

# Maximilian T HÃ¶rntner

## List of Publications by Year in descending order

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18  
papers

7,360  
citations

430442

18  
h-index

839053

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

9784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the long-range charge carrier mobility in metal halide perovskite thin films. <i>Energy and Environmental Science</i> , 2019, 12, 169-176.	15.6	115
2	<i>In situ</i> simultaneous photovoltaic and structural evolution of perovskite solar cells during film formation. <i>Energy and Environmental Science</i> , 2018, 11, 383-393.	15.6	77
3	The Potential of Multijunction Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 2506-2513.	8.8	272
4	Monolithic Wide Band Gap Perovskite/Perovskite Tandem Solar Cells with Organic Recombination Layers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27256-27262.	1.5	40
5	Predicting and optimising the energy yield of perovskite-on-silicon tandem solar cells under real world conditions. <i>Energy and Environmental Science</i> , 2017, 10, 1983-1993.	15.6	192
6	Metal halide perovskite tandem and multiple-junction photovoltaics. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	344
7	Near-neutral-colored semitransparent perovskite films using a combination of colloidal self-assembly and plasma etching. <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 193-202.	3.0	47
8	Inducing swift nucleation morphology control for efficient planar perovskite solar cells by hot-air quenching. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3812-3818.	5.2	61
9	A low viscosity, low boiling point, clean solvent system for the rapid crystallisation of highly specular perovskite films. <i>Energy and Environmental Science</i> , 2017, 10, 145-152.	15.6	319
10	Interfacial electron accumulation for efficient homo-junction perovskite solar cells. <i>Nano Energy</i> , 2016, 28, 269-276.	8.2	63
11	Bandgap-tunable Cesium Lead Halide Perovskites with High Thermal Stability for Efficient Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502458.	10.2	1,265
12	Shunt-blocking Layers for Semitransparent Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500837.	1.9	73
13	Well-Defined Nanostructured, Single-Crystalline TiO <sub>2</sub> Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>ACS Nano</i> , 2016, 10, 6029-6036.	7.3	196
14	Structured Organic-Inorganic Perovskite toward a Distributed Feedback Laser. <i>Advanced Materials</i> , 2016, 28, 923-929.	11.1	257
15	A mixed-cation lead mixed-halide perovskite absorber for tandem solar cells. <i>Science</i> , 2016, 351, 151-155.	6.0	2,514
16	C <sub>60</sub> as an Efficient n-Type Compact Layer in Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2399-2405.	2.1	324
17	Ultrasoft organic-inorganic perovskite thin-film formation and crystallization for efficient planar heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 6142.	5.8	784
18	Optical properties and limiting photocurrent of thin-film perovskite solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 602-609.	15.6	417