

Gaokuo Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

440
citations

759190

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713444

21
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22
all docs

22
docs citations

22
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible room-temperature multiferroic thin film with multifield tunable coupling properties. <i>Materials Today Physics</i> , 2022, 23, 100615.	6.0	4
2	Significantly enhanced energy storage density and efficiency in flexible Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ thin film via periodic dielectric layers. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	2
3	Performance Optimization of Atomic Layer Deposited HfO _x Memristor by Annealing With Back-End-of-Line Compatibility. <i>IEEE Electron Device Letters</i> , 2022, 43, 1141-1144.	3.9	9
4	Global-Gate Controlled One-Transistor One-Digital-Memristor Structure for Low-Bit Neural Network. <i>IEEE Electron Device Letters</i> , 2021, 42, 106-109.	3.9	9
5	Highly Ordered SnO ₂ Nanopillar Array as Binder-Free Anodes for Long-Life and High-Rate Li-Ion Batteries. <i>Nanomaterials</i> , 2021, 11, 1307.	4.1	12
6	Hardware-Friendly Stochastic and Adaptive Learning in Memristor Convolutional Neural Networks. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100041.	6.1	16
7	Probing Ultrafast Dynamics of Ferroelectrics by Time-Resolved Pump-Probe Spectroscopy. <i>Advanced Science</i> , 2021, 8, e2102488.	11.2	19
8	Large-scale multiferroic complex oxide epitaxy with magnetically switched polarization enabled by solution processing. <i>National Science Review</i> , 2020, 7, 84-91.	9.5	20
9	Highly Robust Flexible Ferroelectric Field Effect Transistors Operable at High Temperature with Low-Power Consumption. <i>Advanced Functional Materials</i> , 2020, 30, 1906131.	14.9	32
10	Muscovite mica as a universal platform for flexible electronics. <i>Journal of Materiomics</i> , 2020, 6, 455-457.	5.7	22
11	Flexible electronic synapse enabled by ferroelectric field effect transistor for robust neuromorphic computing. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	57
12	Epitaxial array of Fe ₃ O ₄ nanodots for high rate high capacity conversion type lithium ion batteries electrode with long cycling life. <i>Nano Energy</i> , 2020, 74, 104876.	16.0	51
13	Highly Flexible and Twistable Freestanding Single Crystalline Magnetite Film with Robust Magnetism. <i>Advanced Functional Materials</i> , 2020, 30, 2003495.	14.9	42
14	Atomic-Scale insight into the reversibility of polar order in ultrathin epitaxial Nb:SrTiO ₃ /BaTiO ₃ heterostructure and its implication to resistive switching. <i>Acta Materialia</i> , 2020, 188, 23-29.	7.9	12
15	Crystallographically engineered hierarchical polydomain nanostructures in perovskite ferroelectric films. <i>Acta Materialia</i> , 2019, 171, 282-290.	7.9	10
16	Self-assembling epitaxial growth of a single crystalline CoFe ₂ O ₄ nanopillar array via dual-target pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4854-4860.	5.5	4
17	Tuning Fe concentration in epitaxial gallium ferrite thin films for room temperature multiferroic properties. <i>Acta Materialia</i> , 2018, 145, 488-495.	7.9	26
18	Synthesis and mechanical properties characterization of multiferroic BiFeO ₃ -CoFe ₂ O ₄ composite nanofibers. <i>Ceramics International</i> , 2018, 44, 11617-11621.	4.8	14

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19	Surface-step-terrace tuned second-order nonlinear optical coefficients of epitaxial ferroelectric BaTiO ₃ films. Journal of Materials Chemistry C, 2018, 6, 11679-11685.	5.5	11
20	Characterization of domain distributions by second harmonic generation in ferroelectrics. Npj Computational Materials, 2018, 4, .	8.7	25
21	Deterministic, Reversible, and Nonvolatile Low-Voltage Writing of Magnetic Domains in Epitaxial BaTiO ₃ /Fe ₃ O ₄ Heterostructure. ACS Nano, 2018, 12, 9558-9567.	14.6	43