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# Physics and Applications of Bismuth Ferrite

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2262	Inorganic Spintronic Materials. <b>2004</b> , 1-15		
2261	Room temperature multiferroic properties of Nd:BiFeO3/Bi2FeMnO6 bilayered films. <b>2009</b> , 95, 23290	1	36
2260	The magnetic properties of Bi(Fe0.95Co0.05)O3 ceramics. <b>2009</b> , 95, 112510		106
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2258	High Temperature Phase Transitions in BiFeO3. <b>2009</b> , 1199, 164		
2257	ChemInform Abstract: Physics and Applications of Bismuth Ferrite. <b>2009</b> , 40, no		1
2256	Magnetoelectric memoriesa disruptive technology?. <b>2009</b> , 10, 1761-2		8
2255	Indium-Based Perovskites: A New Class of Near-Room-Temperature Multiferroics. <b>2009</b> , 121, 6233-623	6	14
2254	Indium-based perovskites: a new class of near-room-temperature multiferroics. <b>2009</b> , 48, 6117-20		51
2253	Deterministic control of ferroelastic switching in multiferroic materials. <b>2009</b> , 4, 868-75		299
2252	Mechanical stress induced polarization reorientation in polycrystalline Bi3.25La0.75Ti3O12 films. <b>2009</b> , 374, 360-365		4
2251	Polarization switching characteristics of BiFeO3 thin films epitaxially grown on Pt/MgO at a low temperature. <b>2009</b> , 95, 242902		29
2250	Phase transitions and ferroelectrics: revival and the future in the field. <b>2009</b> , 82, 633-661		44
2249	Magnetoelectric response of multiferroic BiFeO3 and related materials from first-principles calculations. <b>2009</b> , 103, 267205		80

# (2010-2009)

2248	B-cation effects in relaxor and ferroelectric tetragonal tungsten bronzes. <b>2009</b> , 19, 6485	52
2247	Structure and Properties of Multiferroic Oxygen Hyperstoichiometric BiFe1☑MnxO3+☐ <b>2009</b> , 21, 5176-5186	86
2246	Effect of chemical substitution on the Nel temperature of multiferroic Bi1⊠CaxFeO3. 2009, 79,	100
2245	The morphology of Au@MgO nanopeapods. <b>2009</b> , 20, 455603	13
2244	Dielectric spectra of Bi0.98Nd0.02FeO3.00 multiferroic thin films in the terahertz frequency range. <b>2010</b> , 52, 1842-1849	8
2243	On the room temperature multiferroic BiFeO3: magnetic, dielectric and thermal properties. <b>2010</b> , 75, 451-460	115
2242	Multiferroic thin-film integration onto semiconductor devices. <b>2010</b> , 22, 423201	75
2241	Reorientation of magnetic dipoles at the antiferroelectric-paraelectric phase transition of Bi1 $\overline{M}$ NdxFeO3 (0.15 $\overline{M}\overline{D}$ .25). <b>2010</b> , 81,	106
2240	Ferroelectric properties of BiFeO3 thin films deposited on substrates with large lattice mismatch. <b>2010</b> , 4, 79-81	21
2239	Optical properties of integrated multiferroic BiFeO3 thin films for microwave applications. <b>2010</b> , 96, 182902	49
2238	Landau theory of domain wall magnetoelectricity. <b>2010</b> , 81,	121
2237	Preparation and characterization of BiFeO3/LaNiO3 heterostructure films grown on silicon substrate. <b>2010</b> , 312, 617-620	8
2236	Effect of Cr substitution on the multiferroic properties of BiFe1 lkCrxO3 compounds. 2010, 374, 4265-4268	41
2235	Intermediate structural phases in rare-earth substituted BiFeO3. <b>2010</b> , 45, 416-419	28
2234	Effect of Gd substitution on ferroelectric and magnetic properties of Bi4Ti3O12. <b>2010</b> , 64, 1066-1068	21
2233	Effect of Sm substitution on ferroelectric and magnetic properties of BiFeO3. <b>2010</b> , 62, 238-241	82
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2231	The £o-LTransition in BiFeO3: A Powder Neutron Diffraction Study. <b>2010</b> , 20, 2116-2123	81

