

# Michael Saliba

## List of Publications by Citations

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136  
papers

28,064  
citations

63  
h-index

153  
g-index

153  
ext. papers

31,989  
ext. citations

17  
avg, IF

7.44  
L-index

#	Paper	IF	Citations
136	Cesium-containing triple cation perovskite solar cells: improved stability, reproducibility and high efficiency. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1989-1997	35.4	374 <sup>0</sup>
135	Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance. <i>Science</i> , <b>2016</b> , 354, 206-209	33.3	2628
134	A mixed-cation lead mixed-halide perovskite absorber for tandem solar cells. <i>Science</i> , <b>2016</b> , 351, 151-5	33.3	2024
133	Promises and challenges of perovskite solar cells. <i>Science</i> , <b>2017</b> , 358, 739-744	33.3	1016
132	Highly efficient planar perovskite solar cells through band alignment engineering. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2928-2934	35.4	949
131	Low-temperature processed electron collection layers of graphene/TiO <sub>2</sub> nanocomposites in thin film perovskite solar cells. <i>Nano Letters</i> , <b>2014</b> , 14, 724-30	11.5	917
130	The rapid evolution of highly efficient perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 710-727	35.4	811
129	Not All That Glitters Is Gold: Metal-Migration-Induced Degradation in Perovskite Solar Cells. <i>ACS Nano</i> , <b>2016</b> , 10, 6306-14	16.7	759
128	Ultrasmooth organic-inorganic perovskite thin-film formation and crystallization for efficient planar heterojunction solar cells. <i>Nature Communications</i> , <b>2015</b> , 6, 6142	17.4	695
127	A molecularly engineered hole-transporting material for efficient perovskite solar cells. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	693
126	Enhanced electronic properties in mesoporous TiO <sub>2</sub> via lithium doping for high-efficiency perovskite solar cells. <i>Nature Communications</i> , <b>2016</b> , 7, 10379	17.4	626
125	Highly efficient and stable planar perovskite solar cells by solution-processed tin oxide. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3128-3134	35.4	603
124	Methylammonium-free, high-performance, and stable perovskite solar cells on a planar architecture. <i>Science</i> , <b>2018</b> , 362, 449-453	33.3	573
123	Supramolecular halogen bond passivation of organic-inorganic halide perovskite solar cells. <i>Nano Letters</i> , <b>2014</b> , 14, 3247-54	11.5	527
122	Sub-150 °C processed meso-structured perovskite solar cells with enhanced efficiency. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1142-1147	35.4	511
121	Ionic polarization-induced current-voltage hysteresis in CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> perovskite solar cells. <i>Nature Communications</i> , <b>2016</b> , 7, 10334	17.4	500
120	Exploration of the compositional space for mixed lead halogen perovskites for high efficiency solar cells. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1706-1724	35.4	498

