

Linglong Li

List of Publications by Year in descending order

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27
papers

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623734

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26
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1488
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Strain of Lead-Free Relaxor-Ferroelectric Piezoceramics by the Morphotropic Phase Boundary Modification. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	16
2	Engineering of multiferroic BiFeO ₃ grain boundaries with head-to-head polarization configurations. <i>Science Bulletin</i> , 2021, 66, 771-776.	9.0	6
3	Enhanced Photoresponse in GeSe-Based Phototransistors by Ferroelectric Gating. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100111.	2.4	2
4	Construction of ternary core-shell Fe ₃ O ₄ @BaTiO ₃ /PVDF nanocomposites with enhanced permittivity and breakdown strength for energy storage. <i>Materials Chemistry and Physics</i> , 2021, 265, 124505.	4.0	12
5	Strain-Engineered Nano-Ferroelectrics for High-Efficiency Piezocatalytic Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16019-16026.	13.8	96
6	Strain-Engineered Nano-Ferroelectrics for High-Efficiency Piezocatalytic Overall Water Splitting. <i>Angewandte Chemie</i> , 2021, 133, 16155-16162.	2.0	16
7	Quantitative investigation of electromechanical coupling of potassium sodium niobate-based thin films. <i>Ceramics International</i> , 2020, 46, 9218-9224.	4.8	0
8	Tensor factorization for elucidating mechanisms of piezoresponse relaxation via dynamic Piezoresponse Force Spectroscopy. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	2
9	Interfacial strain driven magnetoelectric coupling in (111)-oriented self-assembled BiFeO ₃ /CoFe ₂ O ₄ thin films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3527-3535.	5.5	9
10	Reversible Domain-Wall-Motion-Induced Low-Hysteretic Piezoelectric Response in Ferroelectrics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15434-15440.	3.1	9
11	Machine learning-enabled identification of material phase transitions based on experimental data: Exploring collective dynamics in ferroelectric relaxors. <i>Science Advances</i> , 2018, 4, eaap8672.	10.3	54
12	Data mining for better material synthesis: The case of pulsed laser deposition of complex oxides. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	29
13	Direct Imaging of the Relaxation of Individual Ferroelectric Interfaces in a Tensile-Strained Film. <i>Advanced Electronic Materials</i> , 2017, 3, 1600508.	5.1	7
14	Studies on dielectric, optical, magnetic, magnetic domain structure, and resistance switching characteristics of highly c-axis oriented NZFO thin films. <i>Journal of Applied Physics</i> , 2017, 122, 033902.	2.5	13
15	Field enhancement of electronic conductance at ferroelectric domain walls. <i>Nature Communications</i> , 2017, 8, 1318.	12.8	32
16	Correlation between piezoresponse nonlinearity and hysteresis in ferroelectric crystals at the nanoscale. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	3
17	Novel lead-free ferroelectric film by ultra-small Ba _{0.8} Sr _{0.2} TiO ₃ nanocubes assembled for a large electrocaloric effect. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29033-29040.	2.8	18
18	Te inclusion-induced electrical field perturbation in CdZnTe single crystals revealed by Kelvin probe force microscopy. <i>Micron</i> , 2016, 88, 48-53.	2.2	6

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19	Single-domain multiferroic BiFeO ₃ films. Nature Communications, 2016, 7, 12712.	12.8	92
20	Isothermal phase transition and the transition temperature limitation in the lead-free (1-x)Bi _{0.5} Na _{0.5} TiO ₃ -xBaTiO ₃ system. Acta Materialia, 2016, 103, 746-753.	7.9	31
21	Direct Observation of Magnetic Field Induced Ferroelectric Domain Evolution in Self-Assembled Quasi (0-3) BiFeO ₃ /xCoFe ₂ O ₄ Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 442-448.	8.0	27
22	Piezoelectric properties of lead-free (Na _{0.5} Bi _{0.5}) _{0.95} Ba _{0.05} TiO ₃ thin films on polycrystalline nickel foils. Ceramics International, 2015, 41, S319-S322.	4.8	3
23	Anatomy of vertical heteroepitaxial interfaces reveals the memristive mechanism in Nb ₂ O ₅ -NaNbO ₃ thin films. Scientific Reports, 2015, 5, 9229.	3.3	10
24	Silver-Modified Nanosized Ferroelectrics as a Novel Photocatalyst. Small, 2015, 11, 202-207.	10.0	102
25	One-step growth of triangular silver nanoplates with predictable sizes on a large scale. Nanoscale, 2014, 6, 4513.	5.6	63
26	The enhanced magnetodielectric interaction of (1-x)Bi _{0.5} Na _{0.5} TiO ₃ /xCoFe ₂ O ₄ thin films. Materials Chemistry C, 2014, 2, 2545-2551.	5.5	60
27	Ferroelastic and strain glass transition in (1-x)(Bi _{0.5} Na _{0.5})TiO ₃ -xBaTiO ₃ solid solution. Europhysics Letters, 2012, 100, 17004.	2.0	20