Dejiu Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5924370/publications.pdf

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13	500	933264 10	1125617 13
papers	citations	h-index	g-index

14	14	14	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Near-perfect photon utilization in an air-bridge thermophotovoltaic cell. Nature, 2020, 586, 237-241.	13.7	118
2	Highâ€Efficiency, Vacuumâ€Deposited, Smallâ€Molecule Organic Tandem and Tripleâ€Junction Photovoltaic Cells. Advanced Energy Materials, 2014, 4, 1400568.	10.2	103
3	Near-field thermophotovoltaics for efficient heat to electricity conversion at high power density. Nature Communications, 2021, 12, 4364.	5.8	67
4	Thin-Film Architectures with High Spectral Selectivity for Thermophotovoltaic Cells. ACS Photonics, 2018, 5, 2748-2754.	3.2	47
5	Elimination of Plasmon Losses and Enhanced Light Extraction of Top-Emitting Organic Light-Emitting Devices Using a Reflective Subelectrode Grid. ACS Photonics, 2017, 4, 363-368.	3.2	41
6	Flexible Thin-Film InGaAs Photodiode Focal Plane Array. ACS Photonics, 2016, 3, 670-676.	3.2	38
7	15.9% organic tandem solar cell with extended near-infrared absorption. Applied Physics Letters, 2020, 116, .	1.5	23
8	From 2D to 3D: Strain- and elongation-free topological transformations of optoelectronic circuits. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3968-3973.	3.3	22
9	Sustaining efficiency at elevated power densities in InGaAs airbridge thermophotovoltaic cells. Solar Energy Materials and Solar Cells, 2022, 236, 111523.	3.0	15
10	Air-Bridge Si Thermophotovoltaic Cell with High Photon Utilization. ACS Energy Letters, 2022, 7, 2388-2392.	8.8	13
11	A high throughput, linear molecular beam epitaxy system for reduced cost manufacturing of GaAs photovoltaic cells: will GaAs ever be inexpensive enough?. Sustainable Energy and Fuels, 2020, 4, 2035-2042.	2.5	7
12	Organic Charge-Coupled Device. ACS Photonics, 2019, 6, 2090-2095.	3.2	4
13	Understanding and Control of Compressively Buckled Semiconductor Thin Films. Physical Review Applied, 2021, 16, .	1.5	2