

Liang Li

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.

179
papers

12,194
citations

57
h-index

107
g-index

189
ext. papers

14,588
ext. citations

14.4
avg, IF

7.11
L-index

#	Paper	IF	Citations
179	Electrospinning for flexible sodium-ion batteries. <i>Energy Storage Materials</i> , 2022 , 45, 704-719	19.4	3
178	A Universal Strategy of Intermolecular Exchange to Stabilize FAPbI ₃ and Manage Crystal Orientation for High-Performance Humid-Air-Processed Perovskite Solar Cells.. <i>Advanced Materials</i> , 2022 , e2200041	24	5
177	Crowning Lithium Ions in Hole Transport Layer toward Stable Perovskite Solar Cells.. <i>Advanced Materials</i> , 2022 , e2200978	24	8
176	Structurally Durable Bimetallic Alloy Anodes Enabled by Compositional Gradients.. <i>Advanced Science</i> , 2022 , e2201209	13.6	2
175	Understanding the Role of Topotactic Anion Exchange in the Robust Cu Ion Storage of CuS@SiO ₂ . <i>ACS Energy Letters</i> , 2022 , 7, 1835-1841	20.1	0
174	Ethylamine Iodide Additive Enables Solid-to-Solid Transformed Highly Oriented Perovskite for Excellent Photodetectors. <i>Advanced Materials</i> , 2021 , e2108569	24	7
173	Polypyrrole Serving as Multifunctional Surface Modifier for Photoanode Enables Efficient Photoelectrochemical Water Oxidation. <i>Small</i> , 2021 , e2105240	11	0
172	An Energetic CuS-Cu Battery System Based on CuS Nanosheet Arrays. <i>ACS Nano</i> , 2021 , 15, 5420-5427	16.7	20
171	Moisture-Triggered Self-Healing Flexible Perovskite Photodetectors with Excellent Mechanical Stability. <i>Advanced Materials</i> , 2021 , 33, e2100625	24	23
170	2D Silicon-Based Semiconductor Si Te toward Broadband Photodetection. <i>Small</i> , 2021 , 17, e2006496	11	10
169	In Situ Assembly of Ordered Hierarchical CuO Microhemisphere Nanowire Arrays for High-Performance Bifunctional Sensing Applications.. <i>Small Methods</i> , 2021 , 5, e2100202	12.8	5
168	Electrochemically Anodized V ₂ O ₅ as an Efficient Sodium Cathode. <i>Energy & Fuels</i> , 2021 , 35, 8358-8364	14	3
167	Laser-Manufactured Metastable Supranano SnOx for Efficient Electron/Ion Bridging in SnO ₂ -Graphene Heterostructure Boosting Lithium Storage. <i>Advanced Functional Materials</i> , 2021 , 31, 2101059	15.6	9
166	Incorporation of Sulfate Anions and Sulfur Vacancies in ZnIn ₂ S ₄ Photoanode for Enhanced Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2021 , 11, 2101181	21.8	18
165	Embedding of TiO ₂ Nanocrystals in MAPbI ₃ Microwires for Improved Responsivity and Detectivity of Photodetector. <i>Small</i> , 2021 , 17, e2101954	11	5
164	Liquid medium annealing for fabricating durable perovskite solar cells with improved reproducibility. <i>Science</i> , 2021 , 373, 561-567	33.3	60
163	2D Ruddlesden-Popper Perovskite with Ordered Phase Distribution for High-Performance Self-Powered Photodetectors. <i>Advanced Materials</i> , 2021 , 33, e2101714	24	17

