Yue Hu

List of Publications by Year
in descending order

138 papers	7,474 citations	71061 41 h-index	58549 82 g-index
140 all docs	140 docs citations	140 times ranked	7376 citing authors

#	Article	IF	Citations
1	Challenges for commercializing perovskite solar cells. Science, 2018, 361, .	6.0	1,327
2	Two-dimensional Ruddlesdenâ€“Popper layered perovskite solar cells based on phase-pure thin films. Nature Energy, 2021, 6, 38-45.	19.8	342
3	Stable Largeâ€Area (10â€‰Ã—â€‰10â€‰cm²) Printable Mesoscopic Perovskite Module Exceeding 10% Efficiency. Solar Rrl, 2017, 1, 1600019.	3.1	272
4	Synergy of ammonium chloride and moisture on perovskite crystallization for efficient printable mesoscopic solar cells. Nature Communications, 2017, 8, 14555.	5.8	270
5	A Review on Additives for Halide Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1902492.	10.2	240
6	Stabilizing Perovskite Solar Cells to IEC61215:2016 Standards with over 9,000-h Operational Tracking. Joule, 2020, 4, 2646-2660.	11.7	218
7	Improved Performance of Printable Perovskite Solar Cells with Bifunctional Conjugated Organic Molecule. Advanced Materials, 2018, 30, 1705786.	11.1	209
8	Tunable hysteresis effect for perovskite solar cells. Energy and Environmental Science, 2017, 10, 2383-2391.	15.6	188
9	Effect of guanidinium on mesoscopic perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 73-78.	5.2	146
10	A Review on Scaling Up Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2008621.	7.8	143
11	Solvent effect on the hole-conductor-free fully printable perovskite solar cells. Nano Energy, 2016, 27, 130-137.	8.2	141
12	Encapsulation of Printable Mesoscopic Perovskite Solar Cells Enables High Temperature and Longâ€Term Outdoor Stability. Advanced Functional Materials, 2019, 29, 1809129.	7.8	133
13	Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and Emerging Techniques. Journal of Physical Chemistry Letters, 2018, 9, 2707-2713.	2.1	124
14	Molecular Engineering of Potent Sensitizers for Very Efficient Light Harvesting in Thin-Film Solid-State Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2016, 138, 10742-10745.	6.6	119
15	Organicâ€“Inorganic Copper(II)-Based Material: A Low-Toxic, Highly Stable Light Absorber for Photovoltaic Application. Journal of Physical Chemistry Letters, 2017, 8, 1804-1809.	2.1	103
16	Lead-Free Dionâ€“Jacobson Tin Halide Perovskites for Photovoltaics. ACS Energy Letters, 2019, 4, 276-277.	8.8	101
17	Lead-free pseudo-three-dimensional organicâ€“inorganic iodobismuthates for photovoltaic applications. Sustainable Energy and Fuels, 2017, 1, 308-316.	2.5	90
18	Improvement and Regeneration of Perovskite Solar Cells via Methylamine Gas Postâ€Treatment. Advanced Functional Materials, 2017, 27, 1703060.	7.8	89

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19	Pt(II) Metal Complexes Tailored with a Newly Designed Spiro-Arranged Tetradentate Ligand; Harnessing of Charge-Transfer Phosphorescence and Fabrication of Sky Blue and White OLEDs. Inorganic Chemistry, 2015, 54, 4029-4038.	1.9	87
20	Tailoring the Dimensionality of Hybrid Perovskites in Mesoporous Carbon Electrodes for Typeâ€II Band Alignment and Enhanced Performance of Printable Holeâ€Conductorâ€Free Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2100292.	10.2	85
21	Boron-Doped Graphite for High Work Function Carbon Electrode in Printable Hole-Conductor-Free Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 31721-31727.	4.0	83
22	Oxygen management in carbon electrode for high-performance printable perovskite solar cells. Nano Energy, 2018, 53, 160-167.	8.2	83
23	Narrowing band gap of platinum acetylide dye-sensitized solar cell sensitizers with thiophene Ï€-bridges. Journal of Materials Chemistry, 2012, 22, 5382.	6.7	82
24	Enhanced electronic properties in CH₃NH₃PbI₃via LiCl mixing for hole-conductor-free printable perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 16731-16736.	5.2	81
