J-P Zhou

List of Publications by Year
in descending order

109 papers	2,242 citations	201674 27 h-index	254184 43 g-index
110 all docs	110 docs citations	110 times ranked	2356 citing authors

#	Article	IF	Citations
1	Magnetoelectric CoFe2O4âˆ•Pb(Zr0.52Ti0.48)O3 double-layer thin film prepared by pulsed-laser deposition. Applied Physics Letters, 2006, 88, 013111.	3.3	150
2	Dielectric, magnetic, and magnetoelectric properties of laminated PbZr0.52Ti0.48O3âˆ•CoFe2O4 composite ceramics. Journal of Applied Physics, 2006, 100, 094106.	2.5	112
3	Ferroelectric and Ferromagnetic Behavior of Pb(Zr0.52 Ti0.48)O3 -Co0.9 Zn0.1 Fe2 O4 Multilayered Thin Films Prepared via Solution Processing. Advanced Functional Materials, 2007, 17, 1333-1338.	14.9	104
4	Microstructure and Electrical Properties of Nonstoichiometric 0.94(Na_{0.5}Bi_{0.5+x})TiO₃â€“0.06BaTiO₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 198-205.	3.8	94
5	Dielectric, ferroelectric, piezoelectric properties and impedance analysis of nonstoichiometric (Bi0.5Na0.5)0.94+xBa0.06TiO3 ceramics. Journal of the European Ceramic Society, 2016, 36, 3995-4001.	5.7	76
6	Hydrothermal synthesis and properties of NiFe₂O₄@BaTiO₃composites with well-matched interface. Science and Technology of Advanced Materials, 2012, 13, 045001.	6.1	75
7	Influence of zinc concentration on structure, complex permittivity and permeability of Niâ€“Zn ferrites at high frequency. Journal of Magnetism and Magnetic Materials, 2016, 401, 370-377.	2.3	69
8	Large-scale growth and shape evolution of bismuth ferrite particles with a hydrothermal method. Materials Chemistry and Physics, 2011, 126, 560-567.	4.0	65
9	Multiferroic Pb(Zr0.52Ti0.48)O3â€“Co0.9Zn0.1Fe2O4 bilayer thin films via a solution processing. Applied Physics Letters, 2006, 89, 052904.	3.3	62
10	Grain size effect on the dielectric and magnetic properties of NiFe2O4 ceramics. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1798-1803.	2.7	54
11	Electrical, magnetic, and direct and converse magnetoelectric properties of (1â€ x)Pb(Zr 0.52 Ti 0.48)O 3 â€'(x)CoFe 2 O 4 (PZTâ€“CFO) magnetoelectric composites. Journal of Magnetism and Magnetic Materials, 2015, 378, 298-305.	2.3	51
12	Properties of high k gate dielectric gadolinium oxide deposited on Si (1 0 0) by dual ion beam deposition (DIBD). Journal of Crystal Growth, 2004, 270, 21-29.	1.5	43
13	Dielectric, magnetic and magnetoelectric properties of Ni0.5Zn0.5Fe2O4+Pb(Zr0.48Ti0.52)O3 composite ceramics. Ceramics International, 2014, 40, 5853-5860.	4.8	43
14	Magnetoelectric coupling in small Pb(Zr,Ti)O3/terfenol-D laminate composites. Journal of Applied Physics, 2009, 105, 063913.	2.5	41
15	Effects of substrate temperature and oxygen pressure on the magnetic properties and structures of CoFe2O4 thin films prepared by pulsed-laser deposition. Applied Surface Science, 2007, 253, 7456-7460.	6.1	40
16	Controllable synthesis of PbI2 nanocrystals viaÂaÂsurfactant-assisted hydrothermal route. Applied Physics A: Materials Science and Processing, 2010, 98, 299-304.	2.3	40
17	Magnetoelectric effects on ferromagnetic and ferroelectric phase transitions in multiferroic materials. Acta Materialia, 2014, 76, 355-370.	7.9	39
18	A uniform model for direct and converse magnetoelectric effect in laminated composite. Applied Physics Letters, 2014, 104, .	3.3	36

