

Ye-Xiang Tong

List of Publications by Year in descending order

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12330

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133
docs citations

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times ranked

18689
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible solid-state supercapacitors: design, fabrication and applications. Energy and Environmental Science, 2014, 7, 2160.	30.8	1,156
2	Flexible Energy Storage Devices: Design Consideration and Recent Progress. Advanced Materials, 2014, 26, 4763-4782.	21.0	1,153
3	Oxygen Deficient Hematite Nanorods as High Performance and Novel Negative Electrodes for Flexible Asymmetric Supercapacitors. Advanced Materials, 2014, 26, 3148-3155.	21.0	838
4	Stabilized TiN Nanowire Arrays for High-Performance and Flexible Supercapacitors. Nano Letters, 2012, 12, 5376-5381.	9.1	627
5	Efficient Hydrogen Evolution on Cu Nanodots-Decorated Ni ₃ S ₂ Nanotubes by Optimizing Atomic Hydrogen Adsorption and Desorption. Journal of the American Chemical Society, 2018, 140, 610-617.	13.7	563
6	Activating CoOOH Porous Nanosheet Arrays by Partial Iron Substitution for Efficient Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2018, 57, 2672-2676.	13.8	474
7	Oxygen vacancies promoting photoelectrochemical performance of In ₂ O ₃ nanocubes. Scientific Reports, 2013, 3, 1021.	3.3	427
8	Pt-like Hydrogen Evolution Electrocatalysis on PANI/CoP Hybrid Nanowires by Weakening the Shackles of Hydrogen Ions on the Surfaces of Catalysts. Journal of the American Chemical Society, 2018, 140, 5118-5126.	13.7	425
9	WO ₃ /MoO ₃ Core/Shell Nanowires on Carbon Fabric as an Anode for All-Solid-State Asymmetric Supercapacitors. Advanced Energy Materials, 2012, 2, 1328-1332.	19.5	401
10	Recent advances in metal nitrides as high-performance electrode materials for energy storage devices. Journal of Materials Chemistry A, 2015, 3, 1364-1387.	10.3	396
11	Oxygen Vacancy Induced Bismuth Oxyiodide with Remarkably Increased Visible-Light Absorption and Superior Photocatalytic Performance. ACS Applied Materials & Interfaces, 2014, 6, 22920-22927.	8.0	370
12	Updates on the development of nanostructured transition metal nitrides for electrochemical energy storage and water splitting. Materials Today, 2017, 20, 425-451.	14.2	339
13	A New Benchmark Capacitance for Supercapacitor Anodes by Mixed-Valence Sulfur-Doped V ₆ O ₁₃ . Advanced Materials, 2014, 26, 5869-5875.	21.0	305
14	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. Angewandte Chemie - International Edition, 2017, 56, 2960-2964.	13.8	303
15	Co(OH) ₂ @PANI Hybrid Nanosheets with 3D Networks as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. Advanced Materials, 2015, 27, 7051-7057.	21.0	294
16	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. Angewandte Chemie - International Edition, 2017, 56, 5454-5459.	13.8	292
17	Visible light Bi ₂ S ₃ /Bi ₂ O ₃ /Bi ₂ O ₂ CO ₃ photocatalyst for effective degradation of organic pollutions. Applied Catalysis B: Environmental, 2016, 185, 68-76.	20.2	290
18	Scalable self-growth of Ni@NiO core-shell electrode with ultrahigh capacitance and super-long cyclic stability for supercapacitors. NPG Asia Materials, 2014, 6, e129-e129.	7.9	284