25	Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. Carbon, 2018, 129, 830-836.	5.4	79
26	Efficient hole-conductor-free, fully printable mesoscopic perovskite solar cells with carbon electrode based on ultrathin graphite. Carbon, 2017, 120, 71-76.	5.4	77
27	Efficient Perovskite Photovoltaicâ€Thermoelectric Hybrid Device. Advanced Energy Materials, 2018, 8, 1702937.	10.2	71
28	Effect of an auxiliary acceptor on Dâ€“Aâ€“Ï€â€“A sensitizers for highly efficient and stable dye-sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 12865-12877.	5.2	66
29	Crystallization Control of Ternaryâ€Cation Perovskite Absorber in Tripleâ€Mesoscopic Layer for Efficient Solar Cells. Advanced Energy Materials, 2020, 10, 1903092.	10.2	63
30	Efficient triple-mesoscopic perovskite solar mini-modules fabricated with slot-die coating. Nano Energy, 2020, 74, 104842.	8.2	63
31	Amide Additives Induced a Fermi Level Shift To Improve the Performance of Hole-Conductor-Free, Printable Mesoscopic Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2019, 10, 6865-6872.	2.1	62
32	A self-assembled perylene diimide nanobelt for efficient visible-light-driven photocatalytic H₂ evolution. Chemical Communications, 2019, 55, 8090-8093.	2.2	57
33	Standardizing Perovskite Solar Modules beyond Cells. Joule, 2019, 3, 2076-2085.	11.7	56
34	The Influence of the Work Function of Hybrid Carbon Electrodes on Printable Mesoscopic Perovskite Solar Cells. Journal of Physical Chemistry C, 2018, 122, 16481-16487.	1.5	52
35	New Organic Donorâ€“Acceptorâ€“Ï€â€“Acceptor Sensitizers for Efficient Dyeâ€Sensitized Solar Cells and Photocatalytic Hydrogen Evolution under Visibleâ€Light Irradiation. ChemSusChem, 2014, 7, 2879-2888.	3.6	50
36	A thermoresponsive fluorescent rotor based on a hinged naphthalimide for a viscometer and a viscosity-related thermometer. Journal of Materials Chemistry C, 2016, 4, 5696-5701.	2.7	50

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37	Stability improvement under high efficiencyâ€"next stage development of perovskite solar cells. Science China Chemistry, 2019, 62, 684-707.	4.2	50
38	Halide Perovskite Crystallization Processes and Methods in Nanocrystals, Single Crystals, and Thin Films. Advanced Materials, 2022, 34, e2200720.	11.1	50
39	Insight into quinoxaline containing Dâ€“Ï€â€“A dyes for dye-sensitized solar cells with cobalt and iodine based electrolytes: the effect of Ï€-bridge on the HOMO energy level and photovoltaic performance. Journal of Materials Chemistry A, 2015, 3, 21733-21743.	5.2	47
40	Printable carbon-based hole-conductor-free mesoscopic perovskite solar cells: From lab to market. Materials Today Energy, 2018, 7, 221-231.	2.5	47
41	Near-infrared absorbing isoindigo sensitizers: Synthesis and performance for dye-sensitized solar cells. Dyes and Pigments, 2015, 112, 327-334.	2.0	42
42	A favored crystal orientation for efficient printable mesoscopic perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 11148-11154.	5.2	42
43	Molecular engineering of Dâ€“Aâ€“Ï€â€“A sensitizers for highly efficient solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 3157-3166.	5.2	41
44	Minimizing the Voltage Loss in Holeâ€Conductorâ€Free Printable Mesoscopic Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	10.2	41
45	Mixed (5-AVA)_xMA_{1âˆ’x}PbI_{3âˆ’y}(BF₄)_y perovskites enhance the photovoltaic performance of hole-conductor-free printable mesoscopic solar cells. Journal of Materials Chemistry A, 2018, 6, 2360-2364.	5.2	40
46	A low-temperature carbon electrode with good perovskite compatibility and high flexibility in carbon based perovskite solar cells. Chemical Communications, 2019, 55, 2765-2768.	2.2	40
47	Highly oriented MAPbI3 crystals for efficient hole-conductor-free printable mesoscopic perovskite solar cells. Fundamental Research, 2022, 2, 276-283.	1.6	40