162	Atomic Sandwiched p-n Homojunctions. <i>Angewandte Chemie</i> , 2021 , 133, 3529-3534	3.6	0
161	Freestanding nanosheets of 1T-2H hybrid MoS ₂ as electrodes for efficient sodium storage. <i>Journal of Materials Science and Technology</i> , 2021 , 67, 237-242	9.1	15
160	Two-Dimensional Nanostructured Metal Oxide/Sulfide-Based Photoanode for Photoelectrochemical Water Splitting. <i>Solar Rrl</i> , 2021 , 5, 2000412	7.1	10
159	Atomic Sandwiched p-n Homojunctions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3487-3492	16.4	12
158	Interfacial Chemical Bond-Modulated Z-Scheme Charge Transfer for Efficient Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2021 , 11, 2003500	21.8	43
157	Molybdenum-based materials for sodium-ion batteries. <i>Information Materials</i> , 2021 , 3, 339-352	23.1	20
156	Intermediate-Adduct-Assisted Growth of Stable CsPbI ₃ Br Inorganic Perovskite Films for High-Efficiency Semitransparent Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2006745	24	23
155	Architecting core-shell nanosheets of MoS ₂ -polypyrrole on carbon cloth as a robust sodium anode. <i>Sustainable Materials and Technologies</i> , 2021 , 28, e00255	5.3	3
154	Atomic layer deposition triggered Fe-In-S cluster and gradient energy band in ZnInS photoanode for improved oxygen evolution reaction. <i>Nature Communications</i> , 2021 , 12, 5247	17.4	10
153	Progress of Lead-Free Halide Perovskites: From Material Synthesis to Photodetector Application. <i>Advanced Functional Materials</i> , 2021 , 31, 2008275	15.6	22
152	Spontaneously Splitting Copper Nanowires into Quantum Dots on Graphdiyne for Suppressing Lithium Dendrites. <i>Advanced Materials</i> , 2020 , 32, e2004379	24	38
151	Theoretical Simulation and Modeling of Three-Dimensional Batteries. <i>Cell Reports Physical Science</i> , 2020 , 1, 100078	6.1	26
150	Nature-inspired Cu ₂ O@CoO tree-like architecture for robust storage of sodium. <i>Journal of Materials Science and Technology</i> , 2020 , 53, 126-131	9.1	11
149	Cathode Architectures for Rechargeable Ion Batteries: Progress and Perspectives. <i>Advanced Materials</i> , 2020 , 32, e2000288	24	29
148	Designing a Transparent CdInS/InS Bulk-Heterojunction Photoanode Integrated with a Perovskite Solar Cell for Unbiased Water Splitting. <i>Advanced Materials</i> , 2020 , 32, e2002893	24	32
147	Three-Dimensional Microbatteries beyond Lithium Ion. <i>Matter</i> , 2020 , 2, 1366-1376	12.7	54
146	Perovskite Transparent Conducting Oxide for the Design of a Transparent, Flexible, and Self-Powered Perovskite Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16462-16468	9.5	24
145	PVP Treatment Induced Gradient Oxygen Doping in In ₂ S ₃ Nanosheet to Boost Solar Water Oxidation of WO ₃ Nanoarray Photoanode. <i>Advanced Energy Materials</i> , 2020 , 10, 1903951	21.8	38

