

Asman Tamang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1060571/publications.pdf>

Version: 2024-02-01

13
papers

224
citations

1040056

9
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	Band-Gap-Engineered Transparent Perovskite Solar Modules to Combine Photovoltaics with Photosynthesis. ACS Applied Materials & Interfaces, 2021, 13, 39230-39238.	8.0	8
2	Combining Photosynthesis and Photovoltaics: A Hybrid Energy-Harvesting System Using Optical Antennas. ACS Applied Materials & Interfaces, 2020, 12, 40261-40268.	8.0	8
3	Enhancing the energy conversion efficiency of low mobility solar cells by a 3D device architecture. Journal of Materials Chemistry C, 2019, 7, 10289-10296.	5.5	10
4	Color Sensing by Optical Antennas: Approaching the Quantum Efficiency Limit. ACS Photonics, 2019, 6, 2041-2048.	6.6	12
5	Tiling of Solar Cell Surfaces: Influence on Photon Management and Microstructure. Advanced Materials Interfaces, 2018, 5, 1700814.	3.7	5
6	Silicon Thin-Film Solar Cells Approaching the Geometric Light-Trapping Limit: Surface Texture Inspired by Self-Assembly Processes. ACS Photonics, 2018, 5, 2799-2806.	6.6	2
7	Towards 3D organic solar cells. Nano Energy, 2017, 31, 582-589.	16.0	18
8	From randomly self-textured substrates to highly efficient thin film solar cells: Influence of geometric interface engineering on light trapping, plasmonic losses and charge extraction. Solar Energy Materials and Solar Cells, 2017, 160, 141-148.	6.2	21
9	Comparison of Light Trapping in Silicon Nanowire and Surface Textured Thin-Film Solar Cells. Applied Sciences (Switzerland), 2017, 7, 427.	2.5	12
10	On the interplay of cell thickness and optimum period of silicon thin-film solar cells: light trapping and plasmonic losses. Progress in Photovoltaics: Research and Applications, 2016, 24, 379-388.	8.1	27
11	Enhanced photon management in silicon thin film solar cells with different front and back interface texture. Scientific Reports, 2016, 6, 29639.	3.3	46
12	On the interplay of interface morphology and microstructure of high-efficiency microcrystalline silicon solar cells. Solar Energy Materials and Solar Cells, 2016, 151, 81-88.	6.2	21
13	Light-Trapping and Interface Morphologies of Amorphous Silicon Solar Cells on Multiscale Surface Textured Substrates. IEEE Journal of Photovoltaics, 2014, 4, 16-21.	2.5	34