Jie-Fang Li

List of Publications by Year
in descending order

56 papers	2,671 citations	218592 26 h-index	197736 49 g-index
58 all docs	58 docs citations	58 times ranked	1877 citing authors

#	Article	IF	Citations
1	Dephasing of transverse spin current in ferrimagnetic alloys. Physical Review B, 2021, 103, .	1.1	19
2	Self-assembled NaNbO3-Nb2O5 (ferroelectric-semiconductor) heterostructures grown on LaAlO3 substrates. Applied Physics Letters, 2012, 101, .	1.5	8
3	Domain rotation induced strain effect on the magnetic and magneto-electric response in CoFe2O4/Pb(Mg,Nb)O3-PbTiO3 heterostructures. Journal of Applied Physics, 2012, 111, 034108.	1.1	34
4	Phaseâ€controlled epitaxial growth of iron oxide thin films on MgO(001) and LaAlO₃(001) substrates. Physica Status Solidi - Rapid Research Letters, 2012, 6, 89-91.	1.2	2
5	Tunable magnetic anisotropy of CoFe₂O₄ nanopillar arrays released from BiFeO₃ matrix. Physica Status Solidi - Rapid Research Letters, 2012, 6, 92-94.	1.2	9
6	Magnetoelectric effect in crystallographically textured BaTiO3 films deposited on ferromagnetic metallic glass foils. Journal of Applied Physics, 2011, 109, .	1.1	24
7	Coaxial Multiferroic Nanorod Arrays. Journal of the American Ceramic Society, 2010, 93, 362-364.	1.9	5
8	Hybrid Twoâ€Phase Magnetic Nanorod Grains. Journal of the American Ceramic Society, 2010, 93, 3803-3807.	1.9	0
9	Twoâ€Phase Coexistence in Singleâ€Grain BaTiO₃â€“(Mn_{0.5}Zn_{0.5})Fe₂O₄ Composites, Via Solidâ€State Reaction. Journal of the American Ceramic Society, 2009, 92, 1552-1555.	1.9	28
10	Solid-state synthesis of perovskite-spinel nanocomposites. Journal of Materials Chemistry, 2009, 19, 4998.	6.7	26
11	Strong magnetoelectric charge coupling in stress-biased multilayer-piezoelectricâ•magnetostrictive composites. Journal of Applied Physics, 2007, 101, 124102.	1.1	32
12	Magnetoelectric effect in Terfenol-Dâ•Pb(Zr,TiO)3â•Î¼-metal laminate composites. Applied Physics Letters, 2006, 89, 122903.	1.5	67
13	Magnetoelectric coupling, efficiency, and voltage gain effect in piezoelectric-piezomagnetic laminate composites. Journal of Materials Science, 2006, 41, 97-106.	1.7	84
14	Electric-field-induced orthorhombic to monoclinic MB phase transition in [111] electric field cooled Pb(Mg1â•3Nb2â•3O3)â€“30%PbTiO3 crystals. Journal of Applied Physics, 2006, 100, 084102.	1.1	17
15	Magnetoelectric coupling, efficiency, and voltage gain effect in piezoelectric-piezomagnetic laminate composites. , 2006, , 97-106.		4
16	Push-pull mode magnetostrictive/piezoelectric laminate composite with an enhanced magnetoelectric voltage coefficient. Applied Physics Letters, 2005, 87, 062502.	1.5	195
17	Extremely low frequency response of magnetoelectric multilayer composites. Applied Physics Letters, 2005, 86, 102901.	1.5	101
18	Circumferential-mode, quasi-ring-type, magnetoelectric laminate compositeâ€”a highly sensitive electric current andâ•or vortex magnetic field sensor. Applied Physics Letters, 2005, 86, 182506.	1.5	88