144	A high-activity bimetallic OER cocatalyst for efficient photoelectrochemical water splitting of BiVO. <i>Nanoscale</i> , 2020 , 12, 8875-8882	7.7	6
143	Rooting binder-free tin nanoarrays into copper substrate via tin-copper alloying for robust energy storage. <i>Nature Communications</i> , 2020 , 11, 1212	17.4	33
142	Durian-Inspired Design of Bismuth-Antimony Alloy Arrays for Robust Sodium Storage. <i>ACS Nano</i> , 2020 , 14, 9117-9124	16.7	41
141	Graded energy band engineering for efficient perovskite solar cells. <i>Nano Select</i> , 2020 , 1, 152-168	3.1	4
140	Ion Sputtering-Assisted Double-Side Interfacial Engineering for CdIn ₂ S ₄ Photoanode toward Improved Photoelectrochemical Water Splitting. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901947	4.6	6
139	Nested Inverse Opal Perovskite toward Superior Flexible and Self-Powered Photodetection Performance. <i>Advanced Materials</i> , 2020 , 32, e1906974	24	36
138	Multi-Metal Nanocluster Assisted Cu-Ga-Sn Tri-Doping for Enhanced Photoelectrochemical Water Splitting of BiVO ₄ Film. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000016	4.6	9
137	In Situ Formed Gradient Bandgap-Tunable Perovskite for Ultrahigh-Speed Color/Spectrum-Sensitive Photodetectors via Electron-Donor Control. <i>Advanced Materials</i> , 2020 , 32, e1908108	24	30
136	Flexible and Self-Powered Lateral Photodetector Based on Inorganic Perovskite CsPbI ₃ /CsPbBr ₃ Heterojunction Nanowire Array. <i>Advanced Functional Materials</i> , 2020 , 30, 1909771	15.6	45
135	Realizing Stable Artificial Photon Energy Harvesting Based on Perovskite Solar Cells for Diverse Applications. <i>Small</i> , 2020 , 16, e1906681	11	11
134	Stability enhancement of lead-free CsSnI ₃ perovskite photodetector with reductive ascorbic acid additive. <i>Informa Materials</i> , 2020 , 2, 577-584	23.1	25
133	Dual-Doped Hematite Nanorod Arrays on Carbon Cloth as a Robust and Flexible Sodium Anode. <i>Advanced Functional Materials</i> , 2020 , 30, 1910043	15.6	26
132	Graded Bandgap Perovskite with Intrinsic n-p Homojunction Expands Photon Harvesting Range and Enables All Transport Layer-Free Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1903347	21.8	26
131	Two-dimensional heterojunction SnS ₂ /SnO ₂ photoanode with excellent photoresponse up to near infrared region. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 207, 110342	6.4	6
130	Observing Defect Passivation of the Grain Boundary with 2-Aminoterephthalic Acid for Efficient and Stable Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2020 , 132, 4190-4196	3.6	25
129	Observing Defect Passivation of the Grain Boundary with 2-Aminoterephthalic Acid for Efficient and Stable Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4161-4167	16.4	61
128	Bifunctional Ytterbium (III) Chloride Driven Low-Temperature Synthesis of Stable CsPbI ₃ for High-Efficiency Inorganic Perovskite Solar Cells. <i>Small Methods</i> , 2020 , 4, 1900652	12.8	16
127	Generic Approach to Boost the Sensitivity of Metal Oxide Sensors by Decoupling the Surface Charge Exchange and Resistance Reading Process. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37295-37304	9.5	44

126	Ordered array structures for efficient perovskite solar cells. <i>Engineering Reports</i> , 2020 , 2, e12319	1.2	
125	Modification Engineering in SnO ₂ Electron Transport Layer toward Perovskite Solar Cells: Efficiency and Stability. <i>Advanced Functional Materials</i> , 2020 , 30, 2004209	15.6	50
124	Optical Design in Perovskite Solar Cells. <i>Small Methods</i> , 2020 , 4, 1900150	12.8	20
123	Self-Powered UV-Vis-NIR Photodetector Based on Conjugated-Polymer/CsPbBr ₃ Nanowire Array. <i>Advanced Functional Materials</i> , 2019 , 29, 1906756	15.6	37
122	A Plasma-Triggered O ₂ Bond and P-N Junction Near the Surface of a SnS ₂ Nanosheet Array to Enable Efficient Solar Water Oxidation. <i>Angewandte Chemie</i> , 2019 , 131, 16821-16828	3.6	9
121	Ultrastable Sodium Storage in MoO Nanotube Arrays Enabled by Surface Phosphorylation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37761-37767	9.5	15
120	Regulating the Silicon/Hematite Microwire Photoanode by the Conformal AlO Intermediate Layer for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5978-5988	9.5	18
119	Gradient Energy Band Driven High-Performance Self-Powered Perovskite/CdS Photodetector. <i>Advanced Materials</i> , 2019 , 31, e1806725	24	130
118	Coagulated SnO Colloids for High-Performance Planar Perovskite Solar Cells with Negligible Hysteresis and Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11497-11504	16.4	100
117	Coagulated SnO ₂ Colloids for High-Performance Planar Perovskite Solar Cells with Negligible Hysteresis and Improved Stability. <i>Angewandte Chemie</i> , 2019 , 131, 11621	3.6	4
116	Low-dimensional nanomaterial/Si heterostructure-based photodetectors. <i>Information Materials</i> , 2019 , 1, 140	23.1	38
115	Cation and anion immobilization through chemical bonding enhancement with fluorides for stable halide perovskite solar cells. <i>Nature Energy</i> , 2019 , 4, 408-415	62.3	511
114	A Thermodynamically Favored Crystal Orientation in Mixed Formamidinium/Methylammonium Perovskite for Efficient Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1900390	24	62
113	Template-Free Construction of Self-Supported Sb Prisms with Stable Sodium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1901096	21.8	37
112	Semitransparent, Flexible, and Self-Powered Photodetectors Based on Ferroelectricity-Assisted Perovskite Nanowire Arrays. <i>Advanced Functional Materials</i> , 2019 , 29, 1901280	15.6	51
111	Emerging in-plane anisotropic two-dimensional materials. <i>Information Materials</i> , 2019 , 1, 54-73	23.1	175
110	Doping-Induced Amorphization, Vacancy, and Gradient Energy Band in SnS ₂ Nanosheet Arrays for Improved Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2019 , 131, 6833-6837	3.6	11
109	Doping-Induced Amorphization, Vacancy, and Gradient Energy Band in SnS Nanosheet Arrays for Improved Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6761-6765	16.4	87

