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List of Publications by Year in descending order

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16
papers

697
citations

840585

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17
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the Perovskite Film Formation Using the Gas Quenching Method by In Situ GIWAXS: Morphology, Properties, and Device Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2007473.	7.8	40
2	Rapid hybrid perovskite film crystallization from solution. <i>Chemical Society Reviews</i> , 2021, 50, 7108-7131.	18.7	77
3	Flash Infrared Annealing for Perovskite Solar Cell Processing. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	4
4	Nanoscale interfacial engineering enables highly stable and efficient perovskite photovoltaics. <i>Energy and Environmental Science</i> , 2021, 14, 5552-5562.	15.6	69
5	Thermodynamic stability screening of IR-photonically processed multication halide perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26885-26895.	5.2	4
6	Highly efficient and rapid manufactured perovskite solar cells via Flash InfraRed Annealing. <i>Materials Today</i> , 2020, 35, 9-15.	8.3	35
7	Comparing the excited-state properties of a mixed-cation mixed-halide perovskite to methylammonium lead iodide. <i>Journal of Chemical Physics</i> , 2020, 152, 104703.	1.2	18
8	Flash Infrared Pulse Time Control of Perovskite Crystal Nucleation and Growth from Solution. <i>Crystal Growth and Design</i> , 2020, 20, 670-679.	1.4	12
9	Crystal Orientation and Grain Size: Do They Determine Optoelectronic Properties of MAPbI ₃ Perovskite?. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6010-6018.	2.1	82
10	Flash infrared annealing as a cost-effective and low environmental impact processing method for planar perovskite solar cells. <i>Materials Today</i> , 2019, 31, 39-46.	8.3	65
11	Phase Evolution During Perovskite Formation—Insight from Pair Distribution Function Analysis. <i>Chemistry of Materials</i> , 2019, 31, 3498-3506.	3.2	26
12	Perovskite Solar Cell Modeling Using Light- and Voltage-Modulated Techniques. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6444-6449.	1.5	61
13	Flash Infrared Annealing for Antisolvent-Free Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702915.	10.2	106
14	Efficient and Stable Inorganic Perovskite Solar Cells Manufactured by Pulsed Flash Infrared Annealing. <i>Advanced Energy Materials</i> , 2018, 8, 1802060.	10.2	98
15	Crystal Orientation and Grain Size: Do They Matter for Optoelectronic Properties of MAPbI ₃ Perovskite?. , 0, , .		0
16	Crystal Orientation and Grain Size: Do They Matter for Optoelectronic Properties of MAPbI ₃ Perovskite?. , 0, , .		0