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19	Magnetoelectric Laminate Composites â€“ Enhanced Magnetic Field Sensitivity, and High Voltage Gain. Materials Research Society Symposia Proceedings, 2005, 881, 1.	0.1	0
20	Vortex magnetic field sensor based on ring-type magnetoelectric laminate. Applied Physics Letters, 2004, 85, 2307-2309.	1.5	134
21	Vacuum response and gas leak detection in piezoelectrically driven sound-resonance cavity. Applied Physics Letters, 2004, 84, 4144-4146.	1.5	3
22	A longitudinal-longitudinal mode TERFENOL-Dâˆ•Pb(Mg1âˆ•3Nb2âˆ•3)O3â€“PbTiO3 laminate composite. Applied Physics Letters, 2004, 85, 5305-5306.	1.5	102
23	Circumferentially magnetized and circumferentially polarized magnetostrictive/piezoelectric laminated rings. Journal of Applied Physics, 2004, 96, 3382-3387.	1.1	70
24	Characterization of magnetoelectric laminate composites operated in longitudinal-transverse and transverseâ€“transverse modes. Journal of Applied Physics, 2004, 95, 2625-2630.	1.1	152
25	Longitudinal and transverse magnetoelectric voltage coefficients of magnetostrictive/ piezoelectric laminate composite: experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 794-799.	1.7	83
26	Tri-Duality Theory in Phase Transformations of Ferroelectric Crystals with Random Defects. Advances in Mechanics and Mathematics, 2004, , 67-84.	0.2	1
27	Longitudinal and transverse magnetoelectric voltage coefficients of magnetostrictive/piezoelectric laminate composite: theory. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1253-1261.	1.7	287
28	Ultrahigh magnetic field sensitivity in laminates of TERFENOL-D and Pb(Mg1/3Nb2/3)O3â€“PbTiO3 crystals. Applied Physics Letters, 2003, 83, 2265-2267.	1.5	279
29	Youngâ€™s modulus and hysteretic losses of 0.7Pb(Mg[sub 1/3]Nb[sub 2/3])O[sub 3]â€“0.3PbTiO[sub 3]: single versus polycrystalline forms. Journal of Applied Physics, 2003, 94, 7719.	1.1	14
30	Resonance acoustic field position sensor. Applied Physics Letters, 2003, 82, 4181-4183.	1.5	4
31	An acoustic position sensor. Review of Scientific Instruments, 2003, 74, 4863-4868.	0.6	4
32	Kinetics of polarization reversal in 0.7Pb(Mg1/3Nb2/3)O3â€“0.3PbTiO3: Heterogeneous nucleation in the vicinity of quenched random fields. Journal of Applied Physics, 2001, 90, 2995-3003.	1.1	55
33	Role of potassium comodification on domain evolution and electrically induced strains in La modified lead zirconate titanate ferroelectric ceramics. Journal of Applied Physics, 2000, 88, 3433-3438.	1.1	11
34	The influence of mobile vs. randomly quenched impurities on ferroelectric phase transformations. Ferroelectrics, 1998, 206, 275-291.	0.3	3
35	Coexistence of Relaxor and Normal Ferroelectric Phases in Morphotropic Phase Boundary Compositions of Lanthanumâ€Modified Lead Zirconate Titanate. Journal of the American Ceramic Society, 1998, 81, 557-564.	1.9	61
36	Incommensurately Modulated Polar Structures in Antiferroelectric Tinâ€Modified Lead Zirconate Titanate: II, Dependence of Structureâ€Property Relations on Tin Content. Journal of the American Ceramic Society, 1998, 81, 2225-2236.	1.9	19

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37	Role of defect distributions and mobility on ferroelectric phase transformations in lead zirconate titanate. Applied Physics Letters, 1997, 71, 1062-1064.	1.5	36
38	Observation of multiple electrically induced phase transitions and a decoupling of the induced strain and polarization in Sn-modified lead zirconate titanate. Applied Physics Letters, 1997, 71, 1472-1474.	1.5	9
39	Ferroelectric behaviours dominated by mobile and randomly quenched impurities in modified lead zirconatetitanate ceramics. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1997, 76, 59-74.	0.6	71
40	Observation of a sequence of domain-like states with increasing disorder in ferroelectrics. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 74, 395-406.	0.7	64
41	A new perspective of high Zr-content lead zirconate titanate. Ferroelectrics, 1996, 183, 311-319.	0.3	4
42	Domainlike Organizations in Ferroelectrics Containing Quenched Randomness. Materials Research Society Symposia Proceedings, 1996, 453, 419.	0.1	1
43	Mesostructure of Calcium Silicate Hydrate (C-S-H) Gels in Portland Cement Paste: Short-Range Ordering, Nanocrystallinity, and Local Compositional Order. Journal of the American Ceramic Society, 1996, 79, 1731-1744.	1.9	108
44	Effects of lanthanum modification on rhombohedral Pb(Zr_{1â^'x}Ti_x)O₃ ceramics: Part I. Transformation from normal to relaxor ferroelectric behaviors. Journal of Materials Research, 1996, 11, 618-625.	1.2	75
45	Effects of lanthanum modification on rhombohedral Pb(Zr_{1â^'x}Ti_x)O₃ ceramics: Part II. Relaxor behavior versus enhanced antiferroelectric stability. Journal of Materials Research, 1996, 11, 626-638.	1.2	46
46	Observation of frequency dependence in the electromechanical properties of ferroelectric thin-layers. Ferroelectrics, 1996, 184, 61-68.	0.3	2
47	Electrically Induced Shape Changes in Hardened Cement Pastes and Porous Silica Gels: The Dynamic Nature of Gel Pore Structures during Water Transport. Journal of the American Ceramic Society, 1995, 78, 3233-3243.	1.9	7
48	Incommensurately Modulated Polar Structures in Antiferroelectric Sn-Modified Lead Zirconate Titanate: The Modulated Structure and Its Influences on Electrically Induced Polarizations and Strains. Journal of the American Ceramic Society, 1995, 78, 2101-2112.	1.9	89
49	Anomalous Electromechanical Behavior of Portland Cement: Electro-osmotically-Induced Shape Changes. Journal of the American Ceramic Society, 1995, 78, 416-420.	1.9	10
50	Polarization switching mechanisms and electromechanical properties of La-modified lead zirconate titanate ceramics. Journal of Materials Research, 1995, 10, 926-938.	1.2	91
51	Frequency-dependent electromechanical properties for sol-gel deposited ferroelectric lead zirconate titanate thin layers: Thickness and processing effects. Journal of Materials Research, 1995, 10, 1435-1440.	1.2	28
52	The role of local compositional instability in mixed B-site cation relaxors. Ferroelectrics, 1994, 158, 381-386.	0.3	5
53	Electrically-Induced Strains in Sn-Modified Lead Zirconate Titanate. Materials Research Society Symposia Proceedings, 1994, 360, 3.	0.1	0
54	Electrically-induced shape changes in cement-based materials. , 0, , .		0

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55	Domain-like organizations in ferroelectrics containing quenched randomness. , 0, , .		0
56	Hierarchial symmetries in PZN-PT crystals due to symmetry reduction by domain averaging. , 0, , .		0