

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