119	Transition from isolated to collective modes in plasmonic oligomers. <i>Nano Letters</i> , <b>2010</b> , 10, 2721-6	11.5	483
118	Monolithic perovskite/silicon-heterojunction tandem solar cells processed at low temperature. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 81-88	35.4	469
117	Enhancement of perovskite-based solar cells employing core-shell metal nanoparticles. <i>Nano Letters</i> , <b>2013</b> , 13, 4505-10	11.5	447
116	Migration of cations induces reversible performance losses over day/night cycling in perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 604-613	35.4	387
115	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , <b>2020</b> , 5, 35-49	62.3	369
114	The impact of energy alignment and interfacial recombination on the internal and external open-circuit voltage of perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 2778-2788	35.4	348
113	How to Make over 20% Efficient Perovskite Solar Cells in Regular (n-i-p) and Inverted (p-i-n) Architectures. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4193-4201	9.6	339
112	Charge selective contacts, mobile ions and anomalous hysteresis in organic-inorganic perovskite solar cells. <i>Materials Horizons</i> , <b>2015</b> , 2, 315-322	14.4	338
111	Perovskite Solar Cells: From the Atomic Level to Film Quality and Device Performance. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2554-2569	16.4	324
110	Identifying and suppressing interfacial recombination to achieve high open-circuit voltage in perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1207-1212	35.4	242
109	Thermally induced structural evolution and performance of mesoporous block copolymer-directed alumina perovskite solar cells. <i>ACS Nano</i> , <b>2014</b> , 8, 4730-9	16.7	241
108	Enhancing Efficiency of Perovskite Solar Cells via N-doped Graphene: Crystal Modification and Surface Passivation. <i>Advanced Materials</i> , <b>2016</b> , 28, 8681-8686	24	228
107	Influence of Thermal Processing Protocol upon the Crystallization and Photovoltaic Performance of Organic-Inorganic Lead Trihalide Perovskites. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17171-17177	3.8	214
106	Structured Organic-Inorganic Perovskite toward a Distributed Feedback Laser. <i>Advanced Materials</i> , <b>2016</b> , 28, 923-9	24	209
105	Unbroken Perovskite: Interplay of Morphology, Electro-optical Properties, and Ionic Movement. <i>Advanced Materials</i> , <b>2016</b> , 28, 5031-7	24	208
104	Enhanced charge carrier mobility and lifetime suppress hysteresis and improve efficiency in planar perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 78-86	35.4	202
103	Inverted Current-Voltage Hysteresis in Mixed Perovskite Solar Cells: Polarization, Energy Barriers, and Defect Recombination. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600396	21.8	174
102	High Temperature-Stable Perovskite Solar Cell Based on Low-Cost Carbon Nanotube Hole Contact. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606398	24	173

101	Plasmonic-Induced Photon Recycling in Metal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5038-5046	15.6	167
100	Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600767	21.8	165
99	Synergistic Crystal and Interface Engineering for Efficient and Stable Perovskite Photovoltaics. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802646	21.8	150
98	Silolothiophene-linked triphenylamines as stable hole transporting materials for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2946-2953	35.4	145
97	Chemical Distribution of Multiple Cation (Rb+, Cs+, MA+, and FA+) Perovskite Materials by Photoelectron Spectroscopy. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3589-3596	9.6	141
96	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylidene-Based Hole-Transporting Material. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7464-8	16.4	141
95	Branched methoxydiphenylamine-substituted fluorene derivatives as hole transporting materials for high-performance perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1681-1686	35.4	125
94	Working Principles of Perovskite Photodetectors: Analyzing the Interplay Between Photoconductivity and Voltage-Driven Energy-Level Alignment. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6936-6947	15.6	114
93	Perovskite solar cells must come of age. <i>Science</i> , <b>2018</b> , 359, 388-389	33.3	111
92	Room-Temperature Formation of Highly Crystalline Multication Perovskites for Efficient, Low-Cost Solar Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606258	24	106
91	Perovskite Solar Cells: From the Laboratory to the Assembly Line. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3083-3100	4.8	100
90	Enhanced Amplified Spontaneous Emission in Perovskites Using a Flexible Cholesteric Liquid Crystal Reflector. <i>Nano Letters</i> , <b>2015</b> , 15, 4935-41	11.5	97
89	Stabilization of the Perovskite Phase of Formamidinium Lead Triiodide by Methylammonium, Cs, and/or Rb Doping. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 1191-1196	6.4	96
88	Templated microstructural growth of perovskite thin films via colloidal monolayer lithography. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2041-2047	35.4	94
87	Highly Efficient and Stable Perovskite Solar Cells based on a Low-Cost Carbon Cloth. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601116	21.8	91
86	Optical analysis of CHNHSn Pb I absorbers: a roadmap for perovskite-on-perovskite tandem solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11214-11221	13	87
85	Effect of Cation Composition on the Mechanical Stability of Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702116	21.8	84
84	Measuring Aging Stability of Perovskite Solar Cells. <i>Joule</i> , <b>2018</b> , 2, 1019-1024	27.8	83

