

# Yuanyuan Zhou

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6398032/yuanyuan-zhou-publications-by-citations.pdf>

**Version:** 2024-04-20

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.

115  
papers

7,530  
citations

48  
h-index

85  
g-index

127  
ext. papers

8,948  
ext. citations

12.7  
avg, IF

6.63  
L-index

#	Paper	IF	Citations
115	Direct Observation of Ferroelectric Domains in Solution-Processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Thin Films. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3335-9	6.4	367
114	Room-temperature crystallization of hybrid-perovskite thin films via solvent extraction for high-performance solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8178-8184	13	336
113	Chemical stability and instability of inorganic halide perovskites. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1495-1511	35.4	335
112	Methylamine-Gas-Induced Defect-Healing Behavior of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Thin Films for Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9705-9	16.4	326
111	Synthetic Approaches for Halide Perovskite Thin Films. <i>Chemical Reviews</i> , <b>2019</b> , 119, 3193-3295	68.1	293
110	Microstructures of Organometal Trihalide Perovskites for Solar Cells: Their Evolution from Solutions and Characterization. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4827-39	6.4	283
109	Highly stable and efficient all-inorganic lead-free perovskite solar cells with native-oxide passivation. <i>Nature Communications</i> , <b>2019</b> , 10, 16	17.4	283
108	Square-Centimeter Solution-Processed Planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells with Efficiency Exceeding 15. <i>Advanced Materials</i> , <b>2015</b> , 27, 6363-70	24	272
107	Cesium Titanium(IV) Bromide Thin Films Based Stable Lead-free Perovskite Solar Cells. <i>Joule</i> , <b>2018</b> , 2, 558-570	27.8	260
106	Earth-Abundant Nontoxic Titanium(IV)-based Vacancy-Ordered Double Perovskite Halides with Tunable 1.0 to 1.8 eV Bandgaps for Photovoltaic Applications. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 297-304	20.1	192
105	Carrier separation and transport in perovskite solar cells studied by nanometre-scale profiling of electrical potential. <i>Nature Communications</i> , <b>2015</b> , 6, 8397	17.4	172
104	Additive-Modulated Evolution of HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> Black Polymorph for Mesoscopic Perovskite Solar Cells. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7149-7155	9.6	164
103	Heterojunction-Depleted Lead-Free Perovskite Solar Cells with Coarse-Grained B-ECsSnI <sub>3</sub> Thin Films. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601130	21.8	162
102	Exceptional Morphology-Preserving Evolution of Formamidinium Lead Triiodide Perovskite Thin Films via Organic-Cation Displacement. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5535-8	16.4	153
101	Intrinsic defects in a photovoltaic perovskite variant Cs <sub>2</sub> SnI <sub>6</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 18900-3	3.6	148
100	Transformative Evolution of Organolead Triiodide Perovskite Thin Films from Strong Room-Temperature Solid-Gas Interaction between HPbI <sub>3</sub> -CH <sub>3</sub> NH <sub>2</sub> Precursor Pair. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 750-3	16.4	141
99	Doping and alloying for improved perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17623-17635	17.6	126