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19	Bifunctional catalytic material: An ultrastable and high-performance surface defect CeO ₂ nanosheets for formaldehyde thermal oxidation and photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 779-787.	20.2	268
20	Nitrogen treatment generates tunable nanohybridization of Ni ₅ P ₄ nanosheets with nickel hydr(oxy)oxides for efficient hydrogen production in alkaline, seawater and acidic media. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 181-194.	20.2	260
21	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6762-6766.	13.8	230
22	Heterojunction Architecture of Na-Doped WO ₃ Nanobundles with Ce ₂ S ₃ Nanodots Hybridized on a Carbon Textile Enables a Highly Efficient Flexible Photocatalyst. <i>Advanced Functional Materials</i> , 2019, 29, 1903490.	14.9	223
23	Computational and Photoelectrochemical Study of Hydrogenated Bismuth Vanadate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10957-10964.	3.1	222
24	Charge Relays via Dual Carbon-Actions on Nanostructured BiVO ₄ for High Performance Photoelectrochemical Water Splitting. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	219
25	Achieving high gravimetric energy density for flexible lithium-ion batteries facilitated by core-double-shell electrodes. <i>Energy and Environmental Science</i> , 2018, 11, 1859-1869.	30.8	216
26	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8120-8124.	13.8	214
27	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. <i>Nano Letters</i> , 2017, 17, 2490-2495.	9.1	204
28	Three-dimensional nickel nitride (Ni ₃ N) nanosheets: free standing and flexible electrodes for lithium ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9844-9849.	10.3	203
29	A review of the development of full cell lithium-ion batteries: The impact of nanostructured anode materials. <i>Nano Research</i> , 2016, 9, 2823-2851.	10.4	198
30	A monolithic metal-free electrocatalyst for oxygen evolution reaction and overall water splitting. <i>Energy and Environmental Science</i> , 2016, 9, 3411-3416.	30.8	197
31	Cu ₂ O-Cu Hybrid Foams as High-Performance Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>ACS Catalysis</i> , 2017, 7, 986-991.	11.2	188
32	A Facile Activation Strategy for an MOF-Derived Metal-Free Oxygen Reduction Reaction Catalyst: Direct Access to Optimized Pore Structure and Nitrogen Species. <i>ACS Catalysis</i> , 2017, 7, 6082-6088.	11.2	188
33	High power density nitridated hematite (Fe ₂ O ₃) nanorods as anode for high-performance flexible lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 308, 7-17.	7.8	182
34	Boosting the photocatalytic performance of (001) BiOI: enhancing donor density and separation efficiency of photogenerated electrons and holes. <i>Chemical Communications</i> , 2016, 52, 5316-5319.	4.1	181
35	Binder-free Fe ₂ N nanoparticles on carbon textile with high power density as novel anode for high-performance flexible lithium ion batteries. <i>Nano Energy</i> , 2015, 11, 348-355.	16.0	180
36	Holey Tungsten Oxynitride Nanowires: Novel Anodes Efficiently Integrate Microbial Chemical Energy Conversion and Electrochemical Energy Storage. <i>Advanced Materials</i> , 2015, 27, 3085-3091.	21.0	177