83	A full overview of international standards assessing the long-term stability of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21794-21808	13	82
82	Understanding the effect of chlorobenzene and isopropanol anti-solvent treatments on the recombination and interfacial charge accumulation in efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14307-14314	13	81
81	Greener, Nonhalogenated Solvent Systems for Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800177	21.8	80
80	Efficient and Stable Inorganic Perovskite Solar Cells Manufactured by Pulsed Flash Infrared Annealing. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802060	21.8	78
79	One-step mechanochemical incorporation of an insoluble cesium additive for high performance planar heterojunction solar cells. <i>Nano Energy</i> , <b>2018</b> , 49, 523-528	17.1	70
78	Bright and fast scintillation of organolead perovskite MAPbBr <sub>3</sub> at low temperatures. <i>Materials Horizons</i> , <b>2019</b> , 6, 1740-1747	14.4	68
77	Globularity-Selected Large Molecules for a New Generation of Multication Perovskites. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702005	24	67
76	Mechanosynthesis of pure phase mixed-cation MAxFA <sub>1-x</sub> PbI <sub>3</sub> hybrid perovskites: photovoltaic performance and electrochemical properties. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 689-693	5.8	66
75	Towards optical optimization of planar monolithic perovskite/silicon-heterojunction tandem solar cells. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 064012	1.7	66
74	Defect Passivation in Lead-Halide Perovskite Nanocrystals and Thin Films: Toward Efficient LEDs and Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21636-21660	16.4	63
73	Tin Halide Perovskite Films Made of Highly Oriented 2D Crystals Enable More Efficient and Stable Lead-free Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1923-1929	20.1	61
72	Photodoping through local charge carrier accumulation in alloyed hybrid perovskites for highly efficient luminescence. <i>Nature Photonics</i> , <b>2020</b> , 14, 123-128	33.9	60
71	Carbon Nanoparticles in High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702719	21.8	59
70	Current Density Mismatch in Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2886-2888	20.1	59
69	Highly efficient and stable inverted perovskite solar cells using down-shifting quantum dots as a light management layer and moisture-assisted film growth. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14753-14760	13	58
68	Polyelemental, Multicomponent Perovskite Semiconductor Libraries through Combinatorial Screening. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803754	21.8	58
67	Cation influence on carrier dynamics in perovskite solar cells. <i>Nano Energy</i> , <b>2019</b> , 58, 604-611	17.1	56
66	Additive-Free Transparent Triarylamine-Based Polymeric Hole-Transport Materials for Stable Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 2567-2571	8.3	56

65	Reduction in the Interfacial Trap Density of Mechanochemically Synthesized MAPbI <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28418-28425	9.5	55
64	Crystal Orientation and Grain Size: Do They Determine Optoelectronic Properties of MAPbI <sub>3</sub> Perovskite?. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6010-6018	6.4	52
63	Spontaneous crystal coalescence enables highly efficient perovskite solar cells. <i>Nano Energy</i> , <b>2017</b> , 39, 24-29	17.1	51
62	Elucidation of Charge Recombination and Accumulation Mechanism in Mixed Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 15149-15154	3.8	49
61	Recent Advances in Plasmonic Perovskite Solar Cells. <i>Advanced Science</i> , <b>2020</b> , 7, 1902448	13.6	45
60	Flash infrared annealing as a cost-effective and low environmental impact processing method for planar perovskite solar cells. <i>Materials Today</i> , <b>2019</b> , 31, 39-46	21.8	44
59	From Exceptional Properties to Stability Challenges of Perovskite Solar Cells. <i>Small</i> , <b>2018</b> , 14, e1802385	11	44
58	Poly(ethylene glycol)-[60]Fullerene-Based Materials for Perovskite Solar Cells with Improved Moisture Resistance and Reduced Hysteresis. <i>ChemSusChem</i> , <b>2018</b> , 11, 1032-1039	8.3	43
57	A chain is as strong as its weakest link   Stability study of MAPbI <sub>3</sub> under light and temperature. <i>Materials Today</i> , <b>2019</b> , 29, 10-19	21.8	43
56	Perovskite Solar Cell Modeling Using Light- and Voltage-Modulated Techniques. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 6444-6449	3.8	37
55	Ionic Liquid Stabilizing High-Efficiency Tin Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101539	21.8	37
54	Dopant-Free Hole-Transporting Polymers for Efficient and Stable Perovskite Solar Cells. <i>Macromolecules</i> , <b>2019</b> , 52, 2243-2254	5.5	33
53	Emerging perovskite monolayers. <i>Nature Materials</i> , <b>2021</b> , 20, 1325-1336	27	31
52	Embedded Nickel-Mesh Transparent Electrodes for Highly Efficient and Mechanically Stable Flexible Perovskite Photovoltaics: Toward a Portable Mobile Energy Source. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003422	24	30
51	Perovskit-Solarzellen: atomare Ebene, Schichtqualität und Leistungsfähigkeit der Zellen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2582-2598	3.6	28
50	Roadmap on organic/inorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , <b>2021</b> , 9, 109202	5.7	28
49	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylidene-Based Hole-Transporting Material. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 7590-7594	3.6	28
48	PbZrTiO <sub>3</sub> ferroelectric oxide as an electron extraction material for stable halide perovskite solar cells. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 382-389	5.8	26