98	Toward Eco-friendly and Stable Perovskite Materials for Photovoltaics. <i>Joule</i> , <b>2018</b> , 2, 1231-1241	27.8	126
97	Long Minority-Carrier Diffusion Length and Low Surface-Recombination Velocity in Inorganic Lead-Free CsSnI <sub>3</sub> Perovskite Crystal for Solar Cells. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604818	15.6	124
96	Continuous Grain-Boundary Functionalization for High-Efficiency Perovskite Solar Cells with Exceptional Stability. <i>Chem</i> , <b>2018</b> , 4, 1404-1415	16.2	124
95	Growth control of compact CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> thin films via enhanced solid-state precursor reaction for efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9249-9256	13	118
94	One-step, solution-processed formamidinium lead trihalide (FAPbI(3-x)Cl(x)) for mesoscopic perovskite-polymer solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 19206-11	3.6	113
93	Vapour-based processing of hole-conductor-free CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite/C <sub>60</sub> fullerene planar solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 28964-28967	3.7	113
92	Mapping the Photoresponse of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Hybrid Perovskite Thin Films at the Nanoscale. <i>Nano Letters</i> , <b>2016</b> , 16, 3434-41	11.5	101
91	Perovskite Solar Cells Shine in the Valley of the Sun. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 64-67	20.1	90
90	Crystal Morphologies of Organolead Trihalide in Mesoscopic/Planar Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2292-7	6.4	85
89	Ligand-Hole in [SnI <sub>6</sub> ] Unit and Origin of Band Gap in Photovoltaic Perovskite Variant Cs <sub>2</sub> SnI <sub>6</sub> . <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 1250-1255	5.1	83
88	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated Two-Phase Transformation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3246-3250	9.6	79
87	Reproducible One-Step Fabrication of Compact MAPbI <sub>3</sub> /Cl <sub>x</sub> Thin Films Derived from Mixed-Lead-Halide Precursors. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 7145-7150	9.6	76
86	Bandgap Optimization of Perovskite Semiconductors for Photovoltaic Applications. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2305-2316	4.8	76
85	Interpenetrating interfaces for efficient perovskite solar cells with high operational stability and mechanical robustness. <i>Nature Communications</i> , <b>2021</b> , 12, 973	17.4	75
84	Thin-Film Transformation of NH <sub>4</sub> PbI <sub>3</sub> to CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite: A Methylamine-Induced Conversion-Healing Process. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14723-14727	16.4	74
83	Lead-Free DionJacobson Tin Halide Perovskites for Photovoltaics. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 276-277	20.1	73
82	Manipulating Crystallization of Organolead Mixed-Halide Thin Films in Antisolvent Baths for Wide-Bandgap Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2232-7	9.5	72
81	Improved SnO <sub>2</sub> Electron Transport Layers Solution-Deposited at Near Room Temperature for Rigid or Flexible Perovskite Solar Cells with High Efficiencies. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900834	21.8	67

- 80 Lewis-Adduct Mediated Grain-Boundary Functionalization for Efficient Ideal-Bandgap Perovskite Solar Cells with Superior Stability. *Advanced Energy Materials*, **2018**, 8, 1800997 21.8 63
- 79 Simultaneous Evolution of Uniaxially Oriented Grains and Ultralow-Density Grain-Boundary Network in CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskite Thin Films Mediated by Precursor Phase Metastability. *ACS Energy Letters*, **2017**, 2, 2727-2733 20.1 63
- 78 Transmission Electron Microscopy of Halide Perovskite Materials and Devices. *Joule*, **2019**, 3, 641-661 27.8 63
- 77 Thermo-mechanical behavior of organic-inorganic halide perovskites for solar cells. *Scripta Materialia*, **2018**, 150, 36-41 5.6 60
- 76 Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. *Advanced Energy Materials*, **2018**, 8, 1800232 21.8 59
- 75 Quantum-Dot-Induced Cesium-Rich Surface Imparts Enhanced Stability to Formamidinium Lead Iodide Perovskite Solar Cells. *ACS Energy Letters*, **2019**, 4, 1970-1975 20.1 58
- 74 Homogenous Alloys of Formamidinium Lead Triiodide and Cesium Tin Triiodide for Efficient Ideal-Bandgap Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2017**, 56, 12658-12662 16.4 56
- 73 Sub-1.4eV bandgap inorganic perovskite solar cells with long-term stability. *Nature Communications*, **2020**, 11, 151 17.4 55
- 72 Zero-Dimensional Organic-Inorganic Perovskite Variant: Transition between Molecular and Solid Crystal. *Journal of the American Chemical Society*, **2018**, 140, 10456-10463 16.4 54
- 71 Methylammonium-Mediated Evolution of Mixed-Organic-Cation Perovskite Thin Films: A Dynamic Composition-Tuning Process. *Angewandte Chemie - International Edition*, **2017**, 56, 7674-7678 16.4 53
- 70 Subgrain Special Boundaries in Halide Perovskite Thin Films Restrict Carrier Diffusion. *ACS Energy Letters*, **2018**, 3, 2669-2670 20.1 52
- 69 Ions Matter: Description of the Anomalous Electronic Behavior in Methylammonium Lead Halide Perovskite Devices. *Advanced Functional Materials*, **2017**, 27, 1606584 15.6 49
- 68 Tin Halide Perovskite Solar Cells: An Emerging Thin-Film Photovoltaic Technology. *Accounts of Materials Research*, **2021**, 2, 210-219 7.5 48
- 67 Carrier lifetime enhancement in halide perovskite via remote epitaxy. *Nature Communications*, **2019**, 10, 4145 17.4 45
- 66 Gas-Induced Formation/Transformation of Organic-Inorganic Halide Perovskites. *ACS Energy Letters*, **2017**, 2, 2166-2176 20.1 45
- 65 Hybrid Perovskite Quantum Nanostructures Synthesized by Electrospray Antisolvent-Solvent Extraction and Intercalation. *ACS Applied Materials & Interfaces*, **2016**, 8, 854-61 9.5 44
- 64 Room temperature one-pot solution synthesis of nanoscale CsSnI<sub>3</sub> orthorhombic perovskite thin films and particles. *Materials Letters*, **2013**, 110, 127-129 3.3 44
- 63 A novel mesoporous carbon-silica-titania nanocomposite as a high performance anode material in lithium ion batteries. *Chemical Communications*, **2011**, 47, 4944-6 5.8 37

