

# Tao Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3084223/publications.pdf>

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21  
papers

1,060  
citations

1040056

9  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Six-junction III-V solar cells with 47.1% conversion efficiency under 143-suns concentration. Nature Energy, 2020, 5, 326-335.	39.5	408
2	High efficiency perovskite quantum dot solar cells with charge separating heterostructure. Nature Communications, 2019, 10, 2842.	12.8	308
3	Emitter/absorber interface of CdTe solar cells. Journal of Applied Physics, 2016, 119, .	2.5	156
4	Triple-junction solar cells with 39.5% terrestrial and 34.2% space efficiency enabled by thick quantum well superlattices. Joule, 2022, 6, 1121-1135.	24.0	67
5	Te Layer to Reduce the CdTe Back-Contact Barrier. IEEE Journal of Photovoltaics, 2018, 8, 293-298.	2.5	30
6	Interface-Barrier-Induced $\lambda$ -V Distortion of CIGS Cells With Sputtered-Deposited Zn(S,O) Window Layers. IEEE Journal of Photovoltaics, 2014, 4, 942-947.	2.5	27
7	Improved CdTe Solar-Cell Performance with An Evaporated Te Layer before The Back Contact. MRS Advances, 2017, 2, 3195-3201.	0.9	13
8	Comprehensive Performance Calibration Guidance for Perovskites and Other Emerging Solar Cells. Advanced Energy Materials, 2021, 11, 2100728.	19.5	13
9	Design of Epitaxial CdTe Solar Cells on InSb Substrates. IEEE Journal of Photovoltaics, 2015, 5, 1762-1768.	2.5	12
10	Exploring the potential for high-quality epitaxial CdTe solar cells. , 2014, , .		8
11	How Useful are Conventional $\lambda$ -V for Performance Calibration of Single- and Two-Junction Perovskite Solar Cells? A Statistical Analysis of Performance Data on $\sim$ 200 Cells from 30 Global Sources. Solar Rrl, 2022, 6, 2100867.	5.8	6
12	Reliable Power Rating of Perovskite PV Modules. , 2021, , .		4
13	Choice of substrate material for epitaxial CdTe solar cells. , 2015, , .		2
14	Accurate Efficiency Measurements for Emerging PV: A Comparison of NREL's Steady-State Performance Calibration Protocol Between Conventional and Emerging PV Technologies. , 2019, , .		2
15	Role of Tellurium Buffer Layer on CdTe Solar Cells' Absorber/Back-Contact Interface. , 2017, , .		1
16	Measurements of Six-Junction Concentrator Solar Cells. , 2019, , .		1
17	Critical Steps Towards Accurate Efficiency Measurement of Emerging Tandem Solar Cells. , 2020, , .		1
18	How Useful are Conventional $\lambda$ -V for Performance Calibration of Single- and Two-Junction Perovskite Solar Cells? A Statistical Analysis of Performance Data on $\sim$ 200 Cells from 30 Global Sources. Solar Rrl, 2022, 6, 2270013.	5.8	1

#	ARTICLE	IF	CITATIONS
19	Emitter choice for epitaxial CdTe solar cells. , 2016, , .		0
20	Quantitative Study of the Effect of Non-Uniform Irradiance on Module Performance Combining EL and DLIT Imaging with Circuit Modeling. , 2018, , .		0
21	NREL's Improved Linearity Testing of Photovoltaic Reference Cells. , 2019, , .		0