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19	Novel behaviors of single-crystalline BiFeO₃ nanorods hydrothermally synthesized under magnetic field. Journal of Materials Chemistry C, 2015, 3, 6924-6931.	5.5	36
20	Dielectric, ferromagnetic and maganetoelectric properties of BaTiO3â€“Ni0.7Zn0.3Fe2O4 composite ceramics. Materials Research Bulletin, 2013, 48, 4100-4104.	5.2	35
21	Comparative study on structure, dielectric, and piezoelectric properties of (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (Aâ€¯=â€¯Ca2+/Sr2+) ceramics: Effect of radii of A-site cations. Journal of the European Ceramic Society, 2018, 38, 3111-3117.	5.7	33
22	Inhomogeneous magnetoelectric coupling in Pb(Zr,Ti)O3/Terfenol-D laminate composite. Applied Physics Letters, 2008, 92, 062903.	3.3	31
23	Dielectric and magnetic properties of multiferroic BiFeO3 ceramics sintered with the powders prepared by hydrothermal method. Solid State Sciences, 2013, 19, 117-121.	3.2	31
24	Controlled Fabrication of K₂Ti₈O₁₇ Nanowires for Highly Efficient and Ultrafast Adsorption toward Methylene Blue. ACS Applied Materials & Interfaces, 2019, 11, 45531-45545.	8.0	31
25	Colossal dielectric constant and relaxation behaviors in Pr:SrTiO3 ceramics. Journal of Applied Physics, 2010, 107, .	2.5	30
26	Structure and phase transition of BiFeO3 cubic micro-particles prepared by hydrothermal method. Materials Research Bulletin, 2012, 47, 3630-3636.	5.2	30
27	One-step synthesis of NiTe₂ nanorods coated with few-layers MoS₂ for enhancing photocatalytic activity. Nanotechnology, 2017, 28, 495602.	2.6	30
28	Novel magnetic properties of CoTe nanorods and diversified CoTe₂ nanostructures obtained at different NaOH concentrations. Science and Technology of Advanced Materials, 2017, 18, 325-333.	6.1	29
29	Giant electric-field-induced magnetization in a magnetoelectric composite at high frequency. Applied Physics Letters, 2008, 93, 152501.	3.3	28
30	Magnetoelectric characteristics around resonance frequency under magnetic field in Pb(Zr,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	2.4	27
31	Enhancing magnetic field sensitivity and giant converse magnetoelectric effect in laminate composite of Terfenol-D and multilayer piezoelectric vibrator. Journal of Alloys and Compounds, 2014, 590, 46-49.	5.5	27
32	A new-type of semiconductor Na0.9Mg0.45Ti3.55O8: preparation, characterization and photocatalysis. Journal of Materials Chemistry A, 2014, 2, 20358-20366.	10.3	24
33	Magnetoelectric resonant characteristics in Pb(Zr,Ti)O3/Terfenol-D laminate composites. Journal of Applied Physics, 2008, 103, 103522.	2.5	22
34	Microwave dielectric properties of low temperature sintering Ca5Mn4(VO4)6 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7292-7296.	2.2	22
35	Microwave dielectric properties of CaV2O6 ceramics with low dielectric loss. Journal of Materials Science: Materials in Electronics, 2015, 26, 7719-7722.	2.2	21
36	Novel magnetic semiconductor Na₂Fe₂Ti₆O₁₆: synthesis, double absorption and strong adsorptive ability. Journal of Materials Chemistry A, 2017, 5, 17589-17600.	10.3	21

