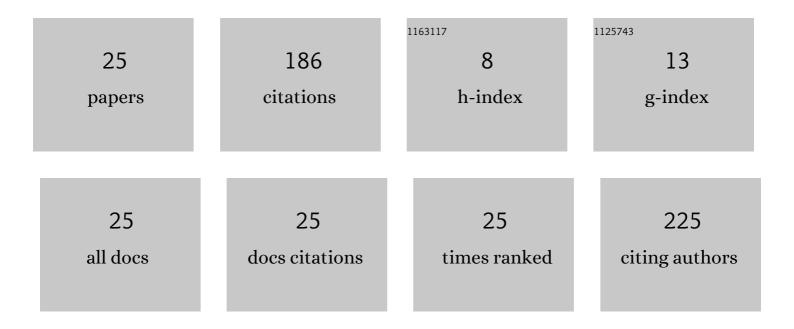
## Gang Bai

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fabrication of Ordered SnO2 Nanostructures with Enhanced Humidity Sensing Performance. Sensors, 2017, 17, 2392.	3.8	32
2	Phenomenological analysis of phase transitions in epitaxial perovskite ferroelectric thin films. Physica B: Condensed Matter, 2010, 405, 1901-1907.	2.7	26
3	The flexoelectric effect associated size dependent pyroelectricity in solid dielectrics. AIP Advances, 2015, 5, .	1.3	16
4	Depth-dependent humidity sensing properties of silicon nanopillar array. Sensors and Actuators B: Chemical, 2016, 237, 526-533.	7.8	15
5	A metal/Ba0.6Sr0.4TiO3/SiO2/Si single film device for charge trapping memory towards a large memory window. Applied Physics Letters, 2017, 110, 223501.	3.3	15
6	Properties of S-Functionalized Nitrogen-Based MXene (Ti2NS2) as a Hosting Material for Lithium-Sulfur Batteries. Nanomaterials, 2021, 11, 2478.	4.1	12
7	Phase diagrams classification based on machine learning and phenomenological investigation of physical properties in K1 â~ xNaxNbO3 thin films. Journal of Applied Physics, 2020, 127, 154101.	2.5	9
8	Organic Vapour Sensing Properties of Area-Ordered and Size-Controlled Silicon Nanopillar. Sensors, 2016, 16, 1880.	3.8	8
9	Large negative piezocaloric effect: Uniaxial stress effect. Solid State Communications, 2019, 291, 11-14.	1.9	8
10	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
11	Phenomenological analysis of elastocaloric effect in ferroelectric poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Ove	erlock 10 1 2.5	Tf 50 342 Td
12	Sensing mechanism of hydrogen storage on Li, Na and K-decorated Ti2C. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
13	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
14	Microscopic observation of lateral and vertical charge transportation in Si nanocrystals sandwiched by amorphous SiC layers. AIP Advances, 2018, 8, 015224.	1.3	4
15	A separable nonlinear least squares approach for double-diode photovoltaic model parameter extraction. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	4
16	Highly Transparent Bipolar Resistive Switching Memory in Zr0.5Hf0.5O2 Films With Amorphous Semiconducting In–Ga–Zn–O as Electrode. IEEE Transactions on Electron Devices, 2015, 62, 3244-3249.	3.0	3
17	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
18	Pyroelectric property of SrTiO <sub>3</sub> /Si ferroelectric-semiconductor heterojunctions near room temperature. Journal of Advanced Dielectrics, 2015, 05, 1550031.	2.4	2

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#	Article	IF	CITATIONS
19	Physical properties in polydomain c/a/c/a phase PbTiO3 ferroelectric thick films: effect of thermal stresses. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2
20	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
21	Inhomogeneous probe surface induced effect in Kelvin probe force microscopy. Journal of Applied Physics, 2020, 127, 184302.	2.5	1
22	Design and Research of Enhanced LED Performance Based on Graphical Substrate with Multilayer Hyperbolic Metamaterials. Plasmonics, 2021, 16, 1593-1604.	3.4	1
23	A Σ-Δ fractional-N frequency synthesizer in 0.18µM CMOS technology. , 2014, , .		0
24	Bipolar transparent resistive switching based in a-IGZO/STO/a-IGZO structure for nonvolatile memory application. AIP Conference Proceedings, 2017, , .	0.4	0
25	Phase transitions and electrocaloric effects of (111)-oriented K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> epitaxial films: effect of external stress and misfit strains. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.5	0