

# Tanya Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/806548/publications.pdf>

Version: 2024-02-01

12  
papers

126  
citations

1307594

7  
h-index

1588992

8  
g-index

12  
all docs

12  
docs citations

12  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiobjective Optimization of Graded, Hybrid Micropillar Wicks for Capillary-Fed Evaporation. <i>Langmuir</i> , 2022, 38, 221-230.	3.5	2
2	Heat transfer innovations and their application in thermal desalination processes. <i>Joule</i> , 2022, 6, 1199-1229.	24.0	17
3	Performance and Manufacturing of Silicon-Based Vapor Chambers. <i>Applied Mechanics Reviews</i> , 2021, 73, .	10.1	14
4	Low Offset and Noise in High Biased GaN 2DEG Hall-Effect Plates Investigated With Infrared Microscopy. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 669-676.	2.5	9
5	Characterization and thermal modeling of a miniature silicon vapor chamber for die-level heat redistribution. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119569.	4.8	30
6	Lithography and Etching-Free Microfabrication of Silicon Carbide on Insulator Using Direct UV Laser Ablation. <i>Advanced Engineering Materials</i> , 2020, 22, 1901173.	3.5	7
7	Steady-State Parametric Optimization and Transient Characterization of Heat Flow Regulation With Binary Diffusion. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 1996-2007.	2.5	0
8	Tunable, passive thermal regulation through liquid to vapor phase change. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	8
9	Thermal Management Research "from Power Electronics to Portables. , 2018, , .		0
10	Optimizing the design of composite phase change materials for high thermal power density. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	35
11	Analytical modeling for prediction of chip package-level thermal performance. , 2016, , .		1
12	Optimization of hybrid wick structures for extreme spreading in high performance vapor chambers. , 2016, , .		3