48	Fine tuning of pyridinium-functionalized dibenzo[<i>a</i>,<i>c</i>]phenazine near-infrared AIE fluorescent biosensors for the detection of lipopolysaccharide, bacterial imaging and photodynamic antibacterial therapy. Journal of Materials Chemistry C, 2019, 7, 12509-12517.	2.7	37
49	Interfacial Chemical Bridge Constructed by Zwitterionic Sulfamic Acid for Efficient and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 3186-3192.	2.5	37
50	Improving the Performance of Perovskite Solar Cells via a Novel Additive of <i>N</i>,1â€Fluoroformamidinium Iodide with Electronâ€Withdrawing Fluorine Group. Advanced Functional Materials, 2021, 31, 2010603.	7.8	37
51	Development of formamidinium lead iodide-based perovskite solar cells: efficiency and stability. Chemical Science, 2022, 13, 2167-2183.	3.7	37
52	Aggregated-induced emission phenothiazine probe for selective ratiometric response of hypochlorite over other reactive oxygen species. Dyes and Pigments, 2016, 128, 54-59.	2.0	36
53	Vanadium Oxide Post-Treatment for Enhanced Photovoltage of Printable Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 2619-2625.	3.2	36
54	First-Principles Insights into the Stability Difference between ABX₃ Halide Perovskites and Their A₂BX₆ Variants. Journal of Physical Chemistry C, 2021, 125, 9688-9694.	1.5	36

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55	Efficient Compact-Layer-Free, Hole-Conductor-Free, Fully Printable Mesoscopic Perovskite Solar Cell. Journal of Physical Chemistry Letters, 2016, 7, 4142-4146.	2.1	35
56	High performance solid-state dye-sensitized solar cells based on organic blue-colored dyes. Journal of Materials Chemistry A, 2017, 5, 1242-1247.	5.2	35
57	Extending lead-free hybrid photovoltaic materials to new structures: thiazolium, aminothiazolium and imidazolium iodobismuthates. Dalton Transactions, 2018, 47, 7050-7058.	1.6	34
58	High performance printable perovskite solar cells based on Cs0.1FA0.9PbI3 in mesoporous scaffolds. Journal of Power Sources, 2019, 415, 105-111.	4.0	34
59	Enhanced perovskite electronic properties via A-site cation engineering. Fundamental Research, 2021, 1, 385-392.	1.6	34
60	Oxygen Vacancy Management for Highâ€Temperature Mesoporous SnO₂ Electron Transport Layers in Printable Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
61	Efficient Pt(<scp>ii</scp>) emitters assembled from neutral bipyridine and dianionic bipyrazolate: designs, photophysical characterization and the fabrication of non-doped OLEDs. Journal of Materials Chemistry C, 2015, 3, 10837-10847.	2.7	31
62	Ultraflexible and Malleable Fe/BaTiO₃ Multiferroic Heterostructures for Functional Devices. Advanced Functional Materials, 2021, 31, 2009376.	7.8	30
63	High Absorption Coefficient Cyclopentadithiophene Donor-Free Dyes for Liquid and Solid-State Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2016, 120, 15027-15034.	1.5	28
64	â€˜Donor-freeâ€™ oligo(3-hexylthiophene) dyes for efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 2509-2516.	5.2	28
65	Significance of Ï€-bridge contribution in pyrido[3,4-b]pyrazine featured Dâ€“Aâ€“Ï€â€“A organic dyes for dye-sensitized solar cells. Materials Chemistry Frontiers, 2017, 1, 181-189.	3.2	28
66	A Multifunctional Bis-Adduct Fullerene for Efficient Printable Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10835-10841.	4.0	28
67	Noble-Metal-Free Perovskiteâ€“BiVO₄ Tandem Device with Simple Preparation Method for Unassisted Solar Water Splitting. Energy & Fuels, 2020, 34, 5016-5023.	2.5	28
68	Screen printing process control for coating high throughput titanium dioxide films toward printable mesoscopic perovskite solar cells. Frontiers of Optoelectronics, 2019, 12, 344-351.	1.9	26
69	van der Waals Mixed Valence Tin Oxides for Perovskite Solar Cells as UV-Stable Electron Transport Materials. Nano Letters, 2020, 20, 8178-8184.	4.5	26
70	Diketopyrrolopyrrole-based multifunctional ratiometric fluorescent probe and Î³-glutamyltranspeptidase-triggered activatable photosensitizer for tumor therapy. Journal of Materials Chemistry C, 2020, 8, 8183-8190.	2.7	26