47	Photoelectrochemical Water-Splitting Using CuO-Based Electrodes for Hydrogen Production: A Review. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007285	24	26
46	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. <i>Nature Energy</i> , <b>2022</b> , 7, 107-115	62.3	26
45	Oxygen Plasma-Induced p-Type Doping Improves Performance and Stability of PbS Quantum Dot Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26047-26052	9.5	25
44	Monolithic CIGS/Perovskite Tandem Cell for Optimal Light Harvesting without Current Matching. <i>ACS Photonics</i> , <b>2017</b> , 4, 861-867	6.3	23
43	Surface modification of a hole transporting layer for an efficient perovskite solar cell with an enhanced fill factor and stability. <i>Molecular Systems Design and Engineering</i> , <b>2018</b> , 3, 717-722	4.6	23
42	Perovskites for Laser and Detector Applications. <i>Energy and Environmental Materials</i> , <b>2019</b> , 2, 146-153	13	23
41	Temperature dependent two-photon photoluminescence of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> : structural phase and exciton to free carrier transition. <i>Optical Materials Express</i> , <b>2018</b> , 8, 511	2.6	22
40	Highly efficient and rapid manufactured perovskite solar cells via Flash InfraRed Annealing. <i>Materials Today</i> , <b>2020</b> , 35, 9-15	21.8	22
39	Defect Passivation in Lead-Halide Perovskite Nanocrystals and Thin Films: Toward Efficient LEDs and Solar Cells. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21804-21828	3.6	22
38	Nondestructive Probing of Perovskite Silicon Tandem Solar Cells Using Multiwavelength Photoluminescence Mapping. <i>IEEE Journal of Photovoltaics</i> , <b>2017</b> , 7, 1081-1086	3.7	21
37	Femtosecond Charge-Injection Dynamics at Hybrid Perovskite Interfaces. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2381-2389	21	21
36	Negative Capacitance and Inverted Hysteresis: Matching Features in Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8417-8423	6.4	21
35	Physical Passivation of Grain Boundaries and Defects in Perovskite Solar Cells by an Isolating Thin Polymer. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2626-2634	20.1	21
34	Interfacial Kinetics of Efficient Perovskite Solar Cells. <i>Crystals</i> , <b>2017</b> , 7, 252	2.3	20
33	Methoxydiphenylamine-substituted fluorene derivatives as hole transporting materials: role of molecular interaction on device photovoltaic performance. <i>Scientific Reports</i> , <b>2017</b> , 7, 150	4.9	19
32	Solution-processed perovskite thin-films: the journey from lab- to large-scale solar cells. <i>Energy and Environmental Science</i> ,	35.4	18
31	Effect of Rubidium for Thermal Stability of Triple-cation Perovskite Solar Cells. <i>Chemistry Letters</i> , <b>2018</b> , 47, 814-816	1.7	17
30	The Bloom of Perovskite Optoelectronics: Fundamental Science Matters. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 861-865	20.1	16



