

Electron-Hole Diffusion Lengths Exceeding 1 Micrometer Perovskite Absorber

Science

342, 341-344

DOI: [10.1126/science.1243982](https://doi.org/10.1126/science.1243982)

Citation Report

#	ARTICLE	IF	CITATIONS
16	Perovskites under the Sun. Nature Materials, 2013, 12, 1087-1089.	13.3	109
17	Small Photocarrier Effective Masses Featuring Ambipolar Transport in Methylammonium Lead Iodide Perovskite: A Density Functional Analysis. Journal of Physical Chemistry Letters, 2013, 4, 4213-4216.	2.1	675
18	Perovskite-Based Solar Cells. Science, 2013, 342, 317-318.	6.0	731
19	Plasmonic Structure Enhanced Exciton Generation at the Interface between the Perovskite Absorber and Copper Nanoparticles. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	14
20	Rutherford Backscattering Spectroscopy of Mass Transport by Transformation of PbI ₂ into CH ₃ NH ₃ PbI ₃ within np-TiO ₂ . Hybrid Materials, 2014, 1, .	0.7	3
21	Optical properties of organometallic perovskite: An ab initio study using relativistic GW correction and Bethe-Salpeter equation. Europhysics Letters, 2014, 108, 67015.	0.7	47
22	THE PAST AND PRESENT. Series on Photoconversion of Solar Energy, 2014, , 1-39.	0.2	0
23	MAPbI _{3-x} Cl _x mixed halide perovskite for hybrid solar cells: the role of chloride as dopant on the transport and structural properties. Materials Research Society Symposia Proceedings, 2014, 1667, 41.	0.1	4
24	band gap of the hybrid organic-inorganic perovskite Effect of spin-orbit interaction, semicore electrons, an. Physical Review B, 2014, 90, . Density Functional Theory Simulations of Semiconductors for Photovoltaic Applications: Hybrid Organic-Inorganic Perovskites and III/V Heterostructures. International Journal of Photoenergy, 2014, 2014, 1-11.	1.1	126
25	Ultrafast charge generation, high and balanced charge carrier mobilities in organo halide perovskite solar cell. , 2014, , .	1.4	23
26	Perovskites and their Potential use in Solar Energy Applications. Science Progress, 2014, 97, 279-287.	1.0	12
27	CHAPTER 7. Perovskite Solar Cells. RSC Energy and Environment Series, 0, , 242-257.	0.2	3
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29	Random lasing in organo-lead halide perovskite microcrystal networks. Applied Physics Letters, 2014, 105, .	1.5	135
30	Steric engineering of metal-halide perovskites with tunable optical band gaps. Nature Communications, 2014, 5, 5757.	5.8	787
31	Origin and elimination of photocurrent hysteresis by fullerene passivation in CH ₃ NH ₃ PbI ₃ planar heterojunction solar cells. Nature Communications, 2014, 5, 5784.	5.8	2,531
32	Lasing behaviors upon phase transition in solution-processed perovskite thin films. Applied Physics Letters, 2014, 105, .	1.5	59

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34	Combinatorial Screening of Photoelectrocatalytic System with High Signal/Noise Ratio. <i>Analytical Chemistry</i> , 2014, 86, 11972-11976.	3.2	8
35	Efficient methylammonium lead iodide perovskite solar cells with active layers from 300 to 900 nm. <i>APL Materials</i> , 2014, 2, .	2.2	118
36	Tunable ferroelectric polarization and its interplay with spin-orbit coupling in tin iodide perovskites. <i>Nature Communications</i> , 2014, 5, 5900.	5.8	247
37	Hole-transport material variation in fully vacuum deposited perovskite solar cells. <i>APL Materials</i> , 2014, 2, .	2.2	163
38	Perovskite-based low-cost and high-efficiency hybrid halide solar cells. <i>Photonics Research</i> , 2014, 2, 111.	3.4	89
39	Mechanical properties of hybrid organic-inorganic CH ₃ NH ₃ BX ₃ (B = Sn, Pb; X = Br, I) perovskites for solar cell absorbers. <i>APL Materials</i> , 2014, 2, .	2.2	293
40	Shallow halogen vacancies in halide optoelectronic materials. <i>Physical Review B</i> , 2014, 90, .	1.1	119
41	Fully crystalline perovskite-perylene hybrid photovoltaic cell capable of 1.2 V output with a minimized voltage loss. <i>APL Materials</i> , 2014, 2, .	2.2	37
42	Chloride in Lead Chloride-Derived Organo-Metal Halides for Perovskite-Absorber Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 7158-7165.	3.2	256