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37	Cost-effective Alkaline Water Electrolysis Based on Nitrogen- and Phosphorus-Doped Self-Supportive Electrocatalysts. <i>Advanced Materials</i> , 2017, 29, 1702095.	21.0	175
38	A mechanistic study into the catalytic effect of Ni(OH) ₂ on hematite for photoelectrochemical water oxidation. <i>Nanoscale</i> , 2013, 5, 4129.	5.6	169
39	Electrochemical synthesis of hierarchical Cu ₂ O stars with enhanced photoelectrochemical properties. <i>Electrochimica Acta</i> , 2012, 62, 1-7.	5.2	168
40	All-flexible lithium ion battery based on thermally-etched porous carbon cloth anode and cathode. <i>Nano Energy</i> , 2016, 26, 446-455.	16.0	167
41	Engineering Thin MoS ₂ Nanosheets on TiN Nanorods: Advanced Electrochemical Capacitor Electrode and Hydrogen Evolution Electrocatalyst. <i>ACS Energy Letters</i> , 2017, 2, 1862-1868.	17.4	167
42	Co-based MOF-derived Co/CoN/Co ₂ P ternary composite embedded in N- and P-doped carbon as bifunctional nanocatalysts for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 11402-11410.	7.1	167
43	Cerium-based hybrid nanorods for synergetic photo-thermocatalytic degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24740-24747.	10.3	164
44	Efficient Charges Separation Using Advanced BiOI-Based Hollow Spheres Decorated with Palladium and Manganese Dioxide Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2751-2757.	6.7	157
45	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. <i>ACS Energy Letters</i> , 2017, 2, 1752-1759.	17.4	146
46	Enhanced BiVO ₄ Photoanode Photoelectrochemical Performance via Borate Treatment and a NiFeOx Cocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8306-8314.	6.7	144
47	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3403-3407.	13.8	132
48	Phase Boundary Derived Pseudocapacitance Enhanced Nickel-Based Composites for Electrochemical Energy Storage Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1701681.	19.5	124
49	Efficient Hydrogen Evolution Activity and Overall Water Splitting of Metallic Co ₄ N Nanowires through Tunable d-Orbitals with Ultrafast Incorporation of FeOOH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5152-5158.	8.0	120
50	Vanadium Nitride Nanowire Supported SnS ₂ Nanosheets with High Reversible Capacity as Anode Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23205-23215.	8.0	115
51	Titanium dioxide@titanium nitride nanowires on carbon cloth with remarkable rate capability for flexible lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 272, 946-953.	7.8	114
52	Large-Scale Electric-Field Confined Silicon with Optimized Charge-Transfer Kinetics and Structural Stability for High-Rate Lithium-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 7066-7076.	14.6	114
53	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. <i>Advanced Functional Materials</i> , 2018, 28, 1805618.	14.9	110
54	Rational design of atomically dispersed nickel active sites in ¹² -Mo ₂ C for the hydrogen evolution reaction at all pH values. <i>Chemical Communications</i> , 2018, 54, 9901-9904.	4.1	110

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55	Enhanced Efficiency of Electron-Hole Separation in Bi ₂ O ₃ /CO ₃ for Photocatalysis via Acid Treatment. <i>ChemCatChem</i> , 2018, 10, 1982-1987.	3.7	104
56	Oxygen vacancy-based metal oxides photoanodes in photoelectrochemical water splitting. <i>Materials Today Sustainability</i> , 2022, 18, 100118.	4.1	100
57	Defect Engineering of Bismuth Oxide by Iodine Doping for Increasing Charge Transport in Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27859-27867.	8.0	93
58	Dual Doping Induced Interfacial Engineering of Fe ₂ N/Fe ₃ N Hybrids with Favorable Band towards Efficient Overall Water Splitting. <i>ChemCatChem</i> , 2019, 11, 6051-6060.	3.7	92
59	Intermediates Adsorption Engineering of CO ₂ Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production. <i>Advanced Energy Materials</i> , 2019, 9, 1901396.	19.5	92
60	Carbon Dots Sensitized BiOI with Dominant {001} Facets for Superior Photocatalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12788-12794.	3.7	89
61	A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. <i>ACS Nano</i> , 2019, 13, 8246-8255.	14.6	86
62	Enhancing the Photocatalytic Performance of BiOCl by Introducing Surface Disorders and Bi Nanoparticles as Cocatalyst. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500249.	3.7	82
63	Zippering Up NiFe(OH)-Encapsulated Hematite To Achieve an Ultralow Turn-On Potential for Water Oxidation. <i>ACS Energy Letters</i> , 2019, 4, 1983-1990.	17.4	82
64	Alkali-modified non-precious metal 3D-NiCo ₂ O ₄ nanosheets for efficient formaldehyde oxidation at low temperature. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3648-3654.	10.3	81
65	Ultrathin Bi ₂ MoO ₆ Nanosheets for Photocatalysis: Performance Enhancement by Atomic Interfacial Engineering. <i>ChemistrySelect</i> , 2018, 3, 7423-7428.	1.5	81
66	Stretchable Ni@NiCoP textile for wearable energy storage clothes. <i>Nano Energy</i> , 2019, 55, 506-515.	16.0	79
67	Significant performance enhancement of ZnO photoanodes from Ni(OH) ₂ electrocatalyst nanosheets overcoating. <i>Nano Energy</i> , 2014, 6, 10-18.	16.0	76
68	Chemically Lithiated TiO ₂ Heterostructured Nanosheet Anode with Excellent Rate Capability and Long Cycle Life for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25991-26003.	8.0	76
69	Glucose-Induced Formation of Oxygen Vacancy and Bi-Metal Comodified Bi ₅ O ₇ Br Nanotubes for Efficient Performance Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5784-5791.	6.7	72
70	Encapsulated Vanadium-Based Hybrids in Amorphous N-Doped Carbon Matrix as Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2017, 13, 1702081.	10.0	70
71	Enhanced metallicity boosts hydrogen evolution capability of dual-bimetallic Ni-Fe nitride nanoparticles. <i>Materials Today Physics</i> , 2020, 15, 100267.	6.0	67
72	Indium doped BiOI nanosheets: Preparation, characterization and photocatalytic degradation activity. <i>Applied Surface Science</i> , 2017, 423, 1188-1197.	6.1	66