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37	Electric and magnetic properties of Pb(Zr0.52Ti0.48)O3â€“CoFe2O4 particle composite thin film on the SrTiO3 substrate. Materials Research Bulletin, 2008, 43, 3514-3520.	5.2	19
38	Effects of La on Dielectric and Piezoelectric Properties of Pb_{1â^'x}La_{2x/3}(Nb_{0.95}Ti_{0.0625})₂ O₆ Ceramics. Journal of the American Ceramic Society, 2009, 92, 1753-1757.	3.8	19
39	Novel magnetic properties of uniform NiTe nanorods selectively synthesized by hydrothermal method. Materials and Design, 2017, 117, 390-395.	7.0	19
40	Electric and magnetic properties of CoFe2O4/Pb(Zr0.52Ti0.48)O3 bilayer thin films prepared by pulsed-laser deposition. Applied Physics A: Materials Science and Processing, 2007, 89, 553-558.	2.3	18
41	Magnetodielectric effect and electric-induced magnetic permeability in magnetoelectric laminate composite under low inspiring signal. Journal of Applied Physics, 2013, 113, .	2.5	18
42	Symmetric relationships between direct and converse magnetoelectric effects in laminate composites. Composite Structures, 2016, 155, 107-117.	5.8	18
43	Novel Single-Crystal Hollandite K1.46Fe0.8Ti7.2O16 Microrods: Synthesis, Double Absorption, and Magnetism. Inorganic Chemistry, 2018, 57, 15187-15197.	4.0	18
44	Dielectric relaxation and giant dielectric constant of Nbâ€doped CaCu₃Ti₄O₁₂ ceramics under dc bias voltage. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 562-566.	1.8	16
45	Hot-press sintering K0.5Na0.5NbO3â€“0.5Âmol%Al2O3 ceramics with enhanced ferroelectric and piezoelectric properties. Journal of Materials Science, 2019, 54, 13457-13466.	3.7	15
46	Morphology and optical studies of Cr doped TiO2 and Mixed-Halide Perovskite coated rutile TiO2 nanorods. Journal of Alloys and Compounds, 2019, 773, 1154-1164.	5.5	15
47	Temperature-stable dielectric and energy storage properties of (0.94Bi0.47Na0.47Ba0.06TiO3-0.06BiAlO3)â€“NaNbO3 ceramics. Journal of Alloys and Compounds, 2020, 847, 156409.	5.5	15
48	The effects of indium doping on the electrical, magnetic, and magnetodielectric properties of M-type strontium hexaferrites. Journal of Magnetism and Magnetic Materials, 2021, 539, 168333.	2.3	14
49	Hydrothermal synthesis of Pb(Zr0Â·52Ti0Â·48)O3 powders at low temperature and low alkaline concentration. Bulletin of Materials Science, 2009, 32, 193-197.	1.7	13
50	Colossal magnetodielectric effect caused by magnetoelectric effect under low magnetic field. Bulletin of Materials Science, 2011, 34, 283-286.	1.7	13
51	Ambiguities on structure analysis of Feâ€“N thin films. Journal of Magnetism and Magnetic Materials, 2002, 238, 1-5.	2.3	12
52	Magnetic properties of ZnO-doped cobalt ferrite. Journal of Electroceramics, 2008, 21, 681-685.	2.0	12
53	Large converse magnetoelectric response in Rosen-type transformer and Terfenol-D laminated composite. Journal of Applied Physics, 2012, 111, .	2.5	12
54	Theoretical and experimental researches on NiS2 nanocubes with uniform reactive exposure facets. Materials Chemistry and Physics, 2018, 207, 194-202.	4.0	10

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55	Growth of MoS2 nanosheets on TiO2/g-C3N4 nanocomposites to enhance the visible-light photocatalytic ability. Journal of Materials Science: Materials in Electronics, 2019, 30, 5393-5403.	2.2	10
56	Hydrothermal Synthesis of Perovskite Bismuth Ferrite Crystallites with the Help of NH₄Cl. Journal of Nanoscience and Nanotechnology, 2012, 12, 6552-6557.	0.9	9
57	Ferroelectric, Ferromagnetic, and Magnetoelectric Properties of Multiferroic Ni0.5Zn0.5Fe2O4â€“BaTiO3 Composite Ceramics. Journal of Electronic Materials, 2014, 43, 1043-1047.	2.2	9
58	Microstructure and microwave-frequency electromagnetic properties of Ni0.4Zn0.6Fe2O4/Ba0.6Sr0.4TiO3 composites. Ceramics International, 2016, 42, 15585-15591.	4.8	9
59	Na2Fe2Ti6O16 as a hybrid co-catalyst on g-C3N4 to enhance the photocatalytic hydrogen evolution under visible light illumination. Applied Surface Science, 2020, 509, 145357.	6.1	9
60	Magnetodielectric mechanism and application of magnetoelectric composites. Journal of Magnetism and Magnetic Materials, 2022, 550, 169099.	2.3	9
61	Structure and soft magnetic properties of Fe-N thin films. IEEE Transactions on Magnetics, 2001, 37, 3844-3849.	2.1	8
62	Flower-like Pb(Zr0.52Ti0.48)O3 nanoparticles on the CoFe2O4 seeds. Journal of Crystal Growth, 2008, 310, 508-512.	1.5	8
63	First-principles study of the electronic structure of nonmetal-doped anatase TiO2. Journal of the Korean Physical Society, 2016, 68, 409-414.	0.7	8
64	The effects of magnetic field and polarization on the permeability and permittivity of (1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (â at high frequency. Journal Physics D: Applied Physics, 2018, 51, 055002.	2.8	8
65	Comprehensive analysis of direct and converse magnetoelectric effects in S-S mode bilayered composites. Journal of Magnetism and Magnetic Materials, 2020, 501, 166411.	2.3	8
66	Facile hydrothermal preparation, characterization and multifunction of rock salt-type LiTiO2. Journal of Alloys and Compounds, 2021, 872, 159759.	5.5	8
67	Anomalous temperature dependence of photoluminescence from stoichiometric GD2O3â^'x film. Journal of Crystal Growth, 2004, 260, 136-142.	1.5	7
68	Magnetoelectric coupling in antiferroelectric and magnetic laminate composites. Applied Physics A: Materials Science and Processing, 2011, 104, 461-464.	2.3	7
69	First-principles study of the structures and electronic band properties of Bi2Te3{11Ì„5} nanoribbons. AIP Advances, 2015, 5, .	1.3	7
70	Interface role in the enhanced photocatalytic activity of TiO2-Na0.9Mg0.45Ti3.55O8 nanoheterojunction. APL Materials, 2017, 5, 026104.	5.1	7
71	Improved ferroelectric and piezoelectric properties of (Na0.5K0.5)NbO₃ ceramics via sintering in low oxygen partial pressure atmosphere and adding LiF. Journal of Advanced Dielectrics, 2021, 11, 2150012.	2.4	7
72	Synthesis of orthorhombic and cubic PbF2 by hydrothermal method. Journal of Materials Science, 2010, 45, 1846-1853.	3.7	6