43	An easy-to-fabricate low-temperature TiO ₂ electron collection layer for high efficiency planar heterojunction perovskite solar cells. <i>APL Materials</i> , 2014, 2, .	2.2	99
44	CH ₃ NH ₃ PbI ₃ -Based Planar Solar Cells with Magnetron-Sputtered Nickel Oxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22862-22870.	4.0	214
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46	Magnetron Sputtered Zinc Oxide Nanorods as Thickness-Insensitive Cathode Interlayer for Perovskite Planar-Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20585-20589.	4.0	63
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53	Theoretical insights into multibandgap hybrid perovskites for photovoltaic applications. Proceedings of SPIE, 2014, , .	0.8	9
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56	Switchable $\langle i \rangle S \langle /i \rangle = 1/2$ and $\langle i \rangle J \langle /i \rangle = 1/2$ Rashba bands in ferroelectric halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6900-6904.	3.3	252
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58	Investigating Charge Dynamics in Halide Perovskite Sensitized Mesoporous Solar Cells. Materials Research Society Symposia Proceedings, 2014, 1667, 7.	0.1	2
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84	Atomistic Origins of High-Performance in Hybrid Halide Perovskite Solar Cells. <i>Nano Letters</i> , 2014, 14, 2584-2590.	4.5	2,068
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1212	Optimal Design and Simulation of High-Performance Organic-Metal Halide Perovskite Solar Cells. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-6.	1.0	33
1213	Correlating structure and electronic band-edge properties in organolead halide perovskites nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14933-14940.	1.3	32
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2635	Impact of Postsynthetic Surface Modification on Photoluminescence Intermittency in Formamidinium Lead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6041-6047.	2.1	67
2636	Thermal Conductivity of Methylammonium Lead Halide Perovskite Single Crystals and Thin Films: A Comparative Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28306-28311.	1.5	93
2637	Spatially inhomogeneous photoluminescence-voltage hysteresis in planar heterojunction perovskite-based solar cells. <i>Applied Physics Letters</i> , 2017, 111, 223901.	1.5	4
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2642	Transparent perovskite light-emitting diodes by employing organic-inorganic multilayer transparent top electrodes. <i>Applied Physics Letters</i> , 2017, 111, 213301.	1.5	6
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2663	Enhancing moisture-tolerance and photovoltaic performances of FAPbI ₃ by bismuth incorporation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25258-25265.	5.2	50
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3492	Versatile perovskite solar cell encapsulation by low-temperature ALD-Al ₂ O ₃ with long-term stability improvement. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2468-2479.	2.5	66
3493	Carrier Dynamics Engineering for High-Performance Electron-Transport-Layer-free Perovskite Photovoltaics. <i>CheM</i> , 2018, 4, 2405-2417.	5.8	57
3494	Novel efficient C60-based inverted perovskite solar cells with negligible hysteresis. <i>Electrochimica Acta</i> , 2018, 288, 115-125.	2.6	40
3495	Ultra-stable 2D layered methylammonium cadmium trihalide perovskite photoelectrodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11552-11560.	2.7	20
3497	Recent advances of low-dimensional materials in lasing applications. <i>FlatChem</i> , 2018, 10, 22-38.	2.8	14
3498	An all-inorganic lead halide perovskite-based photocathode for stable water reduction. <i>Chemical Communications</i> , 2018, 54, 11459-11462.	2.2	61
3499	Improvements in printable mesoscopic perovskite solar cells via thinner spacer layers. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2412-2418.	2.5	21
3500	Millimeter-Scale Nonlocal Photo-Sensing Based on Single-Crystal Perovskite Photodetector. <i>IScience</i> , 2018, 7, 110-119.	1.9	14
