

Konrad Domanski

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.

21
papers

10,744
citations

20
h-index

24
g-index

24
ext. papers

12,174
ext. citations

28.8
avg, IF

6.2
L-index

#	Paper	IF	Citations
21	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	374 ⁰
20	Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance. <i>Science</i> , 2016 , 354, 206-209	33.3	2628
19	Not All That Glitters Is Gold: Metal-Migration-Induced Degradation in Perovskite Solar Cells. <i>ACS Nano</i> , 2016 , 10, 6306-14	16.7	759
18	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
17	Systematic investigation of the impact of operation conditions on the degradation behaviour of perovskite solar cells. <i>Nature Energy</i> , 2018 , 3, 61-67	62.3	427
16	Interpretation and evolution of open-circuit voltage, recombination, ideality factor and subgap defect states during reversible light-soaking and irreversible degradation of perovskite solar cells. <i>Energy and Environmental Science</i> , 2018 , 11, 151-165	35.4	425
15	Migration of cations induces reversible performance losses over day/night cycling in perovskite solar cells. <i>Energy and Environmental Science</i> , 2017 , 10, 604-613	35.4	387
14	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , 2020 , 5, 35-49	62.3	369
13	Identifying and suppressing interfacial recombination to achieve high open-circuit voltage in perovskite solar cells. <i>Energy and Environmental Science</i> , 2017 , 10, 1207-1212	35.4	242
12	Unbroken Perovskite: Interplay of Morphology, Electro-optical Properties, and Ionic Movement. <i>Advanced Materials</i> , 2016 , 28, 5031-7	24	208
11	High Temperature-Stable Perovskite Solar Cell Based on Low-Cost Carbon Nanotube Hole Contact. <i>Advanced Materials</i> , 2017 , 29, 1606398	24	173
10	Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency. <i>Advanced Energy Materials</i> , 2016 , 6, 1600767	21.8	165
9	Performance of perovskite solar cells under simulated temperature-illumination real-world operating conditions. <i>Nature Energy</i> , 2019 , 4, 568-574	62.3	117
8	Working Principles of Perovskite Photodetectors: Analyzing the Interplay Between Photoconductivity and Voltage-Driven Energy-Level Alignment. <i>Advanced Functional Materials</i> , 2015 , 25, 6936-6947	15.6	114
7	Strong Photocurrent Amplification in Perovskite Solar Cells with a Porous TiO ₂ Blocking Layer under Reverse Bias. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3931-6	6.4	96
6	Highly Efficient and Stable Perovskite Solar Cells based on a Low-Cost Carbon Cloth. <i>Advanced Energy Materials</i> , 2016 , 6, 1601116	21.8	91
5	Carbon Nanoparticles in High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702719	21.8	59

4	Additive-Free Transparent Triarylamine-Based Polymeric Hole-Transport Materials for Stable Perovskite Solar Cells. <i>ChemSusChem</i> , 2016 , 9, 2567-2571	8.3	56
3	Poly(ethylene glycol)-[60]Fullerene-Based Materials for Perovskite Solar Cells with Improved Moisture Resistance and Reduced Hysteresis. <i>ChemSusChem</i> , 2018 , 11, 1032-1039	8.3	43
2	Metal-Halide Perovskites for Gate Dielectrics in Field-Effect Transistors and Photodetectors Enabled by PMMA Lift-Off Process. <i>Advanced Materials</i> , 2018 , 30, e1707412	24	30
1	Solar Cells: Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency (Adv. Energy Mater. 20/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	1