

# Zhen Li

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7744419/zhen-li-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

135  
papers

11,914  
citations

57  
h-index

108  
g-index

142  
ext. papers

14,006  
ext. citations

13.2  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
135	Stabilizing Perovskite Structures by Tuning Tolerance Factor: Formation of Formamidinium and Cesium Lead Iodide Solid-State Alloys. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 284-292	9.6	1186
134	Graphene-on-silicon Schottky junction solar cells. <i>Advanced Materials</i> , <b>2010</b> , 22, 2743-8	24	910
133	Scalable fabrication of perovskite solar cells. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	532
132	Carrier lifetimes of >1 ns in Sn-Pb perovskites enable efficient all-perovskite tandem solar cells. <i>Science</i> , <b>2019</b> , 364, 475-479	33.3	496
131	Perovskite ink with wide processing window for scalable high-efficiency solar cells. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	398
130	Laminated carbon nanotube networks for metal electrode-free efficient perovskite solar cells. <i>ACS Nano</i> , <b>2014</b> , 8, 6797-804	16.7	371
129	Facile fabrication of large-grain CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xBr <sub>x</sub> films for high-efficiency solar cells via CH <sub>3</sub> NH <sub>3</sub> Br-selective Ostwald ripening. <i>Nature Communications</i> , <b>2016</b> , 7, 12305	17.4	358
128	Extrinsic ion migration in perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1234-1242	35.4	336
127	Comparison of Recombination Dynamics in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films: Influence of Exciton Binding Energy. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4688-92	6.4	284
126	Colloidal antireflection coating improves graphene-silicon solar cells. <i>Nano Letters</i> , <b>2013</b> , 13, 1776-81	11.5	277
125	Recyclable carbon nanotube sponges for oil absorption. <i>Acta Materialia</i> , <b>2011</b> , 59, 4798-4804	8.4	255
124	TiO <sub>2</sub> nanotube arrays based flexible perovskite solar cells with transparent carbon nanotube electrode. <i>Nano Energy</i> , <b>2015</b> , 11, 728-735	17.1	249
123	Improved Phase Stability of Formamidinium Lead Triiodide Perovskite by Strain Relaxation. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 1014-1020	20.1	244
122	Achieving high efficiency silicon-carbon nanotube heterojunction solar cells by acid doping. <i>Nano Letters</i> , <b>2011</b> , 11, 1901-5	11.5	216
121	Soft, highly conductive nanotube sponges and composites with controlled compressibility. <i>ACS Nano</i> , <b>2010</b> , 4, 2320-6	16.7	206
120	Suppressing defects through the synergistic effect of a Lewis base and a Lewis acid for highly efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3480-3490	35.4	202
119	Cooperative tin oxide fullerene electron selective layers for high-performance planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14276-14283	13	178

118	Super-stretchable spring-like carbon nanotube ropes. <i>Advanced Materials</i> , <b>2012</b> , 24, 2896-900	24	165
117	Boron Doping of Graphene for Graphene/Silicon p-n Junction Solar Cells. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 425-429	21.8	147
116	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 1248-1262	27.8	143
115	Do grain boundaries dominate non-radiative recombination in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite thin films?. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 5043-5050	3.6	141
114	Bimolecular Additives Improve Wide-Band-Gap Perovskites for Efficient Tandem Solar Cells with CIGS. <i>Joule</i> , <b>2019</b> , 3, 1734-1745	27.8	131
113	TiO <sub>2</sub> -coated carbon nanotube-silicon solar cells with efficiency of 15%. <i>Scientific Reports</i> , <b>2012</b> , 2, 884	4.9	127
112	2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 934-940	28.7	119
111	Graphene Nano-patches on a Carbon Nanotube Network for Highly Transparent/Conductive Thin Film Applications. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14008-14012	3.8	114
110	Outlook and Challenges of Perovskite Solar Cells toward Terawatt-Scale Photovoltaic Module Technology. <i>Joule</i> , <b>2018</b> , 2, 1437-1451	27.8	113
109	Highly Efficient Perovskite Solar Modules by Scalable Fabrication and Interconnection Optimization. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 322-328	20.1	111
108	Superlow thermal conductivity 3D carbon nanotube network for thermoelectric applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 81-6	9.5	105
107	Water-Soluble Triazolium Ionic-Liquid-Induced Surface Self-Assembly to Enhance the Stability and Efficiency of Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900417	15.6	102
106	300% Enhancement of Carrier Mobility in Uniaxial-Oriented Perovskite Films Formed by Topotactic-Oriented Attachment. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606831	24	101
105	Selective dissolution of halide perovskites as a step towards recycling solar cells. <i>Nature Communications</i> , <b>2016</b> , 7, 11735	17.4	92
104	Enhanced photovoltaic properties in graphene/polycrystalline BiFeO <sub>3</sub> /Pt heterojunction structure. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 132904	3.4	91
103	Acid Additives Enhancing the Conductivity of Spiro-OMeTAD Toward High-Efficiency and Hysteresis-Less Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601451	21.8	90
102	Insights into operational stability and processing of halide perovskite active layers. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1341-1348	35.4	89
101	Targeting Ideal Dual-Absorber Tandem Water Splitting Using Perovskite Photovoltaics and CuIn <sub>x</sub> Ga <sub>1-x</sub> Se <sub>2</sub> Photocathodes. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501520	21.8	89

