

# Shizhao Fan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2774747/publications.pdf>

Version: 2024-02-01

9  
papers

134  
citations

1478505

6  
h-index

1588992

8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current-Matched III-V/Si Epitaxial Tandem Solar Cells with 25.0% Efficiency. Cell Reports Physical Science, 2020, 1, 100208.	5.6	36
2	20%-efficient epitaxial GaAsP/Si tandem solar cells. Solar Energy Materials and Solar Cells, 2019, 202, 110144.	6.2	33
3	Revealing the Mechanism behind the Catastrophic Failure of n- $\mu$ Type Perovskite Solar Cells under Operating Conditions and How to Suppress It. Advanced Functional Materials, 2021, 31, 2103820.	14.9	22
4	Relaxed GaP on Si with low threading dislocation density. Applied Physics Letters, 2020, 116, 042102.	3.3	14
5	16.8%-Efficient n <sup>+</sup> /p GaAs Solar Cells on Si With High Short-Circuit Current Density. IEEE Journal of Photovoltaics, 2019, 9, 660-665.	2.5	12
6	InP quantum dots for dislocation-tolerant, visible light emitters on Si. Applied Physics Letters, 2020, 117, .	3.3	8
7	Challenges of relaxed <i>n</i> -type GaP on Si and strategies to enable low threading dislocation density. Journal of Applied Physics, 2021, 130, 243104.	2.5	5
8	Selective Area Heteroepitaxy of p-i-n Junction GaP Nanopillar Arrays on Si (111) by MOCVD. IEEE Journal of Quantum Electronics, 2022, 58, 1-6.	1.9	3
9	Solar Cell Analysis Under Venus Atmosphere Conditions. , 2018, , .		1