Gopalan Srinivasan

List of Publications by Year
in descending order

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269	13,572	44069 48	24258 110
papers	citations	h-index	g-index

278	278	278	6576
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetoelectric effect in Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo linebreak="badbreak" linebreakstyle="after">â^'</mml:mo><mml:mi mathvariant="normal">x</mml:mi></mml:mrow></mml:msub></mml:math>ZnxFe2O4/PZT thin film heterostructures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 426, 127897.	2.1	7
2	In-plane current induced nonlinear magnetoelectric effects in single crystal films of barium hexaferrite. Scientific Reports, 2022, 12, 5374.	3.3	5
3	Strain induced anisotropy in liquid phase epitaxy grown nickel ferrite on magnesium gallate substrates. Scientific Reports, 2022, 12, 7052.	3.3	0
4	Strain Control of Magnetic Anisotropy in Yttrium Iron Garnet Films in a Composite Structure with Yttrium Aluminum Garnet Substrate. Journal of Composites Science, 2022, 6, 203.	3.0	1
5	Controllable electric field tuning of anisotropic magnetic response of Ni/PMN-PT heterostructures. Applied Surface Science, 2021, 538, 147954.	6.1	6
6	Acoustically Driven Ferromagnetic Resonance in Diverse Ferromagnetic Thin Films. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	8
7	Non-reciprocal voltageâ€“current and impedance gyration effects in ferrite/piezoelectric toroidal magnetoelectric composites. Applied Physics Letters, 2021, 118, .	3.3	5
8	Nonlinear magnetoelectric effects in Al-substituted strontium hexaferrite. Scientific Reports, 2021, 11, 8733.	3.3	7
9	Disentangling the power transfer process by non-contact optical measurement in nickel-zinc ferrite/piezoelectric magnetoelectric gyrators. Journal of Magnetism and Magnetic Materials, 2021, 524, 167680.	2.3	9
10	High-resolution magnetic sensors in ferrite/piezoelectric heterostructure with giant magnetodielectric effect at zero bias field. Review of Scientific Instruments, 2021, 92, 045006.	1.3	4
11	Strain transfer in ferroelectric-ferrimagnetic magnetoelectric composite. Physical Review B, 2021, 103, .	3.2	8
12	Study of Electronic States in LaNiO₃/SrRuO₃ Bilayers: Interfaceâ€Induced Magnetism and Charge Transfer. Physica Status Solidi (B): Basic Research, 2021, 258, 2000527.	1.5	3
13	Evidence for strain control of magnetic anisotropy in epitaxial nickel ferrite thin films grown on strontium titanate substrates. Materials Research Bulletin, 2021, 138, 111214.	5.2	6
14	Effects of magnetic-elastic anisotropy on magnetoelectric gyrator with ferrite/PZT/ferrite laminate for enhancement of power conversion efficiencies. Journal of Magnetism and Magnetic Materials, 2021, 540, 168451.	2.3	3
15	Bi-stable magnetoelectric data flip-flop triggered by magnetic field. Journal of Materials Science: Materials in Electronics, 2021, 32, 2249-2257.	2.2	1
16	Strain-Mediated Magneto-Electric Effects in Coaxial Nanofibers of Y/W-Type Hexagonal Ferrites and Ferroelectrics. Journal of Composites Science, 2021, 5, 268.	3.0	3
17	Low-Frequency Magnetoelectric Effects in Magnetostrictiveâ€“Piezoelectric Bilayers: Longitudinal and Bending Deformations. Journal of Composites Science, 2021, 5, 287.	3.0	4
18	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8

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19	A Piezoelectric Mn-Doped PMN-PT/Metglas Magnetoelectric Gyrator: Enhanced Power Efficiency at Reduced Size. IEEE Sensors Journal, 2020, 20, 752-759.	4.7	5
20	Field-Orientation-Dependent Dynamic Strain Induced Anisotropic Magnetoelectric Responses in Bi-layered Ferrite/Piezoelectric Composites. Journal of Electronic Materials, 2020, 49, 1120-1130.	2.2	5
21	Strain effect on magnetoelectric coupling of epitaxial NFO/PZT heterostructure. Journal of Alloys and Compounds, 2020, 818, 152871.	5.5	20
22	Undistorted 180Â° phase reversal of magnetoelectric coupling in bi-layered multiferroic laminate. Journal of Magnetism and Magnetic Materials, 2020, 494, 165802.	2.3	4