3501	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr ₃ perovskite solar cells. <i>Dalton Transactions</i> , 2018, 47, 15283-15287.	1.6	28
3502	Improved performance of CsPbBr ₃ perovskite light-emitting devices by both boundary and interface defects passivation. <i>Nanoscale</i> , 2018, 10, 18315-18322.	2.8	29
3503	Solvent-engineering toward CsPb(I _x Br ^{1-x}) ₃ films for high-performance inorganic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19810-19816.	5.2	47
3504	Influence of solvent additive on the chemical and electronic environment of wide bandgap perovskite thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12052-12061.	2.7	31
3505	Efficiency Enhancement of Perovskite Solar Cells with Plasmonic Nanoparticles: A Simulation Study. <i>Materials</i> , 2018, 11, 1626.	1.3	27
3506	A Cryogenic Process for Antisolvent-Free High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1804402.	11.1	47
3507	Investigation of Interface Effect on the Performance of CH ₃ NH ₃ PbCl ₃ /ZnO UV Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34744-34750.	4.0	40
3508	Chemical Dopant Engineering in Hole Transport Layers for Efficient Perovskite Solar Cells: Insight into the Interfacial Recombination. <i>ACS Nano</i> , 2018, 12, 10452-10462.	7.3	78
3509	Highly Efficient Infrared Light-Converting Perovskite Solar Cells: Direct Electron Injection from NaYF ₄ :Yb ³⁺ , Er ³⁺ to the TiO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14004-14009.	3.2	12

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3511	Can we use <i>time-resolved</i> measurements to get <i>steady-state</i> transport data for halide perovskites?. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	39
3512	Screen printed carbon CsPbBr ₃ solar cells with high open-circuit photovoltage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18677-18686.	5.2	46
3513	Two-dimensional optical excitations in the mixed-valence Cs ₂ Au ₂ I ₆ fully inorganic double perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10197-10201.	2.7	32
3516	All-inorganic CsPbBr ₃ Nanowire Based Plasmonic Lasers. <i>Advanced Optical Materials</i> , 2018, 6, 1800674.	3.6	107
3517	Flexible Linearly Polarized Photodetectors Based on All-inorganic Perovskite CsPbI ₃ Nanowires. <i>Advanced Optical Materials</i> , 2018, 6, 1800679.	3.6	85
3519	Precursor effects on methylamine gas-induced CH ₃ NH ₃ PbI ₃ films for stable carbon-based perovskite solar cells. <i>Solar Energy</i> , 2018, 174, 139-148.	2.9	16
3520	Excitation Wavelength Dependent Interfacial Charge Transfer Dynamics in a CH ₃ NH ₃ PbI ₃ /NH ₃ PbI ₃ Perovskite Film. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 633-642.	0.1	10
3521	Efficiency Exceeding 20% in Perovskite Solar Cells with Side-Chain Liquid Crystalline Polymer-“Doped Perovskite Absorbers. <i>Advanced Energy Materials</i> , 2018, 8, 1801637.	10.2	48
3522	Effects of mixed solvent on morphology of CH ₃ NH ₃ PbI ₃ absorption layers and photovoltaic performance of perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18868-18877.	1.1	2
3523	Enhanced performance and stability of inverted planar perovskite solar cells by incorporating 1,6-diaminohexane dihydrochloride additive. <i>Solar Energy Materials and Solar Cells</i> , 2018, 188, 140-148.	3.0	23
3524	Crystalline-Size Dependence of Dual Emission Peak on Hybrid Organic Lead-Iodide Perovskite Films at Low Temperatures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22717-22727.	1.5	7
3525	Perovskite Solar Cells: The Challenging Issues for Stable Power Conversion Efficiency. , 2018, , .		3
3526	Real-Time In Situ Observation of Microstructural Change in Organometal Halide Perovskite Induced by Thermal Degradation. <i>Advanced Functional Materials</i> , 2018, 28, 1804039.	7.8	45
3527	Highly Efficient and Stable Self-Powered Ultraviolet and Deep-Blue Photodetector Based on Cs ₂ AgBiBr ₆ /SnO ₂ Heterojunction. <i>Advanced Optical Materials</i> , 2018, 6, 1800811.	3.6	130
3528	Variations in the Composition of the Phases Lead to the Differences in the Optoelectronic Properties of MAPbBr ₃ Thin Films and Crystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21817-21823.	1.5	15
