

Feng Chen

List of Publications by Year in descending order

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48
papers

836
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567281

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48
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48
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and mutation analysis of the hexameric P4 from <i>Pseudomonas aeruginosa</i> phage phiYY. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 42-49.	7.5	2
2	CaZrO ₃ -Mediated Structural Instability and Electrical Properties in Doped Ferroelectric (K,Na)NbO ₃ -LiTaO ₃ Films. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1250-1256.	4.3	2
3	Electrical property and phase transition analysis of KNN-based lead-free ferroelectric films. <i>Materials Research Express</i> , 2022, 9, 056403.	1.6	1
4	Structural mechanism of DNA recognition by the p204 HIN domain. <i>Nucleic Acids Research</i> , 2021, 49, 2959-2972.	14.5	11
5	Influence of growth oxygen pressure on the electrical properties and phase transformation of the epitaxial (K,Na)NbO ₃ -based lead-free ferroelectric films. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	3
6	Asymmetric interfaces and high-TC ferromagnetic phase in La _{0.67} Ca _{0.33} MnO ₃ /SrRuO ₃ superlattices. <i>Nano Research</i> , 2021, 14, 3621-3628.	10.4	6
7	Genetically encoded FRET fluorescent sensor designed for detecting MOF histone acetyltransferase activity in vitro and in living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5453-5461.	3.7	4
8	Anisotropic terahertz transmission induced by the external magnetic field in La _{0.67} Ca _{0.33} MnO ₃ film. <i>Structural Dynamics</i> , 2021, 8, 054301.	2.3	2
9	Effect of gamma irradiation on (K,Na,Li)(Ta,Nb)O ₃ CaZrO ₃ lead-free ferroelectric film grown on La _{0.67} Ba _{0.33} MnO ₃ and La _{0.67} Ca _{0.33} MnO ₃ conductive oxide electrode. <i>Journal of Alloys and Compounds</i> , 2020, 826, 152148.	5.5	1
10	Robust Ferroelectric Properties in (K,Na)NbO ₃ -Based Lead-Free Films via a Self-Assembled Nanocomposite Approach. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4616-4624.	8.0	14
11	Enhanced Spin Transport of Conjugated Polymer in the Semiconductor/Insulating Polymer Blend. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2708-2716.	8.0	10
12	Misfit Relaxation Mechanisms and Domain Ordering in Anisotropically Strained Manganite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43281-43288.	8.0	1
13	Fabrication of the transparent ferroelectric heterostructures based on KNN-based lead-free films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 415301.	2.8	7
14	Uniaxial Strain-Controlled Ground States in Manganite Films. <i>Nano Letters</i> , 2020, 20, 1131-1140.	9.1	21
15	Screening of Nanobody Specific for Peanut Major Allergen Ara h 3 by Phage Display. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11219-11229.	5.2	20
16	X-ray crystal structure of putative transcription regulator lmo2088 from <i>Listeria monocytogenes</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 434-440.	2.1	5
17	Quantitative study of spin relaxation in rubrene thin films by inverse spin Hall effect. <i>Applied Physics Letters</i> , 2019, 115, 053301.	3.3	10
18	Electrochemical Reduction of Undoped and Cobalt-Doped BiFeO ₃ Induced by Water Exposure: Quantitative Determination of Reduction Potentials and Defect Energy Levels Using Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7071-7076.	4.6	14

