Taisuke Matsui

List of Publications by Year in Descending Order

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