

Zhaocheng Liu

List of Publications by Year in descending order

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13
papers

1,461
citations

1170033

9
h-index

1336881

12
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13
all docs

13
docs citations

13
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximized Frequency Doubling through the Inverse Design of Nonlinear Metamaterials. ACS Nano, 2022, 16, 3926-3933.	7.3	18
2	Deep learning for the design of photonic structures. Nature Photonics, 2021, 15, 77-90.	15.6	512
3	Building Multifunctional Metasystems <i>via</i> Algorithmic Construction. ACS Nano, 2021, 15, 2318-2326.	7.3	42
4	Tackling Photonic Inverse Design with Machine Learning. Advanced Science, 2021, 8, 2002923.	5.6	86
5	A Comprehensive Framework for Analysis of Time-Dependent Performance-Reliability Degradation of SRAM Cache Memory. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2021, 29, 857-870.	2.1	3
6	Compounding Meta-Atoms into Metamolecules with Hybrid Artificial Intelligence Techniques. Advanced Materials, 2020, 32, e1904790.	11.1	90
7	Inverse Design of FinFET SRAM Cells. , 2020, , .		1
8	A Hybrid Strategy for the Discovery and Design of Photonic Structures. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 126-135.	2.7	52
9	Topological encoding method for data-driven photonics inverse design. Optics Express, 2020, 28, 4825.	1.7	31
10	Impact of front-end wearout mechanisms on FinFET SRAM soft error rate. Microelectronics Reliability, 2019, 100-101, 113487.	0.9	5
11	A library based on deep neural networks for modeling the degradation of FinFET SRAM performance metrics due to aging. Microelectronics Reliability, 2019, 100-101, 113486.	0.9	2
12	Metasurfaces for Near-Eye Augmented Reality. ACS Photonics, 2019, 6, 864-870.	3.2	57
13	Generative Model for the Inverse Design of Metasurfaces. Nano Letters, 2018, 18, 6570-6576.	4.5	562