23	Dimension effects of a magnetoelectric gyrator with FeCoSiB/Pb(Zr,Ti)O3 layered composites core for efficient power conversion. Sensors and Actuators A: Physical, 2020, 302, 111815.	4.1	4
24	Nonlinear magnetoelectric effects in Y-type hexaferrite microwave resonators. Journal of Applied Physics, 2020, 128, .	2.5	9
25	Strong Converse Magnetoelectric Effect in a Composite of Weakly Ferromagnetic Iron Borate and Ferroelectric Lead Zirconate Titanate. Physical Review Applied, 2020, 14, .	3.8	5
26	Unusual magnetic ordering transitions in nanoscale biphasic LuFeO3: the role of the orthoâ€“hexa phase ratio and the local structure. Journal of Materials Chemistry C, 2020, 8, 17000-17008.	5.5	2
27	Converse magneto-electric effects in a coreâ€“shell multiferroic nanofiber by electric field tuning of ferromagnetic resonance. Scientific Reports, 2020, 10, 20170.	3.3	7
28	Probing magnonâ€“magnon coupling in exchange coupled Y$$_3$$Fe$$_5$$O$$_{12}$$/Permalloy bilayers with magneto-optical effects. Scientific Reports, 2020, 10, 12548.	3.3	23
29	Magnetoelectric Effect in Three-Layer Asymmetric Structures in the Region of Bending Vibrational Modes. Physics of the Solid State, 2020, 62, 1338-1345.	0.6	3
30	Magnetoelectric and magnetostriction characteristics of symmetric three layered structures of nickel - lead zirconate titanate â€“ nickel and permendure â€“ lead zirconate titanate â€“ permendure. IOP Conference Series: Materials Science and Engineering, 2020, 939, 012023.	0.6	1
31	Strain-mediated magneto-electric interactions in hexagonal ferrite and ferroelectric coaxial nanofibers. MRS Communications, 2020, 10, 230-241.	1.8	6
32	Room temperature magnetoelectric coupling in Fe-doped sodium bismuth titanate ceramics. Journal of Alloys and Compounds, 2020, 830, 154679.	5.5	15
33	Thickness-dependence of magnetic anisotropy and domain structure in Ni thin films grown on a PMN-PT substrate. Smart Materials and Structures, 2020, 29, 095019.	3.5	7
34	Multiferroic Magnetoelectric Composites: Historical Perspective, Status, and Future Directions. , 2020, , 191-293.		2
35	Magneto-acoustic resonance in layered structure of ferrite and piezoelectric bimorph. Ferroelectrics, 2020, 569, 196-200.	0.6	1
36	Microwave Nonlinear Magnetoelectric Effect in Zn2Y Hexaferrite. , 2020, , .		0

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37	Power Conversion Efficiency and Equivalent Input Loss Factor in Magnetoelectric Gyrators. IEEE Transactions on Industrial Electronics, 2019, 66, 2499-2505.	7.9	21
38	Room temperature magnetoelectric coupling and relaxor-like multiferroic nature in a biphase of cubic pyrochlore and spinel. Journal of Applied Physics, 2019, 126, 044103.	2.5	6
39	Magneto-electric interactions in composites of self-biased Y- and W-type hexagonal ferrites and lead zirconate titanate: Experiment and theory. Journal of Applied Physics, 2019, 126, .	2.5	8
40	Theory of tunable magnetoelectric inductors in ferrite-piezoelectric layered composite. Journal Physics D: Applied Physics, 2019, 52, 165001.	2.8	12
41	Specific Features of the Magnetoelectric Effect in Permendurâ€“Quartzâ€“Permendur Structures in the Region of Electromechanical Resonance. Technical Physics Letters, 2019, 45, 436-438.	0.7	4
42	Magnetoelectric Interactions in Composites of Ferrite Films on Lattice-Matched Substrates and Ferroelectrics. Physical Review Applied, 2019, 11, .	3.8	17
43	Self-biased magnetoelectric gyrators in composite of samarium substituted nickel zinc ferrites and piezoelectric ceramics. AIP Advances, 2019, 9, .	1.3	14
44	Simultaneous Optical and Electrical Spin-Torque Magnetometry with Phase-Sensitive Detection of Spin Precession. Physical Review Applied, 2019, 11, .	3.8	14
45	Improved Tunability in Metglas/Ferrite/PZT Magnetoelectric Tunable Inductors. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	5