3529	Interface Engineering in n-i-p Metal Halide Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800177.	3.1	53
3530	Effects of the concentration of PbI ₂ and CH ₃ NH ₃ I on the perovskite films and the performance of perovskite solar cells based on ZnO-TiO ₂ nanorod arrays. <i>Superlattices and Microstructures</i> , 2018, 123, 189-200.	1.4	12

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3532	Metal halide perovskites: stability and sensing-ability. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10121-10137.	2.7	131
3533	UV Treatment of Low-Temperature Processed SnO ₂ Electron Transport Layers for Planar Perovskite Solar Cells. <i>Nanoscale Research Letters</i> , 2018, 13, 216.	3.1	17
3534	Improved Charge Carrier Dynamics of CH ₃ NH ₃ PbI ₃ Perovskite Films Synthesized by Means of Laser-Assisted Crystallization. <i>ACS Applied Energy Materials</i> , 2018, 1, 5101-5111.	2.5	31
3535	Two-Dimensional Ruddlesden-Popper Perovskite with Nanorod-like Morphology for Solar Cells with Efficiency Exceeding 15%. <i>Journal of the American Chemical Society</i> , 2018, 140, 11639-11646.	6.6	397
3536	Perovskite/Organic Bulk-Heterojunction Integrated Ultrasensitive Broadband Photodetectors with High Near-Infrared External Quantum Efficiency over 70%. <i>Small</i> , 2018, 14, e1802349.	5.2	52
3537	Improving the Power Conversion Efficiency and Stability of Planar Perovskite Solar Cells via Small Molecule Doping. <i>Journal of Electronic Materials</i> , 2018, 47, 6894-6900.	1.0	8
3538	A facile route to grain morphology controllable perovskite thin films towards highly efficient perovskite solar cells. <i>Nano Energy</i> , 2018, 53, 405-414.	8.2	60
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3542	Study of transport and recombination mechanism in hole transporter free perovskite solar cell. <i>Materials Research Express</i> , 2018, 5, 105508.	0.8	2
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3546	Structural and Electronic Properties of Inorganic Mixed Halide Perovskites. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800193.	1.2	19
3547	Diffusion Enhancement in Highly Excited MAPbI ₃ Perovskite Layers with Additives. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3167-3172.	2.1	46
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3550	Photovoltaics and Nanotechnology as Alternative Energy. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 211-241.	0.3	1
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3552	Seeded Space-Limited Crystallization of CH ₃ NH ₃ PbI ₃ Single-Crystal Plates for Perovskite Solar Cells. <i>Advanced Electronic Materials</i> , 2018, 4, 1700655.	2.6	43
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3554	Acetate Anion Assisted Crystal Orientation Reconstruction in Organic-Inorganic Lead Halide Perovskite. <i>ACS Applied Energy Materials</i> , 2018, 1, 2730-2739.	2.5	23
3555	Copolymers of poly(3-thiopheneacetic acid) with poly(3-hexylthiophene) as hole-transporting material for interfacially engineered perovskite solar cell by modulating band positions for higher efficiency. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15890-15900.	1.3	14
3556	Caesium for Perovskite Solar Cells: An Overview. <i>Chemistry - A European Journal</i> , 2018, 24, 12183-12205.	1.7	138
3557	Lead-free, air-stable ultrathin Cs ₃ Bi ₂ I ₉ perovskite nanosheets for solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 184, 15-21.	3.0	179
3558	Thermal-evaporated selenium as a hole-transporting material for planar perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 130-135.	3.0	22
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3560	Plasmonic enhancement for high efficient and stable perovskite solar cells by employing "hot spots" Au nanobipyramids. <i>Organic Electronics</i> , 2018, 60, 1-8.	1.4	32
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3563	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. <i>ACS Nano</i> , 2018, 12, 5826-5833.	7.3	56
3564	Fundamental Carrier Lifetime Exceeding 1 Ås in Cs ₂ AgBiBr ₆ Double Perovskite. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800464.	1.9	173
