Mao Ye

List of Publications by Year in descending order

39 papers	1,357 citations	430442 18 h-index	329751 37 g-index
39 all docs	39 docs citations	39 times ranked	2009 citing authors

#	Article	IF	Citations
1	Giant Electric Energy Density in Epitaxial Leadâ€Free Thin Films with Coexistence of Ferroelectrics and Antiferroelectrics. Advanced Electronic Materials, 2015, 1, 1500052.	2.6	195
2	Large Energy Storage Density and High Thermal Stability in a Highly Textured (111)-Oriented Pb_{0.8}Ba_{0.2}ZrO₃ Relaxor Thin Film with the Coexistence of Antiferroelectric and Ferroelectric Phases. ACS Applied Materials & Interfaces, 2015, 7, 13512-13517.	4.0	185
3	Ferroelectricâ€Enhanced Polysulfide Trapping for Lithiumâ€“Sulfur Battery Improvement. Advanced Materials, 2017, 29, 1604724.	11.1	149
4	Effect of <scp><scp>Eu</scp></scp> Doping on the Electrical Properties and Energy Storage Performance of <scp><scp>PbZrO</scp>₃</scp> Antiferroelectric Thin Films. Journal of the American Ceramic Society, 2011, 94, 3234-3236.	1.9	100
5	Transparent Indium Tin Oxide Electrodes on Muscovite Mica for High-Temperature-Processed Flexible Optoelectronic Devices. ACS Applied Materials & Interfaces, 2016, 8, 28406-28411.	4.0	83
6	Black phosphorus quantum dots as dual-functional electron-selective materials for efficient plastic perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 8886-8894.	5.2	80
7	A giant negative electrocaloric effect in Eu-doped PbZrO₃ thin films. Journal of Materials Chemistry C, 2016, 4, 3375-3378.	2.7	62
8	Origin of Ferroelectricity in Epitaxial Si-Doped HfO₂ Films. ACS Applied Materials & Interfaces, 2019, 11, 4139-4144.	4.0	48
9	van der Waals epitaxy of Al-doped ZnO film on mica as a flexible transparent heater with ultrafast thermal response. Applied Physics Letters, 2018, 112, .	1.5	43
10	Upconversion emission enhancement in Er3+/Yb3+-codoped BaTiO3 nanocrystals by tridoping with Li+ ions. Optics Communications, 2011, 284, 2046-2049.	1.0	40
11	Electrical and Energy Storage Performance of <scp><scp>Eu</scp></scp>â€Doped <scp><scp>PbZrO</scp></scp>₃ Thin Films with Different Gradient Sequences. Journal of the American Ceramic Society, 2012, 95, 1486-1488.	1.9	40
12	Epitaxial ferroelectric Hf_{0.5}Zr_{0.5}O₂ thin film on a buffered YSZ substrate through interface reaction. Journal of Materials Chemistry C, 2018, 6, 9224-9231.	2.7	38
13	High dielectric tunability, electrostriction strain and electrocaloric strength at a tricritical point of tetragonal, rhombohedral and pseudocubic phases. Journal of Alloys and Compounds, 2015, 646, 597-602.	2.8	23
14	Flexoelectric behavior in PIN-PMN-PT single crystals over a wide temperature range. Applied Physics Letters, 2017, 111, .	1.5	23
15	Superâ€Flexible Freestanding BiMnO₃ Membranes with Stable Ferroelectricity and Ferromagnetism. Advanced Science, 2021, 8, e2102178.	5.6	23
16	Effect of oxygen pressure on pulsed laser deposited WO3 thin films for photoelectrochemical water splitting. Journal of Alloys and Compounds, 2017, 722, 913-919.	2.8	21
17	Effect of Nb doping on preferential orientation, phase transformation behavior and electrical properties of PbZrO3 thin films. Journal of Alloys and Compounds, 2012, 541, 99-103.	2.8	19
18	Electric Polarization Switching on an Atomically Thin Metallic Oxide. Nano Letters, 2021, 21, 144-150.	4.5	19