108	Impacts of alkaline on the defects property and crystallization kinetics in perovskite solar cells. <i>Nature Communications</i> , 2019 , 10, 1112	17.4	124
107	Tungsten Trioxide Nanostructures for Photoelectrochemical Water Splitting: Material Engineering and Charge Carrier Dynamic Manipulation. <i>Advanced Functional Materials</i> , 2019 , 29, 1809036	15.6	80
106	Nanoimprinted Grating-Embedded Perovskite Solar Cells with Improved Light Management. <i>Advanced Functional Materials</i> , 2019 , 29, 1900830	15.6	53
105	Ultrahigh-Performance Flexible and Self-Powered Photodetectors with Ferroelectric P(VDF-TrFE)/Perovskite Bulk Heterojunction. <i>Advanced Functional Materials</i> , 2019 , 29, 1808415	15.6	63
104	New Insights into the Electron-Collection Efficiency Improvement of CdS-Sensitized TiO Nanorod Photoelectrodes by Interfacial Seed-Layer Mediation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8126-8137	9.5	21
103	Ni/Fe Codoped In ₂ S ₃ Nanosheet Arrays Boost Photo-Electrochemical Performance of Planar Si Photocathodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1902135	21.8	26
102	Adduct phases induced controlled crystallization for mixed-cation perovskite solar cells with efficiency over 21%. <i>Nano Energy</i> , 2019 , 63, 103867	17.1	34
101	A Plasma-Triggered O-S Bond and P-N Junction Near the Surface of a SnS Nanosheet Array to Enable Efficient Solar Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16668-16675	16.4	17
100	Structure and Band Alignment Engineering of CdS/TiO ₂ /Bi ₂ WO ₆ Trilayer Nanoflake Array for Efficient Photoelectrochemical Water Splitting. <i>ChemElectroChem</i> , 2019 , 6, 5248-5254	4.3	9
99	Highly Efficient Sodium Storage in Iron Oxide Nanotube Arrays Enabled by Built-In Electric Field. <i>Advanced Materials</i> , 2019 , 31, e1902603	24	72
98	Designing WO/CdInS type-II heterojunction with both efficient light absorption and charge separation for enhanced photoelectrochemical water splitting. <i>Nanotechnology</i> , 2019 , 30, 495402	3.4	11
97	High-Performance Flexible Self-Powered Photodetector Based on Perovskite and Low-Temperature Processed In ₂ S ₃ Nanoflake Film. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801526	4.6	19
96	Structural Engineering of Si/TiO/P3HT Heterojunction Photodetectors for a Tunable Response Range. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3241-3250	9.5	21
95	A Eu-Eu ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019 , 363, 265-270	33.3	533
94	Self-supported multicomponent CPO-27 MOF nanoarrays as high-performance anode for lithium storage. <i>Nano Energy</i> , 2019 , 57, 711-717	17.1	53
93	A Universal Strategy for Constructing Seamless Graphdiyne on Metal Oxides to Stabilize the Electrochemical Structure and Interface. <i>Advanced Materials</i> , 2019 , 31, e1806272	24	19
92	Phase-Modulated Band Alignment in CdS Nanorod/SnS _x Nanosheet Hierarchical Heterojunctions toward Efficient Water Splitting. <i>Advanced Functional Materials</i> , 2018 , 28, 1706785	15.6	82
91	Loading Amorphous NiMoO ₄ /SnS _x Nanosheet Cocatalyst to Improve Performance of p-Silicon Wafer Photocathode. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1286-1293	6.1	6