3565	A CsPbBr ₃ /TiO ₂ Composite for Visible-Light-Driven Photocatalytic Benzyl Alcohol Oxidation. <i>ChemSusChem</i> , 2018, 11, 2057-2061.	3.6	130
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3590	Improved Stability of Interfacial Energy-Level Alignment in Inverted Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18964-18973.	4.0	22
3591	Unraveling luminescence mechanisms in zero-dimensional halide perovskites. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6398-6405.	2.7	168
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3597	Fullerene derivative as an additive for highly efficient printable mesoscopic perovskite solar cells. <i>Organic Electronics</i> , 2018, 62, 653-659.	1.4	10
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4334	Low-temperature processing of optimally polymer-wrapped $\text{CH}_3\text{-CsPbI}_3$ for self-powered flexible photo-detector application. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6986-6996.	2.7	38
4335	Lead Halide Ultraviolet-Harvesting Transparent Photovoltaics with an Efficiency Exceeding 1%. <i>ACS Applied Energy Materials</i> , 2019, 2, 3972-3978.	2.5	21
4336	Nuclei position-control and crystal growth-guidance on frozen substrates for high-performance perovskite solar cells. <i>Nanoscale</i> , 2019, 11, 12108-12115.	2.8	10
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4362	Designing a Perylene Diimide/Fullerene Hybrid as Effective Electron Transporting Material in Inverted Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8520-8525.	7.2	73
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4465	Bifacial Contact Junction Engineering for High-Performance Perovskite Solar Cells with Efficiency Exceeding 21%. <i>Small</i> , 2019, 15, 1900606.	5.2	15
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4477	From Large to Small Polarons in Lead, Tin, and Mixed Lead-Tin Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1790-1798.	2.1	72
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4480	Density of bulk trap states of hybrid lead halide perovskite single crystals: temperature modulated space-charge-limited-currents. <i>Scientific Reports</i> , 2019, 9, 3332.	1.6	51
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4483	Methylammonium iodo bismuthate perovskite (CH ₃ NH ₃) ₃ Bi ₂ I ₉ as new effective visible light-responsive photocatalyst for degradation of environment pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 376, 116-126.	2.0	41
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4632	Optimization of TiO ₂ compact layer formed by atomic layer deposition for efficient perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, 203902.	1.5	14
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4643	Two-dimensional black phosphorous induced exciton dissociation efficiency enhancement for high-performance all-inorganic CsPb ₃ perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22539-22549.	5.2	35
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4646	Br-containing alkyl ammonium salt-enabled scalable fabrication of high-quality perovskite films for efficient and stable perovskite modules. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26849-26857.	5.2	40
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4665	Laser induced ion migration in all-inorganic mixed halide perovskite micro-platelets. <i>Nanoscale Advances</i> , 2019, 1, 4459-4465.	2.2	25
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5198	Pathway toward market entry of perovskite solar cells: A detailed study on the research trends and collaboration networks through bibliometrics. <i>Energy Reports</i> , 2020, 6, 2075-2085.	2.5	14
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5200	Large-grain and smooth cesium doped CH ₃ NH ₃ PbI ₃ perovskite films by cesium iodide post-treatment for improved solar cells. <i>Thin Solid Films</i> , 2020, 712, 138279.	0.8	12
5201	Toward Greener Solution Processing of Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13126-13138.	3.2	41