62	Enhancing Chemical Stability and Suppressing Ion Migration in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells via Direct Backbone Attachment of Polyesters on Grain Boundaries. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5104-5117	9.6	37
61	Observation of phase-retention behavior of the HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> black perovskite polymorph upon mesoporous TiO <sub>2</sub> scaffolds. <i>Chemical Communications</i> , <b>2016</b> , 52, 7273-5	5.8	37
60	Fusing Nanowires into Thin Films: Fabrication of Graded-Heterojunction Perovskite Solar Cells with Enhanced Performance. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900243	21.8	36
59	Enhanced charge storage by optimization of pore structure in nanocomposite between ordered mesoporous carbon and nanosized WO <sub>3</sub> . <i>Journal of Power Sources</i> , <b>2013</b> , 244, 777-782	8.9	35
58	Methylamine-Gas-Induced Defect-Healing Behavior of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Thin Films for Perovskite Solar Cells. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9841-9845	3.6	35
57	Intercalation crystallization of phase-pure HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> upon microstructurally engineered PbI <sub>2</sub> thin films for planar perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 6265-70	7.7	33
56	Building bridges between halide perovskite nanocrystals and thin-film solar cells. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2381-2397	5.8	31
55	Exceptional Grain Growth in Formamidinium Lead Iodide Perovskite Thin Films Induced by the $\alpha$ - $\beta$ Phase Transformation. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 63-64	20.1	29
54	Anomalous 3D nanoscale photoconduction in hybrid perovskite semiconductors revealed by tomographic atomic force microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 3308	17.4	27
53	Facile healing of cracks in organic-inorganic halide perovskite thin films. <i>Acta Materialia</i> , <b>2020</b> , 187, 112-121	12.1	27
52	Development of novel mesoporous TiO <sub>2</sub> /SnO <sub>2</sub> nanocomposites and their application to anode materials in lithium ion secondary batteries. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 151, 172-179	5.3	26
51	Enhanced Thermoelectric Performance in Lead-Free Inorganic CsSn <sub>1-x</sub> GexI <sub>3</sub> Perovskite Semiconductors. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 11749-11753	3.8	24
50	Development of an Ordered Mesoporous Carbon/MoO <sub>2</sub> Nanocomposite for High Performance Supercapacitor Electrode. <i>Electrochemical and Solid-State Letters</i> , <b>2011</b> , 14, A157		24
49	Chemo-thermal surface dedoping for high-performance tin perovskite solar cells. <i>Matter</i> , <b>2022</b> , 5, 683-693	13.7	23
48	High-performance methylammonium-free ideal-band-gap perovskite solar cells. <i>Matter</i> , <b>2021</b> , 4, 1365-1376	17.7	23
47	Decisive Structural and Functional Characterization of Halide Perovskites with Synchrotron. <i>Matter</i> , <b>2020</b> , 2, 360-377	12.7	21
46	Integration of a functionalized graphene nano-network into a planar perovskite absorber for high-efficiency large-area solar cells. <i>Materials Horizons</i> , <b>2018</b> , 5, 868-873	14.4	21
45	Effect of Grain Boundaries on Charge Transport in Methylammonium Lead Iodide Perovskite Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 5321-5325	3.8	20