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73	Engineering the Band-Edge of Fe ₂ O ₃ /ZnO Nanoplates via Separate Dual Cation Incorporation for Efficient Photocatalytic Performance. Industrial & Engineering Chemistry Research, 2020, 59, 18865-18872.	3.7	66
74	Low concentration nitric acid facilitate rapid electron-hole separation in vacancy-rich bismuth oxyiodide for photo-thermo-synergistic oxidation of formaldehyde. Applied Catalysis B: Environmental, 2017, 218, 700-708.	20.2	64
75	Freeing the Polarons to Facilitate Charge Transport in BiVO ₄ from Oxygen Vacancies with an Oxidative 2D Precursor. Angewandte Chemie - International Edition, 2019, 58, 19087-19095.	13.8	64
76	Engineering of Oxygen Vacancy and Electric Field Effect by Encapsulating Lithium Titanate in Reduced Graphene Oxide for Superior Lithium Ion Storage. Small Methods, 2019, 3, 1900185.	8.6	64
77	Co ₃ O ₄ @Cu-Based Conductive Metal-Organic Framework Core-Shell Nanowire Electrocatalysts Enable Efficient Overall Potential Water Splitting. Chemistry - A European Journal, 2019, 25, 6575-6583.	3.3	64
78	Iron oxide@graphitic carbon core-shell nanoparticles embedded in ordered mesoporous N-doped carbon matrix as an efficient cathode catalyst for PEMFC. Applied Catalysis B: Environmental, 2020, 264, 118468.	20.2	59
79	Interface charges redistribution enhanced monolithic etched copper foam-based Cu ₂ O layer/TiO ₂ nanodots heterojunction with high hydrogen evolution electrocatalytic activity. Applied Catalysis B: Environmental, 2019, 243, 365-372.	20.2	56
80	Synergistic Performance between Visible-Light Photocatalysis and Thermocatalysis for VOCs Oxidation over Robust Ag/F-Codoped SrTiO ₃ . Industrial & Engineering Chemistry Research, 2018, 57, 12766-12773.	3.7	55
81	Anion-Cation Double Doped Co ₃ O ₄ Microtube Architecture to Promote High-Valence Co Species Formation for Enhanced Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 11901-11910.	6.7	50
82	Hybrid implanted hybrid hollow nanocube electrocatalyst facilitates efficient hydrogen evolution activity. Journal of Materials Chemistry A, 2019, 7, 11150-11159.	10.3	48
83	Harnessing hierarchical architectures to trap light for efficient photoelectrochemical cells. Energy and Environmental Science, 2020, 13, 660-684.	30.8	43
84	Gold nanoparticles inducing surface disorders of titanium dioxide photoanode for efficient water splitting. Nano Energy, 2014, 10, 313-321.	16.0	42
85	Thin-Layer Indium Oxide and Cobalt Oxyhydroxide Cobalt-Modified BiVO ₄ Photoanode for Solar-Assisted Water Electrolysis. Journal of Physical Chemistry C, 2017, 121, 17150-17159.	3.1	39
86	Engineering Heterostructure-Incorporated Metal Silicates Anchored on Carbon Nanotubes for Highly Durable Lithium Storage. ACS Applied Energy Materials, 2021, 4, 1548-1559.	5.1	39
87	Oxygen-Deficient Three-Dimensional Porous Co ₃ O ₄ Nanowires as an Electrode Material for Water Oxidation and Energy Storage. ChemElectroChem, 2017, 4, 2453-2459.	3.4	38
88	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. Angewandte Chemie, 2017, 129, 3006-3010.	2.0	37
89	A Robust Versatile Hybrid Electrocatalyst for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 29356-29364.	8.0	36
90	Photo-enhanced Zn-air batteries with simultaneous highly efficient in situ H ₂ O ₂ generation for wastewater treatment. Journal of Materials Chemistry A, 2019, 7, 14129-14135.	10.3	36