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5203	Morphology Tuning and Its Role in Optimization of Perovskite Films Fabricated from A Novel Nonhalide Lead Source. <i>Advanced Science</i> , 2020, 7, 2002296.	5.6	14
5204	Terahertz Conductivity Analysis for Highly Doped Thin-Film Semiconductors. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 1431-1449.	1.2	33
5205	The compositional engineering of organic-inorganic hybrid perovskites for high-performance perovskite solar cells. <i>Emergent Materials</i> , 2020, 3, 727-750.	3.2	10
5206	9.05% HTM free perovskite solar cell with negligible hysteresis by introducing silver nanoparticles encapsulated with P4VP polymer. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	8
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5209	Perovskite-Derivative Valleytronics. <i>Advanced Materials</i> , 2020, 32, e2004111.	11.1	19
5210	CNTs/Cf based counter electrode for highly efficient hole-transport-material-free perovskite solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112843.	2.0	15
5211	Manipulating Photon Propagation via a Perovskite Microwire Array. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24315-24321.	1.5	4
5212	Emerging piezochromism in lead free alkaline earth chalcogenide perovskite AZrS ₃ (A = Tl, ET, Q, 1, 0, 7, 8, 4, 3, 1, 4, rg, BT, /Ove, l, d, a, t, a, s, e, s, 2, 4)	2.7	24
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5214	Thiophene-Fused Butterfly-Shaped Polycyclic Arenes with a Diphenanthro[9,10-b <i>c</i>]phenanthrene Core for Highly Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50495-50504.	4.0	11

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5225	An Efficient Trap Passivator for Perovskite Solar Cells: Poly(propylene glycol) bis(2-aminopropyl) Tj ETQqO O rgBT /Overlock 10 Tf 50 34	14.4	35
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5227	Photoinduced Vibrations Drive Ultrafast Structural Distortion in Lead Halide Perovskite. <i>Journal of the American Chemical Society</i> , 2020, 142, 16569-16578.	6.6	30
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5230	High-Efficiency Solution-Processed Two-Terminal Hybrid Tandem Solar Cells Using Spectrally Matched Inorganic and Organic Photoactive Materials. <i>Advanced Energy Materials</i> , 2020, 10, 2001188.	10.2	37
5231	A Multilayered Electron Extracting System for Efficient Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2004273.	7.8	17
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5254	Antisolvents in Perovskite Solar Cells: Importance, Issues, and Alternatives. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000950.	1.9	94
5255	Machine Learning Lattice Constants for Cubic Perovskite Compounds. <i>ChemistrySelect</i> , 2020, 5, 9999-10009.	0.7	39
5256	Intense Dark Exciton Emission from Strongly Quantum-Confined CsPbBr ₃ Nanocrystals. <i>Nano Letters</i> , 2020, 20, 7321-7326.	4.5	53
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5314	Perovskite quantum dot solar cells: Mapping interfacial energetics for improving charge separation. <i>Nano Energy</i> , 2020, 78, 105319.	8.2	31
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5325	Sensitive and Stable Tin-Lead Hybrid Perovskite Photodetectors Enabled by Double-Sided Surface Passivation for Infrared Upconversion Detection. <i>Small</i> , 2020, 16, e2001534.	5.2	76
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5331	A favored crystal orientation for efficient printable mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11148-11154.	5.2	42
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5339	Photoluminescence-Based Characterization of Halide Perovskites for Photovoltaics. <i>Advanced Energy Materials</i> , 2020, 10, 1904134.	10.2	299
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7950	Recent advances of two-dimensional material additives in hybrid perovskite solar cells. <i>Nanotechnology</i> , 2023, 34, 172001.	1.3	5
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7952	Porous and Water Stable 2D Hybrid Metal Halide with Broad Light Emission and Selective H_2O Vapor Sorption. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
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