

Ilka M Hermes

List of Publications by Year in descending order

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14
papers

1,049
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

2193
citing authors

#	ARTICLE	IF	CITATIONS
1	How the formation of interfacial charge causes hysteresis in perovskite solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 2404-2413.	30.8	289
2	Ferroelastic Fingerprints in Methylammonium Lead Iodide Perovskite. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5724-5731.	3.1	154
3	Local Time-Dependent Charging in a Perovskite Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19402-19409.	8.0	109
4	Humidity-Induced Grain Boundaries in MAPbI ₃ Perovskite Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6363-6368.	3.1	103
5	The Interplay of Contact Layers: How the Electron Transport Layer Influences Interfacial Recombination and Hole Extraction in Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6249-6256.	4.6	68
6	Removal of Surface Oxygen Vacancies Increases Conductance Through TiO ₂ Thin Films for Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13458-13466.	3.1	54
7	Chemical Identification at the Solid-Liquid Interface. <i>Langmuir</i> , 2017, 33, 125-129.	3.5	50
8	Orientation of Ferroelectric Domains and Disappearance upon Heating Methylammonium Lead Triiodide Perovskite from Tetragonal to Cubic Phase. <i>ACS Applied Energy Materials</i> , 2018, 1, 1534-1539.	5.1	49
9	Know your full potential: Quantitative Kelvin probe force microscopy on nanoscale electrical devices. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1809-1819.	2.8	47
10	Three-dimensional hydration layer mapping on the (10.4) surface of calcite using amplitude modulation atomic force microscopy. <i>Nanotechnology</i> , 2014, 25, 335703.	2.6	41
11	Evidence of Tailoring the Interfacial Chemical Composition in Normal Structure Hybrid Organohalide Perovskites by a Self-Assembled Monolayer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5511-5518.	8.0	32
12	Anisotropic carrier diffusion in single MAPbI ₃ grains correlates to their twin domains. <i>Energy and Environmental Science</i> , 2020, 13, 4168-4177.	30.8	27
13	Low Temperature Synthesis and Characterization of AlScMo ₃ O ₁₂ . <i>Materials</i> , 2015, 8, 700-716.	2.9	18
14	Three-dimensional solvation structure of ethanol on carbonate minerals. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 891-898.	2.8	8