90	Application of materials based on group VB elements in sodium-ion batteries: A review. <i>Journal of Materials Science and Technology</i> , 2018 , 34, 1969-1976	9.1	15
89	Phosphorus: An Anode of Choice for Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 1137-1144	20.1	104
88	Efficient planar perovskite solar cells based on low-cost spin-coated ultrathin Nb ₂ O ₅ films. <i>Solar Energy</i> , 2018 , 166, 187-194	6.8	22
87	Ultrahigh-Performance Self-Powered Flexible Double-Twisted Fibrous Broadband Perovskite Photodetector. <i>Advanced Materials</i> , 2018 , 30, e1706986	24	132
86	Regulation of Breathing CuO Nanoarray Electrodes for Enhanced Electrochemical Sodium Storage. <i>Advanced Functional Materials</i> , 2018 , 28, 1707179	15.6	48
85	Unraveling the Growth of Hierarchical Quasi-2D/3D Perovskite and Carrier Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1124-1132	6.4	41
84	Oxygen-deficient Ta ₂ O ₅ nanoporous films as self-supported electrodes for lithium microbatteries. <i>Nano Energy</i> , 2018 , 45, 407-412	17.1	44
83	Ternary non-noble metal zinc-nickel-cobalt carbonate hydroxide cocatalysts toward highly efficient photoelectrochemical water splitting. <i>Journal of Materials Science and Technology</i> , 2018 , 34, 899-904	9.1	23
82	TiO Phase Junction Electron Transport Layer Boosts Efficiency of Planar Perovskite Solar Cells. <i>Advanced Science</i> , 2018 , 5, 1700614	13.6	54
81	Boosting Sodium Storage in TiO Nanotube Arrays through Surface Phosphorylation. <i>Advanced Materials</i> , 2018 , 30, 1704337	24	168
80	Novel perovskite/TiO ₂ /Si trilayer heterojunctions for high-performance self-powered ultraviolet-visible-near infrared (UV-Vis-NIR) photodetectors. <i>Nano Research</i> , 2018 , 11, 1722-1730	10	37
79	Polarized Ferroelectric Field-Enhanced Self-Powered Perovskite Photodetector. <i>ACS Photonics</i> , 2018 , 5, 3731-3738	6.3	20
78	Chemical Modification toward Long Spin Lifetimes in Organic Conjugated Radicals. <i>ChemPhysChem</i> , 2018 , 19, 2972-2977	3.2	7
77	Boosting PEC performance of Si photoelectrodes by coupling bifunctional CuCo hybrid oxide cocatalysts. <i>Nanotechnology</i> , 2018 , 29, 425703	3.4	5
76	Hierarchical Porous Sb Films on 3D Cu Substrate Have Promise for Stable Sodium Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3598-3602	6.1	12
75	Materials Based on Antimony and Bismuth for Sodium Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 13719-13727	4.8	57
74	PbI ₂ /CH ₃ NH ₃ Cl Mixed Precursor-Induced Micrometer-Scale Grain Perovskite Film and Room-Temperature Film Encapsulation toward High Efficiency and Stability of Planar Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800499	4.6	10
73	Heterostructure engineering of molybdenum chalcogenides for stable sodium storage. <i>Materials Technology</i> , 2018 , 33, 543-547	2.1	