100	Hybrid heterojunction and photoelectrochemistry solar cell based on silicon nanowires and double-walled carbon nanotubes. <i>Nano Letters</i> , <b>2009</b> , 9, 4338-42	11.5	88
99	Impact of Layer Thickness on the Charge Carrier and Spin Coherence Lifetime in Two-Dimensional Layered Perovskite Single Crystals. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2273-2279	20.1	84
98	Carbon nanotube and CdSe nanobelt Schottky junction solar cells. <i>Nano Letters</i> , <b>2010</b> , 10, 3583-9	11.5	84
97	Recent progress in thermoelectric materials. <i>Science Bulletin</i> , <b>2014</b> , 59, 2073-2091		83
96	Polarization and Dielectric Study of Methylammonium Lead Iodide Thin Film to Reveal its Nonferroelectric Nature under Solar Cell Operating Conditions. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 142-149	20.1	82
95	Organometallic-functionalized interfaces for highly efficient inverted perovskite solar cells.. <i>Science</i> , <b>2022</b> , 376, 416-420	33.3	81
94	Overtwisted, resolvable carbon nanotube yarn entanglement as strain sensors and rotational actuators. <i>ACS Nano</i> , <b>2013</b> , 7, 8128-35	16.7	80
93	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated $\alpha$ - $\beta$ Phase Transformation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3246-3250	9.6	79
92	Thermoelectric transport across graphene/hexagonal boron nitride/graphene heterostructures. <i>Nano Research</i> , <b>2015</b> , 8, 666-672	10	76
91	Carbon nanotubes as an efficient hole collector for high voltage methylammonium lead bromide perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 6352-60	7.7	76
90	Effects of alloying on the optical properties of organic/inorganic lead halide perovskite thin films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7775-7782	7.1	75
89	Large-scale preparation of segregated PLA/carbon nanotube composite with high efficient electromagnetic interference shielding and favourable mechanical properties. <i>Composites Part B: Engineering</i> , <b>2018</b> , 155, 405-413	10	75
88	Highly twisted double-helix carbon nanotube yarns. <i>ACS Nano</i> , <b>2013</b> , 7, 1446-53	16.7	73
87	Efficiency enhancement of graphene/silicon-pillar-array solar cells by HNO <sub>3</sub> and PEDOT-PSS. <i>Nanoscale</i> , <b>2012</b> , 4, 2130-3	7.7	69
86	Room-temperature synthesis of Cu(2-x)E (E = S, Se) nanotubes with hierarchical architecture as high-performance counter electrodes of quantum-dot-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1055-63	4.8	65
85	Large area, highly transparent carbon nanotube spiderwebs for energy harvesting. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7236		62
84	Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. <i>Nature Communications</i> , <b>2021</b> , 12, 468	17.4	61
83	Flame synthesis of few-layered graphene/graphite films. <i>Chemical Communications</i> , <b>2011</b> , 47, 3520-2	5.8	60