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19	Tuning electrical properties and phase transitions through strain engineering in lead-free ferroelectric $K_{0.5}Na_{0.5}NbO_3$ - $LiTaO_3$ - $CaZrO_3$ thin films. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
20	Tuning antiferromagnetic interlayer exchange coupling in $La_{0.67}Ca_{0.33}MnO_3$ -based synthetic antiferromagnets. <i>APL Materials</i> , 2019, 7, .	5.1	4
21	Interfacial Engineering of Ferromagnetism in Epitaxial Manganite/Ruthenate Superlattices via Interlayer Chemical Doping. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10399-10408.	8.0	5
22	Effect of neutron irradiation on $(K,Na,Li)(Ta,Nb)O_3$ - $CaZrO_3$ lead-free ferroelectric thin film with different oxide electrodes. <i>Journal of Alloys and Compounds</i> , 2019, 788, 30-35.	5.5	1
23	Control of ferromagnetism and magnetic anisotropy via tunable electron correlation and spin-orbital coupling in $La_{0.67}Ca_{0.33}MnO_3/Ca(Ir,Ru)O_3$ superlattices. <i>Applied Physics Letters</i> , 2018, 113, 231601.	3.3	10
24	Structural and electrical properties of epitaxial perovskite $Ca_{1-x}Ru_xO_3$ thin films. <i>Journal of Applied Physics</i> , 2018, 124, 125308.	2.5	2
25	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37298-37306.	8.0	36
26	Purification, Characterization, and Crystal Structure of Parvalbumins, the Major Allergens in <i>Mustelus griseus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8150-8159.	5.2	2
27	Synthetic Antiferromagnets with Steplike Hysteresis Loops and High- T_C Based on All-Perovskite $La_{0.7}Ca_{0.3}MnO_3/SrRu_{1-x}Ti_xO_3$ Superlattices. <i>Physical Review Applied</i> , 2018, 10, .	3.3	8
28	Antiferromagnetic interlayer exchange coupling in all-perovskite $La_{0.7}Sr_{0.3}MnO_3/SrRu_{1-x}Ti_xO_3$ superlattices. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	8
29	All-oxide-based synthetic antiferromagnets exhibiting layer-resolved magnetization reversal. <i>Science</i> , 2017, 357, 191-194.	12.6	73
30	Comparative study on the roles of anisotropic epitaxial strain and chemical doping in inducing the antiferromagnetic insulator phase in manganite films. <i>Physical Review Materials</i> , 2017, 1, .	2.4	3
31	Enhanced conductivity and metal-insulator transition of ultrathin $CaRuO_3$ in superlattices. <i>Materials Research Express</i> , 2016, 3, 126403.	1.6	3
32	Interfacial Control of Ferromagnetism in Ultrathin $La_{0.67}Ca_{0.33}MnO_3$ Sandwiched between $CaRu_{1-x}Ti_xO_3$ ($x = 0-0.8$) Epilayers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34924-34932.	8.0	12
33	Intergranular Stress Induced Phase Transition in $CaZrO_3$ Modified KNN-Based Lead-Free Piezoelectrics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1372-1376.	3.8	36
34	Ferroelectric, dielectric and leakage current properties of epitaxial $(K,Na)NbO_3$ - $LiTaO_3$ - $CaZrO_3$ thin films. <i>Journal of Electroceramics</i> , 2015, 34, 249-254.	2.0	12
35	Excellent spin transport in spin valves based on the conjugated polymer with high carrier mobility. <i>Scientific Reports</i> , 2015, 5, 9355.	3.3	50
36	Energy band alignment at ferroelectric/electrode interface determined by photoelectron spectroscopy. <i>Chinese Physics B</i> , 2014, 23, 017702.	1.4	8

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37	Enhancing the orthorhombicity and antiferromagnetic-insulating state in epitaxial La _{0.67} Ca _{0.33} MnO ₃ /NdGaO ₃ (001) films by inserting a SmFeO ₃ buffer layer. Journal of Applied Physics, 2014, 116, 203706.	2.5	4
38	Intrinsic energy band alignment of functional oxides. Physica Status Solidi - Rapid Research Letters, 2014, 8, 571-576.	2.4	60
39	Anisotropic-strain-controlled metal-insulator transition in epitaxial NdNiO ₃ films grown on orthorhombic NdGaO ₃ substrates. Applied Physics Letters, 2013, 103, .	3.3	21
40	Polarization dependence of Schottky barrier heights at interfaces of ferroelectrics determined by photoelectron spectroscopy. Physical Review B, 2012, 86, .	3.2	74
41	PbTiO ₃ /SrTiO ₃ interface: Reduction-induced Fermi level pinning at the interfaces between Pb(Zr,Ti)O ₃ and Pt, Cu and Ag metal electrodes. Journal Physics D: Applied Physics, 2011, 44, 255301.	3.2	59
42	Reduction-induced Fermi level pinning at the interfaces between Pb(Zr,Ti)O ₃ and Pt, Cu and Ag metal electrodes. Journal Physics D: Applied Physics, 2011, 44, 255301.	2.8	43
43	Effect of electrode configurations on the process-induced imprint behavior of epitaxial Pb(Zr _{0.52} Ti _{0.48})O ₃ capacitors. Applied Physics Letters, 2010, 96, .	3.3	14
44	Transparent and conductive oxide films of the perovskite La _x Sr _{1-x} SnO ₃ (x ≈ 0.15): epitaxial growth and application for transparent heterostructures. Journal Physics D: Applied Physics, 2010, 43, 035403.	2.8	21
45	Barrier heights, polarization switching, and electrical fatigue in Pb(Zr,Ti)O ₃ ceramics with different electrodes. Journal of Applied Physics, 2010, 108, .	2.5	39
46	Formation and modification of Schottky barriers at the PZT/Pt interface. Journal Physics D: Applied Physics, 2009, 42, 215302.	2.8	36
47	Fabrication of epitaxial and transparent Pb(Zr _{0.52} Ti _{0.48})O ₃ ferroelectric capacitors with La _{0.07} Sr _{0.93} SnO ₃ electrodes. Applied Physics Letters, 2007, 90, 082904.	3.3	7
48	Polarization switching and fatigue in Pb(Zr _{0.52} Ti _{0.48})O ₃ films sandwiched by oxide electrodes with different carrier types. Applied Physics Letters, 2007, 90, 192907.	3.3	37