2230	Epitaxial growth and properties of doped transition metal and complex oxide films. <i>Advanced Materials</i> , <b>2010</b> , 22, 219-48	24	183
2229	Multiferroics with spiral spin orders. <i>Advanced Materials</i> , <b>2010</b> , 22, 1554-65	24	498
2228	Bulk photovoltaic effect at visible wavelength in epitaxial ferroelectric BiFeO3 thin films. <i>Advanced Materials</i> , <b>2010</b> , 22, 1763-6	24	469
2227	Magnetoelectric coupling effects in multiferroic complex oxide composite structures. <i>Advanced Materials</i> , <b>2010</b> , 22, 2900-18	24	687
2226	Uniaxial magnetic anisotropy in La0.7Sr0.3MnO3 thin films induced by multiferroic BiFeO3 with striped ferroelectric domains. <i>Advanced Materials</i> , <b>2010</b> , 22, 4964-8	24	45
2225	Ferroelectricity in Perovskites with s0 A-Site Cations: Toward Near-Room-Temperature Multiferroics. <b>2010</b> , 122, 1647-1650		8
2224	Ferroelectricity in perovskites with s0 A-site cations: toward near-room-temperature multiferroics. <b>2010</b> , 49, 1603-6		22
2223	Phase transitions, electrical conductivity and chemical stability of BiFeO3 at high temperatures. <b>2010</b> , 183, 1205-1208		42
2222	Magneto-thermal and dielectric properties of biferroic YCrO3 prepared by combustion synthesis. <b>2010</b> , 183, 1863-1871		75
2221	The role of Coulomb and exchange interaction on the DzyaloshinskiiMoriya interaction (DMI) in BiFeO3. <b>2010</b> , 322, 1765-1769		24
2220	Magnetism and electronic properties of BiFeO3 under lower pressure. <b>2010</b> , 322, 3755-3759		26
2219	Change in periodicity of the incommensurate magnetic order towards commensurate order in bismuth ferrite lead titanate. <b>2010</b> , 322, L64-L67		36
2218	Advances in the growth and characterization of magnetic, ferroelectric, and multiferroic oxide thin films. <b>2010</b> , 68, 89-133		501
2217	Nanoscale polarization relaxation of epitaxial BiFeO3 thin film. <b>2010</b> , 518, e169-e173		5
2216	Enhanced ferromagnetism at the rhombohedralletragonal phase boundary in Pr and Mn co-substituted powders. <b>2010</b> , 150, 2081-2084		47
2215	Mode crystallography of distorted structures. <b>2010</b> , 66, 558-90		267
2214	Magnetic peculiarity and crystal structure of Pr0.5Sr0.5Co1⊠FexO3. <b>2010</b> , 247, 411-415		2
2213	Ferroelectric and Impedance Behavior of La- and Ti-Codoped BiFeO3 Thin Films. <b>2010</b> , 93, 2795-2803		126