46	Studies of Multiferroic Palladium Perovskites. Scientific Reports, 2019, 9, 1685.	3.3	8
47	Magnetostriction via Magnetoelectricity: Using Magnetoelectric Response to Determine the Magnetostriction Characteristics of Composite Multiferroics. Technical Physics Letters, 2019, 45, 1152-1154.	0.7	4
48	Resonance magnetoelectric characteristics of Terfenol-D/Pb(Zr0.52Ti0.48)O3/Ni asymmetric three layered composites. IOP Conference Series: Materials Science and Engineering, 2019, 656, 012056.	0.6	2
49	An electric field controlled dual resonator magnetoâ€electric bandâ€stop filter. Microwave and Optical Technology Letters, 2019, 61, 873-877.	1.4	4
50	A dual-output magnetoelectric gyrator. Journal Physics D: Applied Physics, 2019, 52, 065003.	2.8	11
51	Highly efficient power conversion in magnetoelectric gyrators with high quality factor. Review of Scientific Instruments, 2019, 90, 015004.	1.3	12
52	Special issue on magnetoelectrics and their applications. Journal Physics D: Applied Physics, 2019, 52, 100301.	2.8	6
53	Magnetoelectric effects and power conversion efficiencies in gyrators with compositionally-graded ferrites and piezoelectrics. Journal of Magnetism and Magnetic Materials, 2019, 473, 131-135.	2.3	36
54	Converse magnetoelectric effects in composites of liquid phase epitaxy grown nickel zinc ferrite films and lead zirconate titanate: Studies on the influence of ferrite film parameters. Physical Review Materials, 2019, 3, .	2.4	9

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55	Nonlinear magnetoelectric effects at high magnetic field amplitudes in composite multiferroics. Journal Physics D: Applied Physics, 2018, 51, 154003.	2.8	30
56	Self-assembly of multiferroic core-shell composites using DNA functionalized nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 460, 424-431.	2.3	8
57	Current tunable barium hexaferrite millimeter wave resonator. Microwave and Optical Technology Letters, 2018, 60, 458-462.	1.4	13
58	Enhanced tunability of magneto-impedance and magneto-capacitance in annealed Metglas/PZT magnetoelectric composites. AIP Advances, 2018, 8, 055803.	1.3	10
59	A Highly Efficient Selfâ€Biased Nickelâ€Zinc Ferrite/Metglas/PZT Magnetoelectric Gyrator. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800043.	2.4	18
60	Nonlinear converse magnetoelectric effects in a ferromagnetic-piezoelectric bilayer. Applied Physics Letters, 2018, 113, .	3.3	15
61	Bidirectional tunable ferrite-piezoelectric trilayer magnetoelectric inductors. Applied Physics Letters, 2018, 113, .	3.3	15
62	Theory of magnetoelectric effects in multiferroic coreâ€“shell nanofibers of hexagonal ferrites and ferroelectrics. Journal Physics D: Applied Physics, 2018, 51, 284004.	2.8	9
63	Multiferroic Core-Shell Nanofibers, Assembly in a Magnetic Field, and Studies on Magneto-Electric Interactions. Materials, 2018, 11, 18.	2.9	24
64	Tutorial: Product properties in multiferroic nanocomposites. Journal of Applied Physics, 2018, 124, .	2.5	32
65	Stability enhancement of yttrium substituted nickel zinc ferrite/PZT magnetoelectric gyrators under high power conditions. Applied Physics Letters, 2018, 112, .	3.3	14
66	Magnetodielectric coupling in Ferromagnetic/Ferroelectric/Ferromagnetic spin capacitor. MRS Advances, 2017, 2, 241-246.	0.9	0
67	Switchable 3-0 magnetoelectric nanocomposite thin film with high coupling. Nanoscale, 2017, 9, 3246-3251.	5.6	20
68	Self-assembly of nanostructures with multiferroic components using nucleic acid linkers. MRS Communications, 2017, 7, 20-26.	1.8	3
69	A magnetoelectric sensor of threshold DC magnetic fields. Journal of Applied Physics, 2017, 121, .	2.5	14
70	Importance of composite parameters in enhanced power conversion efficiency of Terfenol-D/PZT magnetoelectric gyrators. Applied Physics Letters, 2017, 110, .	3.3	29
71	Enhanced stability of magnetoelectric gyrators under high power conditions. Applied Physics Letters, 2017, 111, .	3.3	14
