

Taisuke Matsui

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

10
papers

7,390
citations

8
h-index

11
g-index

11
ext. papers

8,240
ext. citations

19.7
avg, IF

5.76
L-index

#	Paper	IF	Citations
10	Cesium-containing triple cation perovskite solar cells: improved stability, reproducibility and high efficiency. <i>Energy and Environmental Science</i> , 2016 , 9, 1989-1997	35.4	3740
9	Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance. <i>Science</i> , 2016 , 354, 206-209	33.3	2628
8	Highly efficient and stable planar perovskite solar cells by solution-processed tin oxide. <i>Energy and Environmental Science</i> , 2016 , 9, 3128-3134	35.4	603
7	The effect of illumination on the formation of metal halide perovskite films. <i>Nature</i> , 2017 , 545, 208-212	50.4	197
6	Compositional Engineering for Thermally Stable, Highly Efficient Perovskite Solar Cells Exceeding 20% Power Conversion Efficiency with 85 °C/85% 1000 h Stability. <i>Advanced Materials</i> , 2019 , 31, e1806823	24	126
5	Additive-Free Transparent Triarylamine-Based Polymeric Hole-Transport Materials for Stable Perovskite Solar Cells. <i>ChemSusChem</i> , 2016 , 9, 2567-2571	8.3	56
4	Influence of a Hole-Transport Layer on Light-Induced Degradation of Mixed Organic/Inorganic Halide Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5039-5049	6.1	22
3	Effect of Rubidium for Thermal Stability of Triple-cation Perovskite Solar Cells. <i>Chemistry Letters</i> , 2018 , 47, 814-816	1.7	17
2	Operational Principles of Hybrid Perovskite Solar Cells 2021 , 275-308		1
1	Low-Cost Computing of the Thermophysical Properties of Organic/Inorganic Halide Perovskites by Density Functional Theory Combined with the Three-Dimensional Reference Interaction Site Method. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6601-6610	3.8	