44	Challenges in the ambient Raman spectroscopy characterization of methylammonium lead triiodide perovskite thin films. <i>Frontiers of Optoelectronics</i> , <b>2016</b> , 9, 81-86	2.8	20
43	Ordered Mesoporous Carbon/MoO <sub>2</sub> Nanocomposites as Stable Supercapacitor Electrodes. <i>ECS Electrochemistry Letters</i> , <b>2012</b> , 1, A17-A20		20
42	A polar-hydrophobic ionic liquid induces grain growth and stabilization in halide perovskites. <i>Chemical Communications</i> , <b>2019</b> , 55, 11059-11062	5.8	19
41	Effect of Grain Size on the Fracture Behavior of Organic-Inorganic Halide Perovskite Thin Films for Solar Cells. <i>Scripta Materialia</i> , <b>2020</b> , 185, 47-50	5.6	18
40	Lead-free low-dimensional tin halide perovskites with functional organic spacers: breaking the charge-transport bottleneck. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16742-16747	13	17
39	The Synergism of DMSO and Diethyl Ether for Highly Reproducible and Efficient MA <sub>0.5</sub> FA <sub>0.5</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001300	21.8	17
38	The Bloom of Perovskite Optoelectronics: Fundamental Science Matters. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 861-865	20.1	16
37	Crystallinity-controlled titanium oxide-carbon nanocomposites with enhanced lithium storage performance. <i>ChemSusChem</i> , <b>2012</b> , 5, 2376-82	8.3	16
36	Encapsulated X-Ray Detector Enabled by All-Inorganic Lead-Free Perovskite Film With High Sensitivity and Low Detection Limit. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 3191-3198	2.9	15
35	Thin-Film Transformation of NH <sub>4</sub> PbI <sub>3</sub> to CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite: A Methylamine-Induced Conversion/Healing Process. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14943-14947	3.6	15
34	Mechanisms of exceptional grain growth and stability in formamidinium lead triiodide thin films for perovskite solar cells. <i>Acta Materialia</i> , <b>2020</b> , 193, 10-18	8.4	14
33	transfer of CH <sub>3</sub> NH <sub>3</sub> PbI single crystals in mesoporous scaffolds for efficient perovskite solar cells. <i>Chemical Science</i> , <b>2020</b> , 11, 474-481	9.4	13
32	Methylammonium-Mediated Evolution of Mixed-Organic-Cation Perovskite Thin Films: A Dynamic Composition-Tuning Process. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7782-7786	3.6	12
31	Fabrication of compact and stable perovskite films with optimized precursor composition in the fast-growing procedure. <i>Science China Materials</i> , <b>2017</b> , 60, 608-616	7.1	11
30	Comprehensive Elucidation of Ion Transport and Its Relation to Hysteresis in Methylammonium Lead Iodide Perovskite Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 4029-4034	3.8	11
29	Correlations between Electrochemical Ion Migration and Anomalous Device Behaviors in Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1003-1014	20.1	11
28	Direct Characterization of Carrier Diffusion in Halide-Perovskite Thin Films Using Transient Photoluminescence Imaging. <i>ACS Photonics</i> , <b>2019</b> , 6, 2375-2380	6.3	10
27	Two-Stage Melt Processing of Phase-Pure Selenium for Printable Triple-Mesoscopic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33879-33885	9.5	9