72	Upper limit for power conversion in magnetoelectric gyrators. Applied Physics Letters, 2017, 111, .	3.3	25

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73	Highly efficient solid state magnetoelectric gyrators. Applied Physics Letters, 2017, 111, .	3.3	29
74	Palladium-based ferroelectrics and multiferroics: Theory and experiment. Physical Review B, 2017, 95, .	3.2	23
75	Measurement Techniques of the Magneto-Electric Coupling in Multiferroics. Materials, 2017, 10, 963.	2.9	93
76	Passive ferrite resonator-based millimeter wave band components. , 2017, , .		2
77	Sensitivity Enhancement in Magnetic Sensors Based on Ferroelectric-Bimorphs and Multiferroic Composites. Sensors, 2016, 16, 262.	3.8	27
78	Power conversion efficiency and resistance tunability in coil-magnetoelectric gyrators. Applied Physics Letters, 2016, 109, .	3.3	30
79	Self-assembly of multiferroic core-shell particulate nanocomposites through DNA-DNA hybridization and magnetic field directed assembly of superstructures. AIP Advances, 2016, 6, .	1.3	9
80	Current-induced nonlinear magnetoelectric effects in strontium hexaferrite. Physical Review B, 2016, 94, .	3.2	18
81	Fabrication and characterization of a MEMS nano-Tesla ferromagnetic-piezoelectric magnetic sensor array. Applied Physics Letters, 2016, 108, .	3.3	8
82	A magnetoelectric composite based signal generator. Applied Physics Letters, 2016, 108, .	3.3	8
83	The 2016 oxide electronic materials and oxide interfaces roadmap. Journal Physics D: Applied Physics, 2016, 49, 433001.	2.8	266
84	Self-Biased Magnetoelectric Composites: An Overview and Future Perspectives. Energy Harvesting and Systems, 2016, 3, 1-42.	2.7	69
85	Design and fabrication of a MEMS magnetic sensor utilizing ferromagnetic-piezoelectric composites. , 2015, , .		0
86	Voltage control of magnetism in laminated LiFe<inf>5</inf>O<inf>8</inf>/PMN-PT multiferroic composites. , 2015, , .		0
87	Microwave and millimeter-wave multiferroic devices. , 2015, , 241-264.		1
88	Layered multiferroic composites. , 2015, , 55-70.		2
89	Magnetic field directed assembly of superstructures of ferrite-ferroelectric core-shell nanoparticles and studies on magneto-electric interactions. Journal of Applied Physics, 2015, 117, .	2.5	12
90	Millimeter-wave magneto-dielectric effects in self-assembled ferrite-ferroelectric core-shell nanoparticles. Journal of Applied Physics, 2015, 117, .	2.5	6

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91	Magneto-electric interactions at bending resonance in an asymmetric multiferroic composite: Theory and experiment on the influence of electrode position. Journal of Applied Physics, 2015, 117, .	2.5	11
92	Magnetoelectric characterization techniques. , 2015, , 41-54.		0
93	Ferromagnetic resonance in a single crystal of iron borate and magnetic field tuning of hybrid oscillations in a composite structure with a dielectric: Experiment and theory. Journal of Applied Physics, 2015, 118, 013903.	2.5	10
94	Magneto-electric effects in functionally stepped magnetic nanobilayers on ferroelectric substrates: Observation and theory on the influence of interlayer exchange coupling. Journal of Applied Physics, 2014, 115, 193909.	2.5	2
95	Nonlinear multiferroic phase shifters for microwave frequencies. Applied Physics Letters, 2014, 104, 052911.	3.3	20
96	Superstructures of self-assembled multiferroic core-shell nanoparticles and studies on magneto-electric interactions. Applied Physics Letters, 2014, 105, .	3.3	9
97	Nonreciprocal millimeter wave latching phase shifter utilizing magnetodielectric phase-frequency bistability effect. Microwave and Optical Technology Letters, 2014, 56, 1759-1764.	1.4	4
98	Mode Splitting in 37â€“42 GHz Barium Hexaferrite Resonator: Theory and Device Applications. IEEE Transactions on Magnetics, 2014, 50, 1-7.	2.1	4
99	Nonlinear magneto-electric effects in ferromagnetic-piezoelectric composites. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 98-104.	2.3	69