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73	Controlling voltage step-up ratio of Rosen-type transformer based on magnetoelectric coupling. Journal Physics D: Applied Physics, 2011, 44, 055002.	2.8	6
74	Preparation of Sb2S3 film on functional organic self-assembled monolayers by chemical bath deposition. Journal of Materials Science, 2011, 46, 700-706.	3.7	6
75	Plasmon-enhanced photocatalytic activity of Na_{0.9}Mg_{0.45}Ti_{3.55}O₈ loaded with noble metals directly observed with scanning Kelvin probe microscopy. Nanotechnology, 2018, 29, 305709.	2.6	6
76	Sintering process effect on the BaTiO3 ceramic properties with the hydrothermally prepared powders. Journal of Materials Science: Materials in Electronics, 2018, 29, 14883-14889.	2.2	6
77	Synergy of TiO₂/Na_{0.23}TiO₂ Heterojunction for Enhanced Photocatalysis. Crystal Research and Technology, 2018, 53, 1700153.	1.3	6
78	La2Ti2O7 nanosheets synthesized under magnetic field for ofloxacin ferrophotocatalytic degradation. Journal of Environmental Chemical Engineering, 2022, 10, 108088.	6.7	6
79	Direct observation of carrier migration in heterojunctions to discuss the pâ€“n and direct Z-scheme heterojunctions. Nanotechnology, 2022, 33, 425201.	2.6	6
80	Preparation of homogeneous microstructure pure lead metaniobate by two-step sintering. Electronic Materials Letters, 2014, 10, 139-142.	2.2	5
81	Effect of the Second Sintering Temperature on the Microstructure and Electrical Properties of PbNb2O6-0.5Âwt.%ZrO2 Obtained via a Two-Step Sintering Process. Journal of Electronic Materials, 2014, 43, 3630-3634.	2.2	5
82	Structure, dielectric and piezoelectric properties of (Pb0.945Bi0.027La0.01)(Nb0.95Ti0.0625)2O6 piezoelectric ceramics with high Curie temperature: effect of sintering atmospheres. Journal of Materials Science: Materials in Electronics, 2016, 27, 760-766.	2.2	5
83	Fabrication and enhanced photocatalytic properties of novel 3D MoS2/Na0.9Mg0.45Ti3.55O8 heterostructures. Applied Surface Science, 2018, 427, 733-741.	6.1	5
84	Comprehensive investigation on direct and converse magnetoelectric effects in longitudinally magnetized and polarized laminate composites by equivalent circuit and experiments. Journal of Materials Science: Materials in Electronics, 2018, 29, 17706-17713.	2.2	5
85	Electric and magnetic properties of some magnetodielectric composites at microwave frequency. Journal of Magnetism and Magnetic Materials, 2020, 501, 166410.	2.3	5
86	Comparative study on (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (A = Sr2+/Ca2+) lead-free ceramics: Scaling behavior of ferroelectric hysteresis loop. Applied Physics Letters, 2022, 120, .	3.3	5
87	GdxSi grown with mass-analyzed low energy dual ion beam epitaxy technique. Journal of Crystal Growth, 2002, 242, 389-394.	1.5	4
88	Photoluminescence behaviors from stoichiometric gadolinium oxide films. Journal of Applied Physics, 2003, 94, 4414-4419.	2.5	4
89	Origin of Large Phase Shift and Magnetoelectric Resonance in Magnetoelectric Laminate Composite. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	4
90	Twoâ€step hydrothermal fabrication of Na 0.23 TiO 2 nanofibers and enhanced photocatalysis after loaded with gold or silver determined by surface potentials. International Journal of Energy Research, 2019, 43, 4062-4073.	4.5	4

