

Gang Bai

List of Publications by Year in descending order

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25
papers

186
citations

1163117

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times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transitions and electrocaloric effects of (111)-oriented $K_{0.5}Na_{0.5}NbO_3$ epitaxial films: effect of external stress and misfit strains. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.5	0
2	Design and Research of Enhanced LED Performance Based on Graphical Substrate with Multilayer Hyperbolic Metamaterials. Plasmonics, 2021, 16, 1593-1604.	3.4	1
3	A separable nonlinear least squares approach for double-diode photovoltaic model parameter extraction. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	4
4	Properties of S-Functionalized Nitrogen-Based MXene (Ti_2NS_2) as a Hosting Material for Lithium-Sulfur Batteries. Nanomaterials, 2021, 11, 2478.	4.1	12
5	Sensing mechanism of hydrogen storage on Li, Na and K-decorated Ti_2C . Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
6	Inhomogeneous probe surface induced effect in Kelvin probe force microscopy. Journal of Applied Physics, 2020, 127, 184302.	2.5	1
7	Phase diagrams classification based on machine learning and phenomenological investigation of physical properties in $K_{1-x}Na_xNbO_3$ thin films. Journal of Applied Physics, 2020, 127, 154101.	2.5	9
8	Phenomenological analysis of elastocaloric effect in ferroelectric poly(vinylidene fluoride) (PVDF) thin films. Applied Physics Letters, 2019, 115, 102401.	2.5	6
9	Large negative piezocaloric effect: Uniaxial stress effect. Solid State Communications, 2019, 291, 11-14.	1.9	8
10	Microscopic observation of lateral and vertical charge transportation in Si nanocrystals sandwiched by amorphous SiC layers. AIP Advances, 2018, 8, 015224.	1.3	4
11	A generalized thermodynamic frame of magneto-electric-caloric coupling effects of single phase epitaxial multiferroic thin films. Ferroelectrics, 2018, 531, 186-195.	0.6	3
12	Bipolar transparent resistive switching based in a-IGZO/STO/a-IGZO structure for nonvolatile memory application. AIP Conference Proceedings, 2017, , .	0.4	0
13	A metal/Ba _{0.6} Sr _{0.4} TiO ₃ /SiO ₂ /Si single film device for charge trapping memory towards a large memory window. Applied Physics Letters, 2017, 110, 223501.	3.3	15
14	Physical properties in polydomain $c/a/c/a$ phase $PbTiO_3$ ferroelectric thick films: effect of thermal stresses. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2
15	Fabrication of Ordered SnO_2 Nanostructures with Enhanced Humidity Sensing Performance. Sensors, 2017, 17, 2392.	3.8	32
16	Organic Vapour Sensing Properties of Area-Ordered and Size-Controlled Silicon Nanopillar. Sensors, 2016, 16, 1880.	3.8	8
17	Depth-dependent humidity sensing properties of silicon nanopillar array. Sensors and Actuators B: Chemical, 2016, 237, 526-533.	7.8	15
18	Pyroelectric property of $SrTiO_3/Si$ ferroelectric-semiconductor heterojunctions near room temperature. Journal of Advanced Dielectrics, 2015, 05, 1550031.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Design of a 3-channel 5ÂGb/s/ch deserializer array for high-speed parallel links. Analog Integrated Circuits and Signal Processing, 2015, 82, 197-207.	1.4	1
20	The flexoelectric effect associated size dependent pyroelectricity in solid dielectrics. AIP Advances, 2015, 5, .	1.3	16
21	Effect of the out-of-plane stress on the properties of epitaxial SrTiO3 films with nano-pillar array on Si-substrate. Journal of Applied Physics, 2015, 118, 074101.	2.5	5
22	Highly Transparent Bipolar Resistive Switching Memory in Zr0.5Hf0.5O2 Films With Amorphous Semiconducting Inâ€“Gaâ€“Znâ€“O as Electrode. IEEE Transactions on Electron Devices, 2015, 62, 3244-3249.	3.0	3
23	Impact of thermal stress on the piezoelectric and dielectric properties of PbTiO3 thick films on various substrates. Journal of Applied Physics, 2014, 116, 054103.	2.5	7
24	A Σ-Δ fractional-N frequency synthesizer in 0.18µM CMOS technology. , 2014, , .		0
25	Phenomenological analysis of phase transitions in epitaxial perovskite ferroelectric thin films. Physica B: Condensed Matter, 2010, 405, 1901-1907.	2.7	26