100	Magnetic field assisted self-assembly of ferrite-ferroelectric core-shell nanofibers and studies on magneto-electric interactions. Applied Physics Letters, 2014, 104, .	3.3	31
101	Controlled self-assembly of multiferroic core-shell nanoparticles exhibiting strong magneto-electric effects. Applied Physics Letters, 2014, 104, .	3.3	47
102	Theory of domain wall motion mediated magnetoelectric effects in a multiferroic composite. Physical Review B, 2014, 90, .	3.2	8
103	Multiferroic oxide composites: Synthesis, characterisation and applications. Materials Science and Technology, 2014, 30, 1625-1632.	1.6	16
104	Dielectric resonance in nickel ferrite for K and Ka-band filters. Microwave and Optical Technology Letters, 2014, 56, 814-818.	1.4	3
105	High frequency magneto-dielectric effects in self-assembled ferrite-ferroelectric core-shell nanoparticles. AIP Advances, 2014, 4, .	1.3	19
106	Ferrite-Piezoelectric Heterostructures for Microwave and Millimeter Devices: Recent Advances and Future Possibilities. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S25-S29.	0.2	3
107	Resonance mixing of alternating current magnetic fields in a multiferroic composite. Journal of Applied Physics, 2013, 113, .	2.5	30
108	Nonlinear resonant magnetoelectric interactions and efficient frequency doubling in a ferromagnetic-ferroelectric layered structure. Journal of Applied Physics, 2013, 113, .	2.5	37

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109	Magnetoelectric coupling in solution derived 3-0 type PbZr0.52Ti0.48O3:xCoFe2O4 nanocomposite films. Applied Physics Letters, 2013, 102, .	3.3	41
110	A slot antenna with magnetoelectric elements. Microwave and Optical Technology Letters, 2013, 55, 533-535.	1.4	7
111	Electric-field-induced reorientation and flip in domain magnetization and light diffraction in an yttrium-iron-garnet/lead-zirconate-titanate bilayer. Physical Review B, 2013, 87, .	3.2	22
112	Electric field tuning of domain magnetic resonances in yttrium iron garnet films. Applied Physics Letters, 2013, 102, 222407.	3.3	18
113	VOLTAGE CONTROL OF MAGNETISM IN MULTIFERROIC HETEROSTRUCTURES AND DEVICES. Spin, 2012, 02, 1240004.	1.3	252
114	Hysteresis and remanence in magnetoelectric effects in functionally graded magnetostrictive-piezoelectric layered composites. Physical Review B, 2012, 85, .	3.2	64
115	Piezoelectric single crystal langatate and ferromagnetic composites: Studies on low-frequency and resonance magnetoelectric effects. Applied Physics Letters, 2012, 100, .	3.3	74
116	Magnetic field tunable 18â€“36â€…GHz dielectric bandpass filter. Electronics Letters, 2012, 48, 98.	1.0	16
117	Magnetoelectric interactions in layered composites of piezoelectric quartz and magnetostrictive alloys. Physical Review B, 2012, 86, .	3.2	44
118	Probing the local strain-mediated magnetoelectric coupling in multiferroic nanocomposites by magnetic field-assisted piezoresponse force microscopy. Nanoscale, 2012, 4, 3218.	5.6	58
119	Simultaneous observation of magnetostatic backward volume waves and surface waves in single crystal barium ferrite platelets with in-plane easy axis. Journal of Applied Physics, 2012, 111, 023901.	2.5	1
120	Inâ€plane dielectric and magnetoelectric studies of BiFeO₃. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1207-1212.	1.8	28
121	Resonance magnetoelectric effects in a layered composite under magnetic and electrical excitations. Journal of Applied Physics, 2012, 112, .	2.5	16
122	Hexagonal ferriteâ€piezoelectric composites for dual magnetic and electric field tunable 8â€“25 GHz microstripline resonators and phase shifters. Microwave and Optical Technology Letters, 2012, 54, 1215-1218.	1.4	19
123	A permendur-piezoelectric multiferroic composite for low-noise ultrasensitive magnetic field sensors. Applied Physics Letters, 2012, 100, .	3.3	41
124	Observation of strong magnetoelectric effects in Ba0.7Sr0.3TiO3/La0.7Sr0.3MnO3 thin film heterostructures. Journal of Applied Physics, 2012, 111, .	2.5	16