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91	Structure and properties of Zn-doped CoFe2O4 thin films via a solâ€“gel method. Journal of Electroceramics, 2008, 21, 686-689.	2.0	3
92	Modeling and magnetoelectric properties of laminate composite of nickel plate and piezoelectric multilayer vibrator. EPJ Applied Physics, 2014, 66, 20601.	0.7	3
93	Magnetoelectric anisotropy in laminate composite for detecting magnetic field. Functional Materials Letters, 2019, 12, 1850098.	1.2	3
94	Development of novel K0.8Ni0.4Ti1.6O4 nano bamboo leaves, microstructural characterization, double absorption, and photocatalytic removal of organic pollutant. Environmental Research, 2022, 211, 113118.	7.5	3
95	Effects of In Situ Heat Treatment on the Microstructure and Electronic Properties of Ba_{0.6}Sr_{0.4}TiO₃Thin Films. Ferroelectrics, 2016, 491, 134-142.	0.6	2
96	Structural, mechanical, and thermodynamic properties of R-3m ReB4 under high pressure. European Physical Journal B, 2019, 92, 1.	1.5	2
97	The surface reactivity and structural properties of anatase TiO2 (001), (100), (101) and (105) surface researched with DFT. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 193-197.	1.2	2
98	A first-principles prediction of an sp3 carbon allotrope comprising four-, five-, six-, and eight-member rings. Journal of Applied Physics, 2020, 127, 245112.	2.5	2
99	Magnetic properties of silicon doped with gadolinium. Applied Physics A: Materials Science and Processing, 2003, 77, 599-602.	2.3	1
100	Structural, interfacial, magnetic and dielectric properties of (1â^'x)(Mg 0.95 Zn 0.05) 2 (Ti 0.8 Sn 0.2)O 4 @xNi 0.4 Zn 0.6 Fe 2 O 4 composite at high frequency. Ceramics International, 2017, 43, 5427-5433.	4.8	1
101	The enhanced photocatalytic activity of Na0.9 Mg0.45 Ti3.55 O8 co-loaded with silver and platinum. International Journal of Energy Research, 2018, 42, 1056-1065.	4.5	1
102	Pressure effect on the mechanical and electronic properties of orthorhombic-C20. Modern Physics Letters B, 2018, 32, 1850380.	1.9	1
103	Direct and converse magnetoelectric effects of sandwiched composites worked in shear-shear mode studied by uniform equivalent circuit. AIP Advances, 2019, 9, 105315.	1.3	1
104	Charge transfer in SnS₂/Na_{0.9}Mg_{0.45}Ti_{3.55}O₈ heterojunction in photocatalytic process. Nanotechnology, 2021, 32, 025712.	2.6	1
105	Electric-field-induced resonant characteristics in bilayered and trilayered magnetoelectric composites. EPJ Applied Physics, 2010, 49, 30801.	0.7	0
106	Hydrothermal synthesis of perovskite bismuth ferrite crystallites with the help of NH<inf>4</inf>Cl. , 2010, , .		0
107	Novel Mg7V4O16(OH)2Â·H2O and Mg3(VO4)2: preparation, characterization, and performance as lithium-ion anode materials. Journal of Materials Science: Materials in Electronics, 2020, 31, 19931-19942.	2.2	0
108	Mechanical, electronic and thermodynamic properties of TE-C36 under high pressure. Molecular Physics, 2020, 118, e1739769.	1.7	0

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109	First-principles investigation of the structural, elastic, anisotropic and electronic properties of Pmma-carbon. Molecular Physics, 2021, 119, e1809729.	1.7	0