71	Efficient sinter-free nanostructure Pt counter electrode for dye-sensitized solar cells. Journal of Materials Chemistry C, 2014, 2, 8497-8500.	2.7	24
72	A strategy to design novel structure photochromic sensitizers for dye-sensitized solar cells. Scientific Reports, 2015, 5, 8592.	1.6	24

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73	Crystallization Control of Methylammoniumâ€Free Perovskite in Twoâ€Step Deposited Printable Tripleâ€Mesoscopic Solar Cells. Solar Rrl, 2020, 4, 2000455.	3.1	24
74	In Situ Formation of Î´-FAPbI₃ at the Perovskite/Carbon Interface for Enhanced Photovoltage of Printable Mesoscopic Perovskite Solar Cells. Chemistry of Materials, 2022, 34, 728-735.	3.2	24
75	Printed hole-conductor-free mesoscopic perovskite solar cells with excellent long-term stability using PEAI as an additive. Journal of Energy Chemistry, 2018, 27, 764-768.	7.1	23
76	Mesoporous-Carbon-Based Fully-Printable All-Inorganic Monoclinic CsPbBr₃ Perovskite Solar Cells with Ultrastability under High Temperature and High Humidity. Journal of Physical Chemistry Letters, 2020, 11, 9689-9695.	2.1	23
77	Postâ€Treatment of Mesoporous Scaffolds for Enhanced Photovoltage of Tripleâ€Mesoscopic Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000185.	3.1	22
78	Dye sensitized solar cells with cobalt and iodine-based electrolyte: the role of thiocyanate-free ruthenium sensitizers. Journal of Materials Chemistry A, 2014, 2, 19556-19565.	5.2	21
79	Improvements in printable mesoscopic perovskite solar cells <i>via</i> thinner spacer layers. Sustainable Energy and Fuels, 2018, 2, 2412-2418.	2.5	21
80	Ethanol stabilized precursors for highly reproducible printable mesoscopic perovskite solar cells. Journal of Power Sources, 2019, 424, 261-267.	4.0	21
81	Spacer improvement for efficient and fully printable mesoscopic perovskite solar cells. RSC Advances, 2017, 7, 10118-10123.	1.7	19
82	A C₆₀ Modification Layer Using a Scalable Deposition Technology for Efficient Printable Mesoscopic Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800174.	3.1	19
83	<i>In situ</i> transfer of CH₃NH₃PbI₃ single crystals in mesoporous scaffolds for efficient perovskite solar cells. Chemical Science, 2020, 11, 474-481.	3.7	19
84	A 2D Model for Interfacial Recombination in Mesoscopic Perovskite Solar Cells with Printed Back Contact. Solar Rrl, 2021, 5, 2000595.	3.1	19
85	Modulating Oxygen Vacancies in BaSnO₃ for Printable Carbon-Based Mesoscopic Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 11032-11040.	2.5	17
86	In-situ microfluidic controlled, low temperature hydrothermal growth of nanoflakes for dye-sensitized solar cells. Scientific Reports, 2015, 5, 17750.	1.6	16
87	Enhanced efficiency of printable mesoscopic perovskite solar cells using ionic liquid additives. Chemical Communications, 2021, 57, 4027-4030.	2.2	16
88	Celluloseâ€Based Oxygenâ€Rich Activated Carbon for Printable Mesoscopic Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100333.	3.1	16
89	Yttriumâ€doped <scp>Sn₃O₄ twoâ€dimensional</scp> electron transport material for perovskite solar cells with efficiency over 23%. EcoMat, 2022, 4, .	6.8	16
90	Low temperature growth of hybrid ZnO/TiO₂ nano-sculptured foxtail-structures for dye-sensitized solar cells. RSC Advances, 2014, 4, 61153-61159.	1.7	15

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91	A novel method to synthesize BiSI uniformly coated with rGO by chemical bonding and its application as a supercapacitor electrode material. Journal of Materials Chemistry A, 2021, 9, 15452-15461.	5.2	15
92	Two-Stage Melt Processing of Phase-Pure Selenium for Printable Triple-Mesoscopic Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 33879-33885.	4.0	14
93	Spacer layer design for efficient fully printable mesoscopic perovskite solar cells. RSC Advances, 2019, 9, 29840-29846.	1.7	14