125	Multiferroic bending mode resonators and studies on temperature dependence of magnetoelectric interactions. Applied Physics Letters, 2012, 100, .	3.3	20
126	Multiferroic composite for combined detection of static and alternating magnetic fields. Materials Letters, 2012, 66, 282-284.	2.6	44

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127	Magnetoelectric properties of particulate and bi-layer PMN-PT/CoFe2O4 composites. Journal of Magnetism and Magnetic Materials, 2012, 324, 695-703.	2.3	25
128	Low-frequency and resonance magnetoelectric effects in nickel ferrite-PZT bulk composites. Technical Physics, 2012, 57, 44-47.	0.7	32
129	Voltage transformer based on inverse magnetoelectric effect. Technical Physics Letters, 2012, 38, 93-95.	0.7	14
130	Investigation on the Magnetic Noise of Stacked Magnetostricitive-Piezoelectric Laminated Composites. Sensor Letters, 2012, 10, 961-965.	0.4	11
131	Bending Resonance in a Magnetostrictive-Piezoelectric Bilayer and Magnetoelectric Interactions. Integrated Ferroelectrics, 2011, 126, 87-93.	0.7	7
132	Electrostatic tuning of ferromagnetic resonance and magnetoelectric interactions in ferrite-piezoelectric heterostructures grown by chemical vapor deposition. Applied Physics Letters, 2011, 99, .	3.3	58
133	Introduction to magnetoelectric coupling and multiferroic films. Journal Physics D: Applied Physics, 2011, 44, 243001.	2.8	261
134	Structural and magnetic properties of lithium ferrite (LiFe5O8) thin films: Influence of substrate on the octahedral site order. Applied Physics Letters, 2011, 98, .	3.3	31
135	Sub-THz dielectric resonance in single crystal yttrium iron garnet and magnetic field tuning of the modes. Journal of Applied Physics, 2011, 110, .	2.5	29
136	Enhancing the sensitivity of magnetoelectric sensors by increasing the operating frequency. Journal of Applied Physics, 2011, 110, .	2.5	50
137	Sub-Terahertz Magnetic and Dielectric Excitations in Hexagonal Ferrites. IEEE Transactions on Magnetics, 2011, 47, 289-294.	2.1	32
138	Low-frequency and resonance magnetoelectric effects in piezoelectric and functionally stepped ferromagnetic layered composites. Physical Review B, 2011, 84, .	3.2	74
139	Inverse magnetoelectric effect in disk-shaped samples of ferrite piezoelectric composites. Physics of the Solid State, 2011, 53, 1832-1838.	0.6	12
140	A strain engineered voltage tunable millimeterâ€wave ferrite phase shifter. Microwave and Optical Technology Letters, 2011, 53, 261-264.	1.4	27
141	Enhanced sensitivity of magnetoelectric sensors by tuning the resonant frequency. Applied Physics Letters, 2011, 99, .	3.3	30
142	Magnetization-graded multiferroic composite and magnetoelectric effects at zero bias. Physical Review B, 2011, 84, .	3.2	67
143	Resonance magnetoelectric interactions in an asymmetric ferromagnetic-ferroelectric layered structure. Journal of Applied Physics, 2011, 109, .	2.5	24
144	Resonance magnetoelectric effects in a piezoelectric bimorph. Journal of Applied Physics, 2011, 110, .	2.5	6

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145	The role of SrRuO3 bottom layer in strain relaxation of BiFeO3 thin films deposited on lattice mismatched substrates. Journal of Applied Physics, 2011, 109, .	2.5	20
146	Speed of a ferriteâ€"ferroelectric microwave planar resonator. Technical Physics, 2010, 55, 900-903.	0.7	12
147	Electric switching in bistable ferrite-piezoelectric microwave resonator. Technical Physics Letters, 2010, 36, 166-169.	0.7	16
148	Inverse magnetoelectric effect in ferrite-piezoelectric structures. Technical Physics Letters, 2010, 36, 984-986.	0.7	13
149	Microwave magnetoelectric effects in bilayers of piezoelectrics and ferrites with cubic magnetocrystalline anisotropy. Journal of Applied Physics, 2010, 108, 063923.	2.5	20
150	Magnetoelectric Composites. Annual Review of Materials Research, 2010, 40, 153-178.	9.3	538
