

Bo Liu

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

323
citations

1162889

8
h-index

1372474

10
g-index

10
all docs

10
docs citations

10
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Bidirectional All-Optical Synapses Based on a 2D Bi ₂ O ₂ Se/Graphene Hybrid Structure for Multifunctional Optoelectronics. <i>Advanced Functional Materials</i> , 2020, 30, 2001598.	7.8	123
2	Programmable Synaptic Metaplasticity and below Femtojoule Spiking Energy Realized in Graphene-Based Neuromorphic Memristor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20237-20243.	4.0	71
3	N-Doped Graphene with Low Intrinsic Defect Densities via a Solid Source Doping Technique. <i>Nanomaterials</i> , 2017, 7, 302.	1.9	37
4	A Fluorographene-Based Synaptic Transistor. <i>Advanced Materials Technologies</i> , 2019, 4, 1900422.	3.0	30
5	Bi ₂ O ₂ Se-Based True Random Number Generator for Security Applications. <i>ACS Nano</i> , 2022, 16, 6847-6857.	7.3	18
6	Bi ₂ O ₂ Se-Based Memristor-Aided Logic. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15391-15398.	4.0	16
7	Improvements on thermal stability of graphene and top gate graphene transistors by Ar annealing. <i>Vacuum</i> , 2017, 137, 8-13.	1.6	14
8	Dimensionally anisotropic graphene with high mobility and a high on/off ratio in a three-terminal RRAM device. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1756-1763.	3.2	9
9	Study of traps in low-temperature polysilicon thin film transistors using a current transient method. <i>Semiconductor Science and Technology</i> , 2022, 37, 015004.	1.0	3
10	Reprint of: Improvements on thermal stability of graphene and top gate graphene transistors by Ar annealing. <i>Vacuum</i> , 2017, 140, 149-154.	1.6	2