

Joel Jean

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6108084/publications.pdf>

Version: 2024-02-01

18
papers

2,170
citations

516710

16
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

4175
citing authors

#	ARTICLE	IF	CITATIONS
1	Getting high with quantum dot solar cells. <i>Nature Energy</i> , 2020, 5, 10-11.	39.5	18
2	Benefit from Photon Recycling at the Maximum-Power Point of State-of-the-Art Perovskite Solar Cells. <i>Physical Review Applied</i> , 2019, 12, .	3.8	50
3	Epitaxial Dimers and Auger-Assisted Detrapping in PbS Quantum Dot Solids. <i>Matter</i> , 2019, 1, 250-265.	10.0	56
4	Accelerating Photovoltaic Market Entry with Module Replacement. <i>Joule</i> , 2019, 3, 2824-2841.	24.0	44
5	Guaranteed global optimization of thin-film optical systems. <i>New Journal of Physics</i> , 2019, 21, 073050.	2.9	10
6	Developing a Robust Recombination Contact to Realize Monolithic Perovskite Tandems With Industrially Common p-Type Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1023-1028.	2.5	27
7	Synthesis cost dictates the commercial viability of lead sulfide and perovskite quantum dot photovoltaics. <i>Energy and Environmental Science</i> , 2018, 11, 2295-2305.	30.8	106
8	Interference-enhanced infrared-to-visible upconversion in solid-state thin films sensitized by colloidal nanocrystals. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	39
9	Radiative Efficiency Limit with Band Tailing Exceeds 30% for Quantum Dot Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 2616-2624.	17.4	92
10	Strongly Enhanced Photovoltaic Performance and Defect Physics of Air-Stable Bismuth Oxyiodide (BiOI). <i>Advanced Materials</i> , 2017, 29, 1702176.	21.0	139
11	In situ vapor-deposited parylene substrates for ultra-thin, lightweight organic solar cells. <i>Organic Electronics</i> , 2016, 31, 120-126.	2.6	63
12	Solid-state infrared-to-visible upconversion sensitized by colloidal nanocrystals. <i>Nature Photonics</i> , 2016, 10, 31-34.	31.4	418
13	Pathways for solar photovoltaics. <i>Energy and Environmental Science</i> , 2015, 8, 1200-1219.	30.8	385
14	Open-Circuit Voltage Deficit, Radiative Sub-Bandgap States, and Prospects in Quantum Dot Solar Cells. <i>Nano Letters</i> , 2015, 15, 3286-3294.	9.1	223
15	ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Oylock 10 21.0	21.0	216
16	Graphene Cathode-Based ZnO Nanowire Hybrid Solar Cells. <i>Nano Letters</i> , 2013, 13, 233-239.	9.1	193
17	ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2013, 25, 2790-2796.	21.0	251
18	A model for emission yield from planar photocathodes based on photon-enhanced thermionic emission or negative-electron-affinity photoemission. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	53