72	Modulating oxygen vacancies in Sn-doped hematite film grown on silicon microwires for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15593-15602	13	33
71	Self-Supported 3D Array Electrodes for Sodium Microbatteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704880	15.6	92
70	Exploration of Crystallization Kinetics in Quasi Two-Dimensional Perovskite and High Performance Solar Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 459-465	16.4	248
69	Materials based on group IVA elements for alloying-type sodium storage. <i>Science China Chemistry</i> , 2018 , 61, 1494-1502	7.9	17
68	Simultaneous Manipulation of O-Doping and Metal Vacancy in Atomically Thin Zn In S Nanosheet Arrays toward Improved Photoelectrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16882-16887	16.4	75
67	Simultaneous Manipulation of O-Doping and Metal Vacancy in Atomically Thin Zn ₁₀ In ₁₆ S ₃₄ Nanosheet Arrays toward Improved Photoelectrochemical Performance. <i>Angewandte Chemie</i> , 2018 , 130, 17124-17129	3.6	16
66	A Novel Conductive Mesoporous Layer with a Dynamic Two-Step Deposition Strategy Boosts Efficiency of Perovskite Solar Cells to 20. <i>Advanced Materials</i> , 2018 , 30, e1801935	24	81
65	Bio-inspired engineering of Bi ₂ S ₃ -PPy yolk-shell composite for highly durable lithium and sodium storage. <i>Nano Energy</i> , 2017 , 33, 213-220	17.1	125
64	Bismuth chalcogenide compounds Bi ₂ B (X=O, S, Se): Applications in electrochemical energy storage. <i>Nano Energy</i> , 2017 , 34, 356-366	17.1	132
63	Non-noble bimetallic NiMoO ₄ nanosheets integrated Si photoanodes for highly efficient and stable solar water splitting. <i>Nano Energy</i> , 2017 , 34, 8-14	17.1	60
62	Chemical Reduction of Intrinsic Defects in Thicker Heterojunction Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1606774	24	267
61	Partially sulfurized MoO ₂ film for durable lithium storage. <i>Materials Research Bulletin</i> , 2017 , 96, 360-364	5.1	6
60	Self-Powered, Flexible, and Solution-Processable Perovskite Photodetector Based on Low-Cost Carbon Cloth. <i>Small</i> , 2017 , 13, 1701042	11	94
59	High-performance UV-vis photodetectors based on electrospun ZnO nanofiber-solution processed perovskite hybrid structures. <i>Nano Research</i> , 2017 , 10, 2244-2256	10	62
58	Highly Reversible and Durable Na Storage in Niobium Pentoxide through Optimizing Structure, Composition, and Nanoarchitecture. <i>Advanced Materials</i> , 2017 , 29, 1605607	24	97
57	Three-Dimensional WO Nanoplate/BiS Nanorod Heterojunction as a Highly Efficient Photoanode for Improved Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40235-40243	9.5	99
56	Self-Powered Nanoscale Photodetectors. <i>Small</i> , 2017 , 13, 1701848	11	130
55	TiO Electron Transport Bilayer for Highly Efficient Planar Perovskite Solar Cell. <i>Small</i> , 2017 , 13, 1701535	11	67

