	8.9	104
15	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> , 2015 , 3, 18605-18610	13.7	182
14	Self-assembled CoS ₂ nanoparticles wrapped by CoS ₂ -quantum-dots-anchored graphene nanosheets as superior-capability anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 182, 424-429	6.7	111
13	Facile fabrication of RGO wrapped LiMn ₂ O ₄ nanorods as a cathode with enhanced specific capacity. <i>RSC Advances</i> , 2015 , 5, 80063-80068	3.7	28
12	Three-dimensional CoS ₂ /RGO hierarchical architecture as superior-capability anode for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 71790-71795	3.7	39
11	Observation of tunable electrical bandgap in large-area twisted bilayer graphene synthesized by chemical vapor deposition. <i>Scientific Reports</i> , 2015 , 5, 15285	4.9	32
10	Effect of hydrogen on the growth of MoS ₂ thin layers by thermal decomposition method. <i>Vacuum</i> , 2015 , 119, 204-208	3.7	23
9	Enhanced Performance of Lithium Sulfur Battery with a Reduced Graphene Oxide Coating Separator. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1624-A1629	3.9	57
8	Synthesis, characterization and electrical properties of silicon-doped graphene films. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6301-6306	7.1	58
7	The green synthesis of reduced graphene oxide by the ethanol-thermal reaction and its electrical properties. <i>Materials Letters</i> , 2014 , 116, 416-419	3.3	31
6	Phosphorus-doped reduced graphene oxide as an electrocatalyst counter electrode in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 263, 246-251	8.9	93
5	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> , 2014 , 2, 7396	7.1	68
4	Synthesis and electrochemical properties of graphene-modified LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ cathodes for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 2568-2572	3.7	64

3	Pure thiophene-sulfur doped reduced graphene oxide: synthesis, structure, and electrical properties. <i>Nanoscale</i> , 2014 , 6, 7281-7	7-7	105
2	N-doped CNTs capped with carbon layer armored CoFe alloy as highly stable bifunctional catalyst for oxygen electrocatalysis. <i>Nano Research</i> ,1	10	1
1	Vertical Fe(OH) ₃ /Ni ₉ S ₈ nanoarrays electrodeposited on stainless steel as binder-free electrocatalyst for highly efficient and stable oxygen evolution reaction. <i>Journal of Materials Science</i> ,1	4-3	2