

# Feng Jiangshan

## List of Publications by Year in descending order

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29  
papers

3,857  
citations

331670

21  
h-index

477307

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29  
all docs

29  
docs citations

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times ranked

4326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient and Stable CsPbTh <sub>3</sub> (Th = I, Br, Cl) Perovskite Solar Cells by Combinational Passivation Strategy. <i>Advanced Science</i> , 2022, 9, e2105103.	11.2	20
2	The Final Step in the Application of Perovskite Solar Cells. <i>Materials</i> , 2022, 15, 2554.	2.9	2
3	Ionic-Liquid-Perovskite Capping Layer for Stable 24.33%-Efficient Solar Cell. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	80
4	Record-Efficiency Flexible Perovskite Solar Cells Enabled by Multifunctional Organic Ions Interface Passivation. <i>Advanced Materials</i> , 2022, 34, e2201681.	21.0	186
5	Effect of Solvent Residue in the Thin-Film Fabrication on Perovskite Solar Cell Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 28729-28737.	8.0	22
6	Balanced-Strength Additive for High-Efficiency Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 8034-8041.	5.1	10
7	High-Efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4238-4244.	13.8	221
8	High-Efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. <i>Angewandte Chemie</i> , 2021, 133, 4284-4290.	2.0	14
9	High-throughput large-area vacuum deposition for high-performance formamidine-based perovskite solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 3035-3043.	30.8	121
10	Triple-Cation and Mixed-Halide Perovskite Single Crystal for High-Performance X-Ray Imaging. <i>Advanced Materials</i> , 2021, 33, e2006010.	21.0	163
11	Inch-sized high-quality perovskite single crystals by suppressing phase segregation for light-powered integrated circuits. <i>Science Advances</i> , 2021, 7, .	10.3	81
12	40.1% Record Low-Light Solar Cell Efficiency by Holistic Trap-Passivation using Micrometer-Thick Perovskite Film. <i>Advanced Materials</i> , 2021, 33, e2100770.	21.0	110
13	Semitransparent Flexible Perovskite Solar Cells for Potential Greenhouse Applications. <i>Solar Rrl</i> , 2021, 5, 2100264.	5.8	15
14	Large Lead-Free Perovskite Single Crystal for High-Performance Coplanar X-Ray Imaging Applications. <i>Advanced Optical Materials</i> , 2020, 8, 2000814.	7.3	67
15	High-Performance Inverted Perovskite Solar Cells by Reducing Electron Capture Region for Electron Transport Layers. <i>Solar Rrl</i> , 2019, 3, 1900207.	5.8	6
16	Low-temperature-gradient crystallization for multi-inch high-quality perovskite single crystals for record performance photodetectors. <i>Materials Today</i> , 2019, 22, 67-75.	14.2	204
17	PbTiO <sub>3</sub> as Electron-Selective Layer for High-Efficiency Perovskite Solar Cells: Enhanced Electron Extraction via Tunable Ferroelectric Polarization. <i>Advanced Functional Materials</i> , 2019, 29, 1806427.	14.9	23
18	Chelate-Pb Intermediate Engineering for High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14744-14750.	8.0	15

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19	Low-temperature and facile solution-processed two-dimensional TiS <sub>2</sub> as an effective electron transport layer for UV-stable planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9132-9138.	10.3	78
20	Bifunctional Hydroxylamine Hydrochloride Incorporated Perovskite Films for Efficient and Stable Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 900-909.	5.1	81
21	Vapor-fumigation for record efficiency two-dimensional perovskite solar cells with superior stability. <i>Energy and Environmental Science</i> , 2018, 11, 3349-3357.	30.8	87
22	Multi-inch single-crystalline perovskite membrane for high-detectivity flexible photosensors. <i>Nature Communications</i> , 2018, 9, 5302.	12.8	212
23	In Situ Grain Boundary Modification via Two-Dimensional Nanoplates to Remarkably Improve Stability and Efficiency of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39802-39808.	8.0	24
24	A 1300 mm <sup>2</sup> Ultrahigh-Performance Digital Imaging Assembly using High-Quality Perovskite Single Crystals. <i>Advanced Materials</i> , 2018, 30, e1707314.	21.0	246
25	Record Efficiency Stable Flexible Perovskite Solar Cell Using Effective Additive Assistant Strategy. <i>Advanced Materials</i> , 2018, 30, e1801418.	21.0	377
26	High efficiency planar-type perovskite solar cells with negligible hysteresis using EDTA-complexed SnO <sub>2</sub> . <i>Nature Communications</i> , 2018, 9, 3239.	12.8	1,017
27	Solution-Processed Nb:SnO <sub>2</sub> Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2421-2429.	8.0	315
28	CO <sub>2</sub> Plasma-Treated TiO <sub>2</sub> Film as an Effective Electron Transport Layer for High-Performance Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33989-33996.	8.0	35
29	Effective solvent-additive enhanced crystallization and coverage of absorber layers for high efficiency formamidinium perovskite solar cells. <i>RSC Advances</i> , 2016, 6, 56807-56811.	3.6	25