82	Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800232	21.8	59
81	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11448-11459	13	58
80	A Highly Flexible and Lightweight MnO <sub>2</sub> /Graphene Membrane for Superior Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007397	15.6	58
79	Oil spill cleanup from sea water by carbon nanotube sponges. <i>Frontiers of Materials Science</i> , <b>2013</b> , 7, 170-176	2.5	57
78	Quantitative analysis of time-resolved microwave conductivity data. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 493002	3	56
77	Graphene-CdSe nanobelt solar cells with tunable configurations. <i>Nano Research</i> , <b>2011</b> , 4, 891-900	10	56
76	Vertical Orientated DionJacobson Quasi-2D Perovskite Film with Improved Photovoltaic Performance and Stability. <i>Small Methods</i> , <b>2020</b> , 4, 1900831	12.8	52
75	Ionic and Optical Properties of Methylammonium Lead Iodide Perovskite across the Tetragonal-Cubic Structural Phase Transition. <i>ChemSusChem</i> , <b>2016</b> , 9, 2692-2698	8.3	51
74	A facile route to isotropic conductive nanocomposites by direct polymer infiltration of carbon nanotube sponges. <i>ACS Nano</i> , <b>2011</b> , 5, 4276-83	16.7	51
73	Synthesis of nitrogen-doped carbon thin films and their applications in solar cells. <i>Carbon</i> , <b>2011</b> , 49, 5022-5028	5.0	50
72	Probing Perovskite Inhomogeneity beyond the Surface: TOF-SIMS Analysis of Halide Perovskite Photovoltaic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28541-28552	9.5	49
71	Thermally Stable Perovskite Solar Cells by Systematic Molecular Design of the Hole-Transport Layer. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 473-482	20.1	48
70	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7227-7233	16.4	42
69	Topology evolution of graphene in chemical vapor deposition, a combined theoretical/experimental approach toward shape control of graphene domains. <i>Nanotechnology</i> , <b>2012</b> , 23, 115605	3.4	39
68	Hybrid Perovskite-Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000361	21.8	37
67	Gate tunable graphene-silicon Ohmic/Schottky contacts. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 223113	3.4	37
66	Doped carbon nanotube array with a gradient of nitrogen concentration. <i>Carbon</i> , <b>2010</b> , 48, 3097-3102	10.4	37
65	Photocatalytic, recyclable CdS nanoparticle-carbon nanotube hybrid sponges. <i>Nano Research</i> , <b>2012</b> , 5, 265-271	10	36

64	Third-order nonlinear optical properties of methylammonium lead halide perovskite films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4847-4852	7.1	36
63	Fiber and fabric solar cells by directly weaving carbon nanotube yarns with CdSe nanowire-based electrodes. <i>Nanoscale</i> , <b>2012</b> , 4, 4954-9	7.7	33
62	Controllable growth of shaped graphene domains by atmospheric pressure chemical vapour deposition. <i>Nanoscale</i> , <b>2011</b> , 3, 4946	7.7	33
61	Efficient energy conversion of nanotube/nanowire-based solar cells. <i>Chemical Communications</i> , <b>2010</b> , 46, 5533-5	5.8	33
60	Elastic carbon nanotube straight yarns embedded with helical loops. <i>Nanoscale</i> , <b>2013</b> , 5, 2403-10	7.7	32
59	Hybrid thin films of graphene nanowhiskers and amorphous carbon as transparent conductors. <i>Chemical Communications</i> , <b>2010</b> , 46, 3502-4	5.8	32
58	Electrochemical impedance analysis of perovskite-electrolyte interfaces. <i>Chemical Communications</i> , <b>2017</b> , 53, 2467-2470	5.8	31
57	Facile synthesis of core-shell CuO/Ag nanowires with enhanced photocatalytic and enhancement in photocurrent. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 419, 9-16	9.3	31
56	Large-Area Flexible Core-Shell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, n/a-n/a	15.6	29
55	Electron Transport Bilayer with Cascade Energy Alignment for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900333	7.1	28
54	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105539	24	27
53	Effect of non-stoichiometric solution chemistry on improving the performance of wide-bandgap perovskite solar cells. <i>Materials Today Energy</i> , <b>2018</b> , 7, 232-238	7	26
52	Enabling highly efficient photocatalytic hydrogen generation and organics degradation via a perovskite solar cell-assisted semiconducting nanocomposite photoanode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 165-171	13	25
51	Low-Cost, Efficient, and Durable H <sub>2</sub> Production by Photoelectrochemical Water Splitting with CuGaSe Photocathodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19573-19579	9.5	25
50	Ethanol flame synthesis of highly transparent carbon thin films. <i>Carbon</i> , <b>2011</b> , 49, 237-241	10.4	22
49	Improving Photovoltaic Performance Using Perovskite/Surface-Modified Graphitic Carbon Nitride Heterojunction. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900413	7.1	22
48	Inhomogeneous Doping of Perovskite Materials by Dopants from Hole-Transport Layer. <i>Matter</i> , <b>2020</b> , 2, 261-272	12.7	22
47	Graphene buffered galvanic synthesis of graphene-metal hybrids. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13241		21

