Bangmin Zhang

List of Publications by Year
in descending order

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33	748	623734	526287
papers	citations	14 h-index	27 g-index

33	33	33	1338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epitaxial Ferroelectric Hf_{0.5}Zr_{0.5}O₂ Thin Films and Their Implementations in Memristors for Brainâ€Inspired Computing. Advanced Functional Materials, 2018, 28, 1806037.	14.9	138
2	Influence of Oxygen Flow Rate on the Morphology and Magnetism of SnO₂ Nanostructures. Journal of Physical Chemistry C, 2010, 114, 7541-7547.	3.1	85
3	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH₃NH₃PbBr₃: Experiment and Theory. Chemistry of Materials, 2017, 29, 5974-5981.	6.7	80
4	Room temperature ferromagnetism of Mn-doped SnO2 thin films fabricated by solâ€“gel method. Applied Surface Science, 2008, 254, 7459-7463.	6.1	69
5	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/Fe₃O₄ Nanocomposite Films with High Transparency and High Mechanical Flexibility. ACS Applied Materials & Interfaces, 2017, 9, 19001-19010.	8.0	55
6	Interface-based tuning of Rashba spin-orbit interaction in asymmetric oxide heterostructures with 3d electrons. Nature Communications, 2019, 10, 3052.	12.8	51
7	Conductivity Modulation of 3Dâ€Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahighâ€Current Oxygen Evolution. Advanced Energy Materials, 2021, 11, 2100968.	19.5	40
8	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. Nano Letters, 2016, 16, 4174-4180.	9.1	24
9	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub><mml:mi>Mn</mml:mi><mml:ms	3.2	24
10	Fabrication and magnetism of Fe65Co35-MgF2 granular films for high frequency application. Journal of Applied Physics, 2008, 103, 113901.	2.5	21
11	Strain modulated anisotropic electronic charge transfer in perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Pr</mml:mi><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="no	3.2	20
12	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. Advanced Functional Materials, 2018, 28, 1801766.	14.9	18
13	Perovskite Lightâ€Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	21.0	16
14	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La0.67Sr0.33MnO3)n/(SrTiO3)n superlattice. NPG Asia Materials, 2018, 10, 931-942.	7.9	15
15	Effects of strain relaxation in Pr0.67Sr0.33MnO3 films probed by polarization dependent X-ray absorption near edge structure. Scientific Reports, 2016, 6, 19886.	3.3	12
16	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZr_{0.52}Ti_{0.48}O₃/La_{0.67}Sr_{0.33}MnO₃ Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 35588-35597.	8.0	10
17	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin La_{0.67}Sr_{0.33}MnO₃ Films. ACS Applied Materials & Interfaces, 2021, 13, 30137-30145.	8.0	10
18	Fabrication and Magnetic Properties of $\hbox{Fe}_{65}\hbox{Co}_{35}\hbox{-}\hbox{B}_{2}\hbox{O}_{3}$ Granular Films for High Frequency Application. IEEE Transactions on Magnetics, 2009, 45, 2770-2772.	2.1	9

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19	High-frequency FeCoNiNbBâ€“SiO2 nano-granular films with high resistivity and adjustable resonance frequency from 1.3 to 7.8ÂGHz. Applied Physics A: Materials Science and Processing, 2009, 97, 657-661.	2.3	8
20	Electric-field-induced strain effects on the magnetization of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub><mml:mi>Mn</mml:mi><mml:ms	3.2	7
21	Fabrication, magnetism and high frequency application of exchange-coupled Fe65Co35Â±2â€“SiO1.7Â±0.2 granular films. Applied Surface Science, 2008, 254, 2556-2561.	6.1	6
22	Temperature dependent electronic structure of Pr0.67Sr0.33MnO3 film probed by X-ray absorption near edge structure. Journal of Applied Physics, 2014, 115, 17E116.	2.5	6
23	Investigation of magnetic properties for oblique deposited granular films by magnetic field annealing. Applied Surface Science, 2010, 256, 6168-6171.	6.1	5
24	Tuning Irreversible Magnetoresistance in Pr_{0.67}Sr_{0.33}MnO₃ Film via Octahedral Rotation. ACS Applied Materials & Interfaces, 2020, 12, 43222-43230.	8.0	4
25	Electric-Field Effect on Magnetic Properties of FePt/PZN-PT Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 4402-4404.	2.1	3
26	Investigation of non-local screening in K-edge XANES for Pr0.67Sr0.33MnO3 under high pressure. Journal of Alloys and Compounds, 2019, 792, 108-115.	5.5	3
27	Donorâ€“Acceptor Competition via Halide Vacancy Filling for Oxygen Detection of High Sensitivity and Stability by Allâ€Inorganic Perovskite Films. Small, 2021, 17, 2102733.	10.0	3
28	Correlation of microstructure with magnetic properties in Pr0.67Sr0.33MnO3 thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 19875-19882.	2.2	2
29	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the La_{0.7}Sr_{0.3}MnO₃/SrTiO₃ superlattice. Journal of Materials Chemistry A, 2021, 9, 26717-26726.	10.3	2
30	Interfacial Coupling and Polarization of Perovskite ABO3 Heterostructures. Microscopy and Microanalysis, 2017, 23, 1586-1587.	0.4	1
31	CH₃NH₃⁺ and Pb Immobilization Through PbI₂ Binding by Organic Molecule Doping for Homogeneous Organometal Halide Perovskite Films. Journal of Materials Chemistry A, 0, , .	10.3	1
32	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
33	Evolvement of atomic diffusion and corresponding effect in La0.7Sr0.3MnO3/SrTiO3 superlattice. Journal of Materials Science: Materials in Electronics, 2021, 32, 21483-21491.	2.2	0