151	Ferroelectric properties of BiFeO₃ thin films deposited on substrates with large lattice mismatch. Physica Status Solidi - Rapid Research Letters, 2010, 4, 79-81.	2.4	30
152	Microwave magnetoelectric effects in ferriteâ€"piezoelectric composites and dual electric and magnetic field tunable filters. Journal of Electroceramics, 2010, 24, 5-9.	2.0	47
153	Electromechanical resonance in ferrite-piezoelectric nanopillars, nanowires, nanobilayers, and magnetoelectric interactions. Journal of Applied Physics, 2010, 107, .	2.5	19
154	Flexural deformation in a compositionally stepped ferrite and magnetoelectric effects in a composite with piezoelectrics. Applied Physics Letters, 2010, 96, .	3.3	104
155	FUNCTIONALLY GRADED MAGNETOSTRICTIVE-PIEZOELECTRIC LAYERED COMPOSITES: STUDIES ON MAGNETO-ELECTRIC INTERACTIONS. Integrated Ferroelectrics, 2010, 111, 109-115.	0.7	2
156	10.1007/s11455-008-1025-7. , 2010, 34, 83.		1
157	Magnetic and Dielectric Excitations in the W-Band in Aluminum Substituted Barium and Strontium Hexaferrites. IEEE Transactions on Magnetics, 2009, 45, 2053-2058.	2.1	14
158	Influence of bias electric field on magnetoelectric interactions in ferromagnetic-piezoelectric layered structures. Applied Physics Letters, 2009, 94, .	3.3	32
159	Piezoinductive effects in a piezoelectric ring with metal electrodes. Journal of Applied Physics, 2009, 106, .	2.5	8
160	Size-controlled one-dimensional monocrystalline BaTiO3 nanostructures. Applied Physics Letters, 2009, 94, 253109.	3.3	54
161	Converse magnetoelectric effects in a galfenol and lead zirconate titanate bilayer. Journal of Applied Physics, 2009, 105, 123918.	2.5	27
162	Magnetically tuned mechanical resonances in magnetoelectric multilayer capacitors. Applied Physics Letters, 2009, 95, .	3.3	36

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163	Low-frequency magnetoelectric interactions in single crystal and polycrystalline bilayers of lanthanum strontium manganite and lead zirconate titanate. Journal of Materials Science, 2009, 44, 5120-5126.	3.7	19
164	Magnetoacoustic resonance in ferrite-ferroelectric nanopillars. European Physical Journal B, 2009, 71, 367-370.	1.5	10
165	Microwave and MM-wave magnetoelectric interactions in ferrite-ferroelectric bilayers. European Physical Journal B, 2009, 71, 371-375.	1.5	26
166	Modelling of magneto-acoustic resonance in ferriteâ€“piezoelectric bilayers. Journal Physics D: Applied Physics, 2009, 42, 215001.	2.8	3
167	Al substituted Ba-hexaferrite single-crystal films for millimeter-wave devices. Journal of Applied Physics, 2009, 105, .	2.5	59
168	FREQUENCY DEPENDENCE OF MAGNETOELECTRIC VOLTAGE FOR A MULTILAYER FERRITE-PIEZOELECTRIC STRUCTURE WITH FINITE CONDUCTIVITY. Integrated Ferroelectrics, 2009, 106, 23-28.	0.7	13
169	Flexural deformation and bending mode of magnetoelectric nanobilayer. Journal of Applied Physics, 2009, 106, .	2.5	26
170	Theory of magnetoelectric effect for bending modes in magnetostrictive-piezoelectric bilayers. Journal of Applied Physics, 2009, 105, .	2.5	105
171	Coupled magnetostatic and electromagnetic oscillations in hexaferrite-dielectric heterostructures. Journal of Applied Physics, 2009, 105, 083912.	2.5	11
172	A magnetic field controlled negativeâ€index microwave lens. Microwave and Optical Technology Letters, 2008, 50, 2804-2807.	1.4	4
173	Antenna miniaturization with ferrite ferroelectric composites. Microwave and Optical Technology Letters, 2008, 50, 3154-3157.	1.4	36
174	Magnetoelectric effects in layered samples of lead zirconium titanate and nickel films. Solid State Communications, 2008, 148, 55-58.	1.9	29
175	Frequency dependence of the magnetoelectric effect in ceramic composites based on lead zirconate titanate and nickel ferrite. Technical Physics Letters, 2008, 34, 83-86.	0.7	7
176	Planar ferrite-piezoelectric composite microwave resonator with electric and magnetic frequency tuning. Technical Physics Letters, 2008, 34, 593-596.	0.7	17
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