29	Defect Passivation of Perovskite Films for Highly Efficient and Stable Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100295	7.5	16
28	Plasmonic activity of large-area gold nanodot arrays on arbitrary substrates. <i>Nano Letters</i> , <b>2010</b> , 10, 47-51	1.5	15
27	Planar Perovskite Solar Cells with High Open-Circuit Voltage Containing a Supramolecular Iron Complex as Hole Transport Material Dopant. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1363-1370	3.2	13
26	Blue and red wavelength resolved impedance response of efficient perovskite solar cells. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2407-2411	5.8	13
25	Perovskite solar cell Electrochemical double layer capacitor interplay. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 825-833	6.7	13
24	Ultrathin polymeric films for interfacial passivation in wide band-gap perovskite solar cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 22260	4.9	13
23	Impedance Spectroscopy for Metal Halide Perovskite Single Crystals: Recent Advances, Challenges, and Solutions. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 3275-3286	20.1	13
22	Tunable green lasing from circular grating distributed feedback based on CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2006	2.6	12
21	Molecular engineering of enamine-based small organic compounds as hole-transporting materials for perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2717-2724	7.1	11
20	Multilayer evaporation of MAFA <sub>1-x</sub> PbI <sub>3-x</sub> Cl <sub>x</sub> for the fabrication of efficient and large-scale device perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 034005	3	11
19	Encapsulation Strategies for Highly Stable Perovskite Solar Cells under Severe Stress Testing: Damp Heat, Freezing, and Outdoor Illumination Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 45455-45464	9.5	9
18	Flash Infrared Pulse Time Control of Perovskite Crystal Nucleation and Growth from Solution. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 670-679	3.5	7
17	A partially-planarised hole-transporting quart-p-phenylene for perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4332-4335	7.1	5
16	In the Quest of Low-Frequency Impedance Spectra of Efficient Perovskite Solar Cells. <i>Energy Technology</i> , <b>2021</b> , 9, 2100229	3.5	5
15	Shaping Perovskites: Crystallization Mechanism of Rapid Thermally Annealed, Prepatterned Perovskite Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6854-6863	9.5	5
14	Energy Selects. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1455-1457	20.1	4
13	Charge carrier management for developing high-efficiency perovskite solar cells. <i>Matter</i> , <b>2021</b> , 4, 1758-1759	17.5	4
12	Additives, Hole Transporting Materials and Spectroscopic Methods to Characterize the Properties of Perovskite Films. <i>Chimia</i> , <b>2017</b> , 71, 754-761	1.3	3



11	In Situ Methylammonium Chloride-Assisted Perovskite Crystallization Strategy for High-Performance Solar Cells 448-456		3
10	Energy Spotlight: New Inroads in Metal Halide Perovskite Research. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 3036-3038.	3.1	3
9	Optimization of SnO <sub>2</sub> electron transport layer for efficient planar perovskite solar cells with very low hysteresis. <i>Materials Advances</i> ,	3.3	2
8	Bandgap tuning and compositional exchange for lead halide perovskite materials <b>2020</b> , 1-22		2
7	Zooming In on Metal Halide Perovskites: New Energy Frontiers Emerge. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2750-2754.	2.2	2
6	Top-Down Approach to Study Chemical and Electronic Properties of Perovskite Solar Cells: Sputtered Depth Profiling Versus Tapered Cross-Sectional Photoelectron Spectroscopies. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100298	7.1	2
5	One-Step Solvent-Free Mechanochemical Incorporation of Insoluble Cesium Salt into Perovskites for Wide Band-Gap Solar Cells. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3971-3979	9.6	1
4	Mechanism of ultrafast energy transfer between the organic-inorganic layers in multiple-ring aromatic spacers for 2D perovskites. <i>Nanoscale</i> , <b>2021</b> , 13, 15668-15676	7.7	1
3	High-Efficiency Solar Cells with Polyelemental, Multicomponent Perovskite Materials <b>2022</b> , 233-246		0
2	Experience is more than the sum of its parts. <i>Nature Energy</i> , <b>2021</b> , 6, 2-2	6.3	
1	Perovskite Photovoltaics. <i>Springer Handbooks</i> , <b>2022</b> , 1267-1303		1.3