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91	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie</i> , 2017, 129, 8232-8236.	2.0	35
92	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2016, 128, 3464-3468.	2.0	27
93	Etched current collector-guided creation of wrinkles in steel-mesh-supported V_6O_{13} cathode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 756-764.	10.3	26
94	Molecular cooking: Amino acids trap silicon in carbon matrix to boost lithium-ion storage. <i>Energy Storage Materials</i> , 2022, 46, 344-351.	18.0	25
95	Facile Hydrothermal Synthesis of Three Dimensional Hematite Nanostructures with Enhanced Water Splitting Performance. <i>Electrochimica Acta</i> , 2015, 186, 95-100.	5.2	24
96	Low-valence bicomponent $(\text{FeO})_x(\text{MnO})_{1-x}$ nanocrystals embedded in amorphous carbon as high-performance anode materials for lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15274-15283.	10.3	24
97	Heterojunction architecture of pTTh nanoflowers with CuOx nanoparticles hybridized for efficient photoelectrocatalytic degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119249.	20.2	24
98	Harvesting of Infrared Part of Sunlight to Enhance Polaron Transport and Solar Water Splitting. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	24
99	Hollow Co ₂ P/Co-carbon-based hybrids for lithium storage with improved pseudocapacitance and water oxidation anodes. <i>Journal of Materials Science and Technology</i> , 2020, 55, 203-211.	10.7	23
100	PtCu alloy nanotube arrays supported on carbon fiber cloth as flexible anodes for direct methanol fuel cell. <i>AIChE Journal</i> , 2016, 62, 975-983.	3.6	22
101	Intercalation-type MoP and WP nanodots with abundant phase interface embedded in carbon microflower for enhanced Li storage and reaction kinetics. <i>Electrochimica Acta</i> , 2021, 365, 137354.	5.2	22
102	Freeing the Polarons to Facilitate Charge Transport in BiVO ₄ from Oxygen Vacancies with an Oxidative 2D Precursor. <i>Angewandte Chemie</i> , 2019, 131, 19263-19271.	2.0	21
103	Scalable three-dimensional Ni ₃ P-based composite networks for flexible asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 380, 122621.	12.7	21
104	Self-sorting multimetal-organic gel electrocatalysts for a highly efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17451-17458.	10.3	21
105	Enhanced lithium storage performance of porous exfoliated carbon fibers <i>via</i> anchored nickel nanoparticles. <i>RSC Advances</i> , 2018, 8, 17056-17059.	3.6	19
106	Lanthanide-Based Dual Modulation in Hematite Nanospindles for Enhancing the Photocatalytic Performance. <i>ACS Applied Nano Materials</i> , 2022, 5, 8557-8565.	5.0	18
107	Using pulverization phenomenon to extend electrodes cyclic life of ternary metal oxides. <i>Materials Today Energy</i> , 2018, 9, 311-318.	4.7	15
108	Enhanced Photoelectrochemical Oxygen Evolution Reaction Ability of Iron-Derived Hematite Photoanode with Titanium Modification. <i>Chemistry - A European Journal</i> , 2015, 21, 19250-19256.	3.3	14