54	Hybrid Organic-Inorganic Perovskite Photodetectors. <i>Small</i> , 2017 , 13, 1702107	11	206
53	Photon management for efficient hybrid perovskite solar cells via synergetic localized grating and enhanced fluorescence effect. <i>Nano Energy</i> , 2017 , 40, 540-549	17.1	18
52	Hybrid Nanostructures for Photodetectors. <i>Advanced Optical Materials</i> , 2017 , 5, 1600468	8.1	32
51	Electronic and Optoelectronic Applications Based on 2D Novel Anisotropic Transition Metal Dichalcogenides. <i>Advanced Science</i> , 2017 , 4, 1700231	13.6	145
50	Advances in the Application of Atomic Layer Deposition for Organometal Halide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600505	4.6	18
49	Partial Ion Exchange Derived 2D Cu-Zn-In-S Nanosheets as Sensitizers of 1D TiO Nanorods for Boosting Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26235-26243	9.5	36
48	Boosting Efficiency and Stability of Perovskite Solar Cells with CdS Inserted at TiO ₂ /Perovskite Interface. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600729	4.6	29
47	Superior Sodium Storage in Na ₂ Ti ₃ O ₇ Nanotube Arrays through Surface Engineering. <i>Advanced Energy Materials</i> , 2016 , 6, 1502568	21.8	189
46	Hydrogenation Driven Conductive Na ₂ Ti ₃ O ₇ Nanoarrays as Robust Binder-Free Anodes for Sodium-Ion Batteries. <i>Nano Letters</i> , 2016 , 16, 4544-51	11.5	200
45	Efficient, flexible and mechanically robust perovskite solar cells on inverted nanocone plastic substrates. <i>Nanoscale</i> , 2016 , 8, 4276-83	7.7	89
44	Ultrathin Amorphous Ni(OH) ₂ Nanosheets on Ultrathin Fe ₂ O ₃ Films for Improved Photoelectrochemical Water Oxidation. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600256	4.6	45
43	Self-Supported Nanotube Arrays of Sulfur-Doped TiO ₂ Enabling Ultrastable and Robust Sodium Storage. <i>Advanced Materials</i> , 2016 , 28, 2259-65	24	385
42	A Self-Powered and Stable All-Perovskite Photodetector/Solar Cell Nanosystem. <i>Advanced Functional Materials</i> , 2016 , 26, 1296-1302	15.6	164
41	Enhancing photoelectrochemical activity with three-dimensional p-CuO/n-ZnO junction photocathodes. <i>Science China Materials</i> , 2016 , 59, 825-832	7.1	26
40	Efficient perovskite solar cells based on novel three-dimensional TiO ₂ network architectures. <i>Science Bulletin</i> , 2016 , 61, 778-786	10.6	25
39	Enhanced Photoelectrochemical Performance from Rationally Designed Anatase/Rutile TiO ₂ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12239-45	9.5	116
38	The Additive Coordination Effect on Hybrids Perovskite Crystallization and High-Performance Solar Cell. <i>Advanced Materials</i> , 2016 , 28, 9862-9868	24	235
37	Nanoscale ultraviolet photodetectors based on onedimensional metal oxide nanostructures. <i>Nano Research</i> , 2015 , 8, 382-405	10	106