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19	Origin of colossal dielectric response in (Inâ€‰+â€‰Nb) co-doped TiO2 rutile ceramics: a potential electrothermal material. Scientific Reports, 2017, 7, 10144.	1.6	18
20	Tailoring the negative electrocaloric effect of PbZrO3 antiferroelectric thin films by Yb doping. Journal of Alloys and Compounds, 2020, 830, 154581.	2.8	15
21	Exchange bias in flexible freestanding La0.7Sr0.3MnO3/BiFeO3 membranes. Applied Physics Letters, 2020, 117, .	1.5	14
22	Effects of temperature and electric field on upconversion luminescence in Er³⁺â€Yb³⁺ codoped Ba_{0.8}Sr_{0.2}TiO₃ ferroelectric ceramics. Journal of the American Ceramic Society, 2017, 100, 4661-4669.	1.9	13
23	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO_{3âˆ’Î´} Thin Films. Chemistry of Materials, 2019, 31, 6117-6123.	3.2	13
24	Epitaxial ultrathin Au films on transparent mica with oxide wetting layer applied to organic light-emitting devices. Applied Physics Letters, 2019, 114, 081902.	1.5	12
25	Growth and properties of (1âˆ’x)Pb(Zn1/3Nb2/3)O3â€“xPbTiO3 (x=0.07â€“0.11) ferroelectric single crystals by a top-seeded solution growth method. Ceramics International, 2015, 41, 14427-14434.	2.3	9
26	Highâ€Conductive Protonated Layered Oxides from H₂O Vaporâ€Annealed Brownmillerites. Advanced Materials, 2021, 33, e2104623.	11.1	9
27	Temperature-dependent reversible and irreversible processes in Nb-doped PbZrO3 relaxor ferroelectric thin films. Applied Physics Letters, 2015, 107, .	1.5	8
28	Synthesis of ferroelectric KNbO 3 nanosheets by liquid exfoliation of layered perovskite K 2 NbO 3 F. Journal of Alloys and Compounds, 2017, 698, 357-363.	2.8	8
29	Ferroelectricity and Ferromagnetism Achieved via Adjusting Dimensionality in BiFeO₃/BiMnO₃ Superlattices. ACS Applied Materials & Interfaces, 2021, 13, 41315-41322.	4.0	8
30	A Diagram of the Structure Evolution of Pb(Zn1/3Nb2/3) O3-9%PbTiO3 Relaxor Ferroelectric Crystals with Excellent Piezoelectric Properties. Crystals, 2017, 7, 130.	1.0	6
31	Large photoelectrochemical activity of flexible TiO2/SrRuO3 oxide heterojunction. Applied Surface Science, 2020, 504, 144544.	3.1	6
32	Strain-Induced Microstructure Damage in SrCoO_{3âˆ’Î´} Thin Films during the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 12696-12702.	2.5	5
33	Perpendicular Manganite Magnetic Tunnel Junctions Induced by Interfacial Coupling. ACS Applied Materials & Interfaces, 2022, 14, 13883-13890.	4.0	5
34	Morphotropic domain structures and dielectric relaxation in piezo-/ferroelectric Pb(In1/2Nb1/2)O3â€“Pb(Zn1/3Nb2/3)O3â€“PbTiO3 single crystals. Journal of Crystal Growth, 2016, 441, 33-40.	0.7	4
35	Self-assembling epitaxial growth of a single crystalline CoFe₂O₄ nanopillar array via dual-target pulsed laser deposition. Journal of Materials Chemistry C, 2018, 6, 4854-4860.	2.7	4
36	Ferroelastic domain structure and phase transition in single-crystalline [PbZn1/3Nb2/3O3]1-x[PbTiO3]x observed via in situ x-ray microbeam. Journal of the European Ceramic Society, 2018, 38, 1488-1497.	2.8	4

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37	Variable supercells in layered bismuth manganite controlled by oxygen pressure. Applied Physics Letters, 2020, 117, .	1.5	3
38	High-Temperature Flexible Transparent Heater for Rapid Thermal Annealing of Thin Films. Physical Review Applied, 2022, 17, .	1.5	1
39	Oxygen controlled perpendicular magnetic anisotropy in LaCoO_{3â^'}_{Î´}/La_{0.7}Sr_{0.3}MnO₃/LaCoO_{3â^'}<sub> heterostructures. Applied Physics Letters, 2022, 120, 242902.	1.5	1