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109	Layer-stacking porous WCx nanoparticles on carbon cloth as self-supported integrated electrode for hydrogen evolution reaction. <i>Materials Today Energy</i> , 2018, 10, 343-351.	4.7	14
110	3D Hierarchical Nanorod@Nanobowl Array Photoanode with a Tunable Light Trapping Cutoff and Bottom Selective Field Enhancement for Efficient Solar Water Splitting. <i>Small</i> , 2019, 15, e1804976.	10.0	14
111	Covalently Modified Electrode with Pt Nanoparticles Encapsulated in Porous Organic Polymer for Efficient Electrocatalysis. <i>ACS Applied Nano Materials</i> , 2018, 1, 6477-6482.	5.0	13
112	Porous molybdenum tungsten oxynitrides enable long-life supercapacitors with high capacitance. <i>Journal of Power Sources</i> , 2019, 442, 227247.	7.8	13
113	Phytic Acid-Based FeCo Bimetallic Metal-Organic Gels for Electrocatalytic Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3213-3220.	3.3	13
114	Toward Efficient Charge Collection and Light Absorption: A Perspective of Light Trapping for Advanced Photoelectrodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18753-18770.	3.1	12
115	Defect Engineering Enhances the Charge Separation of CeO ₂ Nanorods toward Photocatalytic Methyl Blue Oxidation. <i>Nanomaterials</i> , 2020, 10, 2307.	4.1	12
116	Electrochemical Activation of Heterometallic Nanofibers for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 2393-2401.	5.0	12
117	In Situ Monitoring Small Energy Storage Change of Electrochromic Supercapacitors via Perovskite Photodetectors. <i>Small Methods</i> , 2020, 4, 1900731.	8.6	11
118	Construction of cobalt vacancies in cobalt telluride to induce fast ionic/electronic diffusion kinetics for lithium-ion half/full batteries. <i>Journal of Materials Science and Technology</i> , 2022, 127, 124-132.	10.7	11
119	Boosting the Photoelectrochemical Water Oxidation at Hematite Photoanode by Innovating a Hierarchical Ball-on-Wire-Array Structure. <i>ACS Applied Energy Materials</i> , 2018, 1, 5836-5841.	5.1	9
120	Epitaxial Growth Modulation of Hollow Topologies for High-Performance Electrocatalysts. <i>Chem</i> , 2018, 4, 2015-2017.	11.7	7
121	Promoting Alternative Flexible Substrate for Electrode Materials to Achieve Enhanced Lithium Storage Properties. <i>ChemistrySelect</i> , 2018, 3, 6965-6971.	1.5	7
122	Multifunctional carbon-confined FeS nanoparticles for a self-supporting and high-capacity cathode in lithium ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114849.	3.8	7
123	One-Step Synthesis of ZnNCN Nanoparticles with Adjustable Composition for an Advanced Anode in Lithium Ion Battery. <i>ACS Applied Energy Materials</i> , 2021, 4, 4290-4296.	5.1	7
124	Surface engineering enables highly reversible lithium-ion storage and durable structure for advanced silicon anode. <i>Cell Reports Physical Science</i> , 2021, 2, 100486.	5.6	2
125	Electrolyte additive strategy enhancing the electrochemical performance of a soft-packed LiCoO ₂ /graphite full cell. <i>Dalton Transactions</i> , 2022, 51, 8723-8732.	3.3	2