26	Advances in cesium lead iodide perovskite solar cells: Processing science matters. <i>Materials Today</i> , <b>2021</b> , 47, 156-169	21.8	9
25	Electron-beam-induced cracking in organic-inorganic halide perovskite thin films. <i>Scripta Materialia</i> , <b>2020</b> , 187, 88-92	5.6	8
24	Ordered Mesoporous Carbon-MoO <sub>2</sub> Nanocomposite as High Performance Anode Material in Lithium Ion Batteries. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 257-260	1.2	8
23	Atomically Resolved Electrically Active Intragrain Interfaces in Perovskite Semiconductors.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	7
22	Machine learning for high-throughput experimental exploration of metal halide perovskites. <i>Joule</i> , <b>2021</b> ,	27.8	7
21	Perovskite Solar Cells with Enhanced Fill Factors Using Polymer-Capped Solvent Annealing. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7231-7238	6.1	7
20	Interconnected carbon-decorated TiO <sub>2</sub> nanocrystals with enhanced lithium storage performance. <i>Electrochemistry Communications</i> , <b>2014</b> , 40, 54-57	5.1	5
19	AgBiS <sub>2</sub> as a low-cost and eco-friendly all-inorganic photovoltaic material: nanoscale morphology-property relationship. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 770-776	5.1	4
18	3D structure-property correlations of electronic and energy materials by tomographic atomic force microscopy. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 080501	3.4	4
17	Critical Role of Organoamines in the Irreversible Degradation of a Metal Halide Perovskite Precursor Colloid: Mechanism and Inhibiting Strategy. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 481-489	20.1	4
16	p-p orbital interaction via magnesium isovalent doping enhances optoelectronic properties of halide perovskites. <i>Chemical Communications</i> , <b>2020</b> , 56, 15639-15642	5.8	3
15	Homogenous Alloys of Formamidinium Lead Triiodide and Cesium Tin Triiodide for Efficient Ideal-Bandgap Perovskite Solar Cells. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12832-12836	3.6	3
14	Harnessing chemical functions of ionic liquids for perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 68, 797-810	12	3
13	Visualizing the Invisible in Perovskites. <i>Joule</i> , <b>2020</b> , 4, 2545-2548	27.8	3
12	In-situ observation of trapped carriers in organic metal halide perovskite films with ultra-fast temporal and ultra-high energetic resolutions. <i>Nature Communications</i> , <b>2021</b> , 12, 1636	17.4	3
11	Tailoring quasi-2D perovskite thin films via nanocrystals mediation for enhanced electroluminescence. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128511	14.7	3
10	Direct Synthesis of Carbon Sheathed Tungsten Oxide Nanoparticles via Self-Assembly Route for High Performance Electrochemical Charge Storage Electrode. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 389-97	1.3	2
9	Zooming In on Metal Halide Perovskites: New Energy Frontiers Emerge. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2750-2754	27.2	2

8	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
7	Understanding and Engineering Grain Boundaries for High-Performance Halide Perovskite Photovoltaics <b>2020</b> ,		1
6	Bridging the Interfacial Contact for Improved Stability and Efficiency of Inverted Perovskite Solar Cells.. <i>Small</i> , <b>2022</b> , e2201694	11	1
5	Rücktitelbild: Homogenous Alloys of Formamidinium Lead Triiodide and Cesium Tin Triiodide for Efficient Ideal-Bandgap Perovskite Solar Cells (Angew. Chem. 41/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12966-12966	3.6	
4	Layered 2D Halide Perovskites beyond the Ruddlesden-Popper Phase: Tailored Interlayer Chemistries for High-Performance Solar Cells. <i>Angewandte Chemie</i> , e202112022	3.6	
3	Microstructures and Grain Boundaries of Halide Perovskite Thin Films <b>2022</b> , 81-105		
2	Perovskite: An inspiring piece of matter. <i>Matter</i> , <b>2021</b> , 4, 3802-3803	12.7	
1	A patterned titania nanorod array enables high fill factor in perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 63, 391-391	12	