94	Quinacridone-pyridine dicarboxylic acid based donorâ€“acceptor supramolecular nanobelts for significantly enhanced photocatalytic hydrogen production. Journal of Materials Chemistry C, 2020, 8, 930-934.	2.7	14
95	Aggregation-induced emission fluorophores based on strong electron-acceptor 2,2â€²-(anthracene-9,10-diylidene) dimalononitrile for biological imaging in the NIR-II window. Chemical Communications, 2021, 57, 3099-3102.	2.2	14
96	Simultaneous Improvement of the Power Conversion Efficiency and Stability of Perovskite Solar Cells by Doping PMMA Polymer in Spiroâ€OMeTADâ€Based Holeâ€Transporting Layer. Solar Rrl, 2021, 5, 2100408.	3.1	14
97	Halogen Bond Involved Postâ€Treatment for Improved Performance of Printable Holeâ€Conductorâ€Free Mesoscopic Perovskite Solar Cells. Solar Rrl, 2022, 6, 2100851.	3.1	14
98	Progress in Multifunctional Molecules for Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900248.	3.1	13
99	Series Resistance Modulation for Largeâ€Area Fully Printable Mesoscopic Perovskite Solar Cells. Solar Rrl, 2022, 6, 2100554.	3.1	13
100	A multifunctional piperidine-based modulator for printable mesoscopic perovskite solar cells. Chemical Engineering Journal, 2022, 446, 136967.	6.6	13
101	Effect of Ï€-bridge groups based on indeno[1,2-<i>b</i>]thiophene Dâ€“Aâ€“Ï€â€“A sensitizers on the performance of dye-sensitized solar cells and photocatalytic hydrogen evolution. Journal of Materials Chemistry C, 2020, 8, 14864-14872.	2.7	12
102	Geometrical Isomerism of Ru^{II} Dyeâ€Sensitized Solar Cell Sensitizers and Effects on Photophysical Properties and Device Performances. ChemPhysChem, 2014, 15, 1207-1215.	1.0	11
103	Unprecedented Strong Panchromic Absorption from Protonâ€Switchable Iridium(III) Azoimidazolate Complexes. Chemistry - A European Journal, 2015, 21, 19128-19135.	1.7	11
104	Modeling the edge effect for measuring the performance of mesoscopic solar cells with shading masks. Journal of Materials Chemistry A, 2019, 7, 10942-10948.	5.2	11
105	Influence of precursor concentration on printable mesoscopic perovskite solar cells. Frontiers of Optoelectronics, 2020, 13, 256-264.	1.9	11
106	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability. Advanced Materials, 2022, 34, e2108419.	11.1	11
107	Ï€â€“Ï€ and pâ€“Ï€ conjugation, which is more efficient for intermolecular charge transfer in starburst triarylamine donors of platinum acetylide sensitizers?. Dyes and Pigments, 2014, 111, 21-29.	2.0	10
108	Fullerene derivative as an additive for highly efficient printable mesoscopic perovskite solar cells. Organic Electronics, 2018, 62, 653-659.	1.4	10

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109	Revealing the Role of Bifunctional Molecules in Crystallizing Methylammonium Lead Iodide through Geometric Isomers. Chemistry of Materials, 2021, 33, 4014-4022.	3.2	10
110	Unveiling the effect of amino acids on the crystallization pathways of methylammonium lead iodide perovskites. Journal of Energy Chemistry, 2022, 69, 253-260.	7.1	10
111	Interfacial Energy Band Alignment Enables the Reduction of Potential Loss for Hole-Conductor-Free Printable Mesoscopic Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2022, 13, 2144-2149.	2.1	10
112	Atypical organic dyes used as sensitizers for efficient dye-sensitized solar cells. Frontiers of Optoelectronics, 2016, 9, 38-43.	1.9	9
113	Cl-Assisted Perovskite Crystallization Pathway in the Confined Space of Mesoporous Metal Oxides Unveiled by In Situ Grazing Incidence Wide-Angle X-ray Scattering. Chemistry of Materials, 2022, 34, 2231-2237.	3.2	9
114	Precise Tuning of Skyrmion Density in a Controllable Manner by Ion Irradiation. ACS Applied Materials & Interfaces, 2022, 14, 34011-34019.	4.0	8
115	Pure organic quinacridone dyes as dual sensitizers in tandem photoelectrochemical cells for unassisted total water splitting. Chemical Communications, 2021, 57, 5634-5637.	2.2	7