46	(C6H5NH3)BiI4: a lead-free perovskite with >330 days humidity stability for optoelectronic applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15722-15730	13	20
45	Wire-supported CdSe nanowire array photoelectrochemical solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 3583-8	3.6	20
44	Step driven competitive epitaxial and self-limited growth of graphene on copper surface. <i>AIP Advances</i> , <b>2011</b> , 1, 032145	1.5	19
43	CuI-Si heterojunction solar cells with carbon nanotube films as flexible top-contact electrodes. <i>Nano Research</i> , <b>2011</b> , 4, 979-986	10	18
42	Perovskite solar cell using a two-dimensional titania nanosheet thin film as the compact layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15117-22	9.5	17
41	Sulfonated Graphene Aerogels Enable Safe-to-Use Flexible Perovskite Solar Modules. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2103236	21.8	17
40	Ordered Single-Crystalline Anatase TiO Nanorod Clusters Planted on Graphene for Fast Charge Transfer in Photoelectrochemical Solar Cells. <i>Small</i> , <b>2017</b> , 13, 1700793	11	16
39	Enhanced performance and stability of p-i-n perovskite solar cells by utilizing an AIE-active cathode interlayer. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15662-15672	13	16
38	Fabrication of silicon microwire arrays for photovoltaic applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 102, 109-114	2.6	16
37	Suspended, straightened carbon nanotube arrays by gel chapping. <i>ACS Nano</i> , <b>2011</b> , 5, 5656-61	16.7	16
36	Introduction of a Stable Radical in Polymer Capacitor Enables High Energy Storage and Pulse Discharge Efficiency. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9355-9362	9.6	16
35	Unexpectedly high stability and surface reconstruction of PdAuAg nanoparticles for formate oxidation electrocatalysis. <i>Nanoscale</i> , <b>2020</b> , 12, 11659-11671	7.7	15
34	One-dimensional heterostructures of single-walled carbon nanotubes and CdSe nanowires. <i>Small</i> , <b>2010</b> , 6, 376-80	11	15
33	An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. <i>Nano Energy</i> , <b>2022</b> , 93, 106853	17.1	15
32	Wire-shaped perovskite solar cell based on TiO2 nanotubes. <i>Nanotechnology</i> , <b>2016</b> , 27, 20LT01	3.4	15
31	Alcohol Vapor Post-Annealing for Highly Efficient Sb2S3 Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900133	7.1	14
30	Ag nanoparticles decorated ZnO nanoarrays with enhanced surface-enhanced Raman scattering and field emission property. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16233-16238	2.1	13
29	Hybrid effect of gas flow and light excitation in carbon/silicon Schottky solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3330		12