36	Identifying the optimum thickness of electron transport layers for highly efficient perovskite planar solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16445-16452	13	70
35	Interface Engineering through Atomic Layer Deposition towards Highly Improved Performance of Dye-Sensitized Solar Cells. <i>Scientific Reports</i> , 2015 , 5, 12765	4.9	20
34	A multijunction of ZnIn ₂ S ₄ nanosheet/TiO ₂ film/Si nanowire for significant performance enhancement of water splitting. <i>Nano Research</i> , 2015 , 8, 3524-3534	10	42
33	Ternary nickel cobaltite nanostructures for energy conversion. <i>Functional Materials Letters</i> , 2015 , 08, 1530002	1.2	7
32	A general approach towards carbon nanotube and iron oxide coaxial architecture and its lithium storage capability. <i>Journal of Power Sources</i> , 2015 , 298, 138-143	8.9	12
31	Interface reacted ZnFe ₂ O ₄ on Fe ₂ O ₃ nanoarrays for largely improved photoelectrochemical activity. <i>RSC Advances</i> , 2015 , 5, 79440-79446	3.7	39
30	Ultrathin MoO ₂ nanosheets for superior lithium storage. <i>Nano Energy</i> , 2015 , 11, 129-135	17.1	172
29	Strongly Coupled Bi ₂ S ₃ @CNT Hybrids for Robust Lithium Storage. <i>Advanced Energy Materials</i> , 2014 , 4, 1400798	21.8	135
28	2D ZnIn ₂ S ₄ nanosheet/1D TiO ₂ nanorod heterostructure arrays for improved photoelectrochemical water splitting. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17200-7	9.5	249
27	NiCo ₂ O ₄ Nanostructures as a Promising Alternative for NiO Photocathodes in p-Type Dye-Sensitized Solar Cells with High Efficiency. <i>Energy Technology</i> , 2014 , 2, 517-521	3.5	28
26	CdS nanoscale photodetectors. <i>Advanced Materials</i> , 2014 , 26, 2619-35	24	183
25	Efficient p-type dye-sensitized solar cells with all-nano-electrodes: NiCo ₂ S ₄ mesoporous nanosheet counter electrodes directly converted from NiCo ₂ O ₄ photocathodes. <i>Nanoscale Research Letters</i> , 2014 , 9, 608	5	25
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17	ZnS nanostructures: From synthesis to applications. <i>Progress in Materials Science</i> , 2011 , 56, 175-287	42.2	957
16	Size-tailored ZnO submicrometer spheres: bottom-up construction, size-related optical extinction, and selective aniline trapping. <i>Advanced Materials</i> , 2011 , 23, 1865-70	24	105
15	High-yield synthesis of single-crystalline zinc oxide nanobelts and their applications in novel Schottky solar cells. <i>Chemical Communications</i> , 2011 , 47, 8247-9	5.8	17
14	One-dimensional CdS nanostructures: synthesis, properties, and applications. <i>Nanoscale</i> , 2010 , 2, 168-877.7		276
13	Recent Developments in One-Dimensional Inorganic Nanostructures for Photodetectors. <i>Advanced Functional Materials</i> , 2010 , 20, 4233-4248	15.6	277
12	Single-crystalline CdS nanobelts for excellent field-emitters and ultrahigh quantum-efficiency photodetectors. <i>Advanced Materials</i> , 2010 , 22, 3161-5	24	311
11	Ultrahigh-performance solar-blind photodetectors based on individual single-crystalline In ₂ O ₃ nanobelts. <i>Advanced Materials</i> , 2010 , 22, 5145-9	24	217
10	Direct Electrodeposition of ZnO Nanotube Arrays in Anodic Alumina Membranes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7288-7291	3.8	154
9	Metal Halide Perovskite Nano/Microwires. <i>Small Structures</i> , 2100165	8.7	4
8	Interfacial Passivation and Energy Level Alignment Regulation for Self-Powered Perovskite Photodetectors with Enhanced Performance and Stability. <i>Advanced Materials Interfaces</i> , 2101766	4.6	2
7	Electrospun Materials for Batteries Moving Beyond Lithium-Ion Technologies. <i>Electrochemical Energy Reviews</i> , 1	29.3	5
6	Designing PEDOT-modified V ₆ O ₁₃ nanosheet arrays for sodium storage. <i>Functional Materials Letters</i> , 2143001	1.2	0
5	Thiamine additive engineering enables improved film formation towards high efficiency and moisture stability in perovskite solar cells. <i>Science China Materials</i> , 1	7.1	3
4	Wrapping BiVO ₄ with chlorophyll for greatly improved photoelectrochemical performance and stability. <i>Science China Materials</i> , 1	7.1	0
3	Rooting Zn into metallic Na bulk for energetic metal anode. <i>Science China Materials</i> , 1	7.1	2
2	Recent Progress on Semiconductor Heterojunction-Based Photoanodes for Photoelectrochemical Water Splitting. <i>Small Science</i> , 2100112		10
1	Engineering Interfacial Band Bending over ZnIn ₂ S ₄ /SnS ₂ by Interface Chemical Bond for Efficient Solar-Driven Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2200629	21.8	4

