

# Dejiu Fan

## List of Publications by Year in descending order

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

Version: 2024-02-01

13  
papers

500  
citations

933264

10  
h-index

1125617

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustaining efficiency at elevated power densities in InGaAs airbridge thermophotovoltaic cells. Solar Energy Materials and Solar Cells, 2022, 236, 111523.	3.0	15
2	Air-Bridge Si Thermophotovoltaic Cell with High Photon Utilization. ACS Energy Letters, 2022, 7, 2388-2392.	8.8	13
3	Near-field thermophotovoltaics for efficient heat to electricity conversion at high power density. Nature Communications, 2021, 12, 4364.	5.8	67
4	Understanding and Control of Compressively Buckled Semiconductor Thin Films. Physical Review Applied, 2021, 16, .	1.5	2
5	Near-perfect photon utilization in an air-bridge thermophotovoltaic cell. Nature, 2020, 586, 237-241.	13.7	118
6	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
7	15.9% organic tandem solar cell with extended near-infrared absorption. Applied Physics Letters, 2020, 116, .	1.5	23
8	Organic Charge-Coupled Device. ACS Photonics, 2019, 6, 2090-2095.	3.2	4
9	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
10	Thin-Film Architectures with High Spectral Selectivity for Thermophotovoltaic Cells. ACS Photonics, 2018, 5, 2748-2754.	3.2	47
11	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
12	Flexible Thin-Film InGaAs Photodiode Focal Plane Array. ACS Photonics, 2016, 3, 670-676.	3.2	38
13	High Efficiency, Vacuum Deposited, Small Molecule Organic Tandem and Triple Junction Photovoltaic Cells. Advanced Energy Materials, 2014, 4, 1400568.	10.2	103