

Bangmin Zhang

List of Publications by Year in descending order

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papers

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times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite Light-Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. <i>Advanced Materials</i> , 2021, 33, e2006302.	21.0	16
2	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30137-30145.	8.0	10
3	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021, 11, 2100968.	19.5	40
4	Evolvement of atomic diffusion and corresponding effect in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ superlattice. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21483-21491.	2.2	0
5	Donor-Acceptor Competition via Halide Vacancy Filling for Oxygen Detection of High Sensitivity and Stability by All-Inorganic Perovskite Films. <i>Small</i> , 2021, 17, 2102733.	10.0	3
6	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ superlattice. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26717-26726.	10.3	2
7	Tuning Irreversible Magnetoresistance in $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Film via Octahedral Rotation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43222-43230.	8.0	4
8	Correlation of microstructure with magnetic properties in $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19875-19882.	2.2	2
9	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in $\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35588-35597.		10
10	Interface-based tuning of Rashba spin-orbit interaction in asymmetric oxide heterostructures with 3d electrons. <i>Nature Communications</i> , 2019, 10, 3052.	12.8	51
11	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{SrTiO}_3$ superlattice. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10000-10000.	3.2	24
12	Investigation of non-local screening in K-edge XANES for $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ under high pressure. <i>Journal of Alloys and Compounds</i> , 2019, 792, 108-115.	5.5	3
13	Control of magnetic anisotropy by orbital hybridization with charge transfer in $(\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3)_n/(\text{SrTiO}_3)_n$ superlattice. <i>NPG Asia Materials</i> , 2018, 10, 931-942.	7.9	15
14	Epitaxial Ferroelectric $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Thin Films and Their Implementations in Memristors for Brain-Inspired Computing. <i>Advanced Functional Materials</i> , 2018, 28, 1806037.	14.9	138
15	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	14.9	18
16	Hydrogen-Bonding Evolution during the Polymorphic Transformations in $\text{CH}_3\text{NH}_3\text{PbBr}_3$: Experiment and Theory. <i>Chemistry of Materials</i> , 2017, 29, 5974-5981.	6.7	80
17	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/ Fe_3O_4 Nanocomposite Films with High Transparency and High Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19001-19010.	8.0	55
18	Interfacial Coupling and Polarization of Perovskite ABO ₃ Heterostructures. <i>Microscopy and Microanalysis</i> , 2017, 23, 1586-1587.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Effects of strain relaxation in Pr _{0.67} Sr _{0.33} MnO ₃ films probed by polarization dependent X-ray absorption near edge structure. Scientific Reports, 2016, 6, 19886.	3.3	12
20	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. Nano Letters, 2016, 16, 4174-4180.	9.1	24
21	Electric field-induced strain effects on the magnetization of $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films. Applied Physics Letters, 2016, 109, 162401.	3.2	7
22	Temperature dependent electronic structure of Pr _{0.67} Sr _{0.33} MnO ₃ film probed by X-ray absorption near edge structure. Journal of Applied Physics, 2014, 115, 17E116.	2.5	6
23	Strain-modulated anisotropic electronic charge transfer in perovskite $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films. Applied Physics Letters, 2016, 109, 162401.	3.2	20
24	Electric-Field Effect on Magnetic Properties of FePt/PZN-PT Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 4402-4404.	2.1	3
25	Magnetic properties of oblique deposited (FeCoNiNbB) _x (SiO ₂) _{1-x} granular films in a wide x range. Europhysics Letters, 2010, 89, 26007.	2.0	0
26	Investigation of magnetic properties for oblique deposited granular films by magnetic field annealing. Applied Surface Science, 2010, 256, 6168-6171.	6.1	5
27	Influence of Oxygen Flow Rate on the Morphology and Magnetism of SnO ₂ Nanostructures. Journal of Physical Chemistry C, 2010, 114, 7541-7547.	3.1	85
28	Fabrication and Magnetic Properties of $\text{Fe}_{65}\text{Co}_{35}\text{B}_2\text{O}_3$ Granular Films for High Frequency Application. IEEE Transactions on Magnetics, 2009, 45, 2770-2772.	2.1	9
29	High-frequency FeCoNiNbB/SiO ₂ nano-granular films with high resistivity and adjustable resonance frequency from 1.3 to 7.8 GHz. Applied Physics A: Materials Science and Processing, 2009, 97, 657-661.	2.3	8
30	Fabrication, magnetism and high frequency application of exchange-coupled Fe ₆₅ Co ₃₅ ±2/SiO _{1.7} ±0.2 granular films. Applied Surface Science, 2008, 254, 2556-2561.	6.1	6
31	Room temperature ferromagnetism of Mn-doped SnO ₂ thin films fabricated by sol-gel method. Applied Surface Science, 2008, 254, 7459-7463.	6.1	69
32	Fabrication and magnetism of Fe ₆₅ Co ₃₅ -MgF ₂ granular films for high frequency application. Journal of Applied Physics, 2008, 103, 113901.	2.5	21
33	CH ₃ NH ₃ ⁺ and Pb Immobilization Through PbI ₂ Binding by Organic Molecule Doping for Homogeneous Organometal Halide Perovskite Films. Journal of Materials Chemistry A, 0, , .	10.3	1