116	Investigating the iodide and bromide ion exchange in metal halide perovskite single crystals and thin films. Chemical Communications, 2021, 57, 6125-6128.	2.2	7
117	Improving Holeâ€Conductorâ€Free Fully Printable Mesoscopic Perovskite Solar Cellsâ€™ Performance with Enhanced Openâ€Circuit Voltage via the Octyltrimethylammonium Chloride Additive. Solar Rrl, 2021, 5, 2000825.	3.1	6
118	SnO2 modified mesoporous ZrO2 as efficient electron-transport layer for carbon-electrode based, low-temperature mesoscopic perovskite solar cells. Applied Physics Letters, 2022, 120, .	1.5	6
119	Trivalent Europium Ions Doped CsPbBr₃ for Highly Efficient and Stable Printable Mesoscopic Perovskite Solar Cells and Driving Water Electrolysis. Solar Rrl, 2022, 6, .	3.1	6
120	Hole-conductor-free perovskite solar cells. MRS Bulletin, 2020, 45, 449-457.	1.7	5
121	Theoretical and Experimental Research on the Bulk Photovoltaic Effect in Hybrid Organicâ€"Inorganic Perovskites CH₃NH₃PbI₂<i>X</i> (<i>X</i> = Cl, Br, I). Science of Advanced Materials, 2016, 8, 2223-2230.	0.1	5
122	A Siliconâ€based Imidazolium Ionic Liquid Iodide Source for Dyeâ€Sensitized Solar Cells. Chinese Journal of Chemistry, 2013, 31, 388-392.	2.6	4
123	Ruthenium Dyes with Azo Ligands: Light Harvesting, Excited-State Properties and Relevance to Dye-Sensitised Solar Cells. European Journal of Inorganic Chemistry, 2015, 2015, 5864-5873.	1.0	4
124	Linker effect of ethylenedioxythiophenes in platinum acetylide sensitizers with hybrid starburst donors for dye-sensitized solar cells. Solar Energy, 2015, 118, 441-450.	2.9	4
125	Passivating the interface between halide perovskite and SnO2 by capsaicin to accelerate charge transfer and retard recombination. Applied Physics Letters, 2022, 120, .	1.5	4
126	Oxygen Vacancy Management for Highâ€Temperature Mesoporous SnO₂ Electron Transport Layers in Printable Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	3

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127	Aiming at the industrialization of perovskite solar cells: Coping with stability challenge. Applied Physics Letters, 2021, 119, .	1.5	3
128	Modeling and Balancing the Solvent Evaporation of Thermal Annealing Process for Metal Halide Perovskites and Solar Cells. Small Methods, 2022, 6, e2200161.	4.6	2
129	5-Phenyl-iminostilbene based organic dyes for efficient dye-sensitized solar cells. Tetrahedron, 2014, 70, 6241-6248.	1.0	1
130	Magnetotransport Mechanism of Individual Nanostructures <i>via</i> Direct Magnetoresistance Measurement <i>in situ</i> SEM. ACS Applied Materials & Interfaces, 2020, 12, 39798-39806.	4.0	1
131	Passive Visible-to-Telecom Converter Using Tunable Perovskites and Silicon Photonics. Journal of Lightwave Technology, 2020, 38, 3533-3539.	2.7	1
132	Solar Cells: Crystallization Control of Ternaryâ€Cation Perovskite Absorber in Tripleâ€Mesoscopic Layer for Efficient Solar Cells (Adv. Energy Mater. 5/2020). Advanced Energy Materials, 2020, 10, 2070022.	10.2	1
133	Interfacial Roughness Facilitated by Dislocation and a Metal-Fuse Resistor Fabricated Using a Nanomanipulator. ACS Applied Materials & Interfaces, 2020, 12, 24442-24449.	4.0	1
134	Multiferroic Heterostructures: Ultraflexible and Malleable Fe/BaTiO₃ Multiferroic Heterostructures for Functional Devices (Adv. Funct. Mater. 16/2021). Advanced Functional Materials, 2021, 31, 2170111.	7.8	1
135	Efficient hole-conductor-free printable mesoscopic perovskite solar cells based on hybrid carbon electrodes. , 2018, , .		0
136	Bridge from Visible Light Communication to Telecommunication via Perovskite-Silicon Photonics. , 2019, , .		0
137	Beyond traditional photovoltaics: Photoelectric characteristics of printable mesoscopic perovskite solar cells under low light intensities. Chinese Science Bulletin, 2020, 65, 4272-4280.	0.4	0
138	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability (Adv. Mater. 13/2022). Advanced Materials, 2022, 34, .	11.1	0