28	Nanobelt-carbon nanotube cross-junction solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6119	35.4	11
27	Interfacial Engineering of Wide-Bandgap Perovskites for Efficient Perovskite/CZTSSe Tandem Solar Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 11, 2107359	15.6	10
26	Efficient and Stable Carbon-Based Perovskite Solar Cells via Passivation by a Multifunctional Hydrophobic Molecule with Bidentate Anchors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16485-16497	9.5	10
25	Low-Temperature Processed Carbon Electrode-Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 95-102	13	10
24	Lead-free perovskite [H <sub>3</sub> NC <sub>6</sub> H <sub>4</sub> NH <sub>3</sub> ] <sub>2</sub> CuBr <sub>4</sub> with both a bandgap of 1.43 eV and excellent stability. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5484-5488	13	8
23	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7303-7309	3.6	8
22	Facile and scalable synthesis of hierarchically porous graphene architecture for hydrogen storage and high-rate supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 17675-17681	2.1	7
21	Solution-processed bulk heterojunction solar cells based on interpenetrating CdS nanowires and carbon nanotubes. <i>Nano Research</i> , <b>2012</b> , 5, 595-604	10	7
20	Fluorine-Induced Surface Metallization for Ammonia Synthesis under Photoexcitation up to 1550 nm. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11173-11179	16.4	6
19	Bubble-promoted assembly of hierarchical, porous Ag <sub>2</sub> S nanoparticle membranes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24721		5
18	Controlling the band structure and photocatalytic performance of single atom Ag/C <sub>3</sub> N <sub>4</sub> catalysts by variation of silver concentration. <i>Inorganic Chemistry Frontiers</i> ,	6.8	4
17	Annealing free tin oxide electron transport layers for flexible perovskite solar cells. <i>Nano Energy</i> , <b>2022</b> , 94, 106919	17.1	4
16	Recent progress in stabilizing perovskite solar cells through two-dimensional modification. <i>APL Materials</i> , <b>2021</b> , 9, 070702	5.7	4
15	Real-time Illumination Estimation for Mixed Reality on Mobile Devices <b>2020</b> ,		3
14	Self-Assembly of Chiral Nematic Liquid Crystalline Phases of AgNR@SiO <sub>2</sub> @Cysteine@CsPbBr <sub>3</sub> Hybrid Nanorods with Plasmon-Dependent Photoluminescence. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000008	3.1	3
13	Strongly quantum-confined Mn <sup>2+</sup> -doped CsPbBr <sub>3</sub> nanocrystals in MCM-41 with pure blue emission. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2980-2985	3.6	3
12	Mechanical and thermal properties of waterborne polyurethane films modified by CaCO <sub>3</sub> @TiO <sub>2</sub> particles with UV absorption activity. <i>Chemical Research in Chinese Universities</i> , <b>2017</b> , 33, 1007-1011	2.2	3
11	Heterostructured Co/Mo-sulfide catalyst enables unbiased solar water splitting by integration with perovskite solar cells. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 309, 121272	21.8	3



10	Block Iodide, Save Perovskite Modules. <i>Joule</i> , <b>2019</b> , 3, 2594-2595	27.8	2
9	Perovskite Solar Cells: Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation (Adv. Energy Mater. 22/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870101	21.8	1
8	Improve photocurrent quantum efficiency of carbon nanotube by chemical treatment. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 131, 680-685	4.4	1
7	Comparison of Photovoltaic Performance Enhancement in BiFeO <sub>3</sub> by Using Graphene and Carbon Nanotubes as Transparent Electrode <b>2012</b> ,		1
6	Boosting the electrochemistry of Li <sub>2</sub> O <sub>2</sub> in lithium-oxygen batteries by plasmon-induced hot-electron injection. <i>New Journal of Chemistry</i> ,	3.6	1
5	Silver-Mediated Growth of Chiral Ag/Au-Cysteine Hybrid Nanospheres with Giant Chiroptical Response. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 1900338	3.1	1
4	Exciton-Phonon Coupling of Chiral One-Dimensional Lead-Free Hybrid Metal Halides at Room Temperature.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4073-4081	6.4	1
3	Chirality Transfer from Chiral Mesoporous Silica to Perovskite CsPbBr <sub>3</sub> Nanocrystals: The Role of Chiral Confinement. <i>CCS Chemistry</i> ,1-20	7.2	0
2	Recent Advances in Perovskite Tandem Devices. <i>Materials and Energy</i> , <b>2018</b> , 141-197		
1	Fluorine-Induced Surface Metallization for Ammonia Synthesis under Photoexcitation up to 1550 nm. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11273-11279	3.6	