# (2010-2010)

2212	The Synthesis of Pure-Phase Bismuth Ferrite in the Bille System Under Hydrothermal Conditions without a Mineralizer. <b>2010</b> , 93, 3173-3179	22
2211	Hydrothermal Synthesis and Size-Dependent Properties of Multiferroic Bismuth Ferrite Crystallites. <b>2010</b> , 93, 3842-3849	34
<b>221</b> 0	Ferroelastic switching for nanoscale non-volatile magnetoelectric devices. <b>2010</b> , 9, 309-14	344
2209	Light-induced size changes in BiFeO3 crystals. <b>2010</b> , 9, 803-5	243
2208	Electric-field control of spin waves at room temperature in multiferroic BiFeO3. 2010, 9, 975-9	205
2207	Size-dependent structural preferences and magnetization enhancement in 0.5Bi0.8La0.2FeO3 <b>I</b> .5PbTiO3. <b>2010</b> , 108, 124108	5
2206	Morphology and orientation of iron oxide precipitates in epitaxial BiFeO3 thin films grown under two non-optimized oxygen pressures. <b>2010</b> , 90, 4551-4567	6
2205	Hydrothermal synthesis of perovskite bismuth ferrite crystallites with the help of NH4Cl. <b>2010</b> ,	
2204	Strain-driven phase transitions and associated dielectric/piezoelectric anomalies in BiFeO3 thin films. <b>2010</b> , 97, 152901	34
2203	Optical spectroscopy of charge transfer transitions in multiferroic manganites, ferrites, and related insulators. <b>2010</b> , 36, 489-510	34
2202	Evidence for a first-order transition from monoclinic $\Box$ to monoclinic $\Box$ phase in BiFeO3 thin films. <b>2010</b> , 81,	30
2201	Dielectric, magnetic, and magnetoelectric properties of La and Ti codoped BiFeO3. <b>2010</b> , 97, 222904	97
2200	Fatigue and ferroelectric behavior of La and Zn comodified BiFeO3 thin films. <b>2010</b> , 108, 024104	23
2199	Twinning rotation and ferroelectric behavior of epitaxial BiFeO3 (001) thin film. <b>2010</b> , 96, 012901	33
2198	Nanoscale domains in strained epitaxial BiFeO3 thin Films on LaSrAlO4 substrate. <b>2010</b> , 96, 252903	71
2197	Thickness-dependent structural and magnetic properties of BiFeO3 films prepared by metal organic decomposition method. <b>2010</b> , 97, 222901	24
2196	Cluster spin glass behavior in Bi(Fe0.95Co0.05)O3. <b>2010</b> , 107, 093920	32
2195	Finite size and intrinsic field effect on the polar-active properties of ferroelectric-semiconductor heterostructures. <b>2010</b> , 81,	55

2194	Tuning the atomic and domain structure of epitaxial films of multiferroic BiFeO3. 2010, 81,	68
2193	Domain pattern and piezoelectric response across polymorphic phase transition in strained bismuth ferrite films. <b>2010</b> , 97, 242906	17
2192	Resistance switching in polycrystalline BiFeO3 thin films. <b>2010</b> , 97, 042101	129
2191	Thickness-dependent twinning evolution and ferroelectric behavior of epitaxial BiFeO3 (001) thin films. <b>2010</b> , 82,	28
<b>2</b> 190	Effect of Zn Concentration on Multiferroic and Fatigue Behavior of Bi[sub 0.90]La[sub 0.10]Fe[sub $1 \mbox{\em M}$ ]Zn[sub x]O[sub 3] Thin Films. <b>2010</b> , 13, G105	8
2189	Nonstoichiometric BiFe0.9Ti0.05O3 multiferroic ceramics with ultrahigh electrical resistivity. <b>2010</b> , 108, 094112	36
2188	ZnO as a buffer layer for growth of BiFeO3 thin films. <b>2010</b> , 108, 034102	39
2187	Advances in lead-free piezoelectric materials for sensors and actuators. <b>2010</b> , 10, 1935-54	302
2186	Polarization switching in quasiplanar BiFeO3 capacitors. <b>2010</b> , 97, 062910	25
2185	Low symmetry monoclinic MC phase in epitaxial BiFeO3 thin films on LaSrAlO4 substrates. <b>2010</b> , 97, 242903	44
2184	Nonvolatile resistive switching in metal/La-doped BiFeO3/Pt sandwiches. <b>2010</b> , 21, 425202	94
2183	Effect of Reduced Particle Size on the Magnetic Properties of Chemically Synthesized BiFeO3 Nanocrystals. <b>2010</b> , 114, 2108-2115	169
2182	Synthesis, Structural Characterization, and Properties of Perovskites Belonging to the xBiMnO3(11 [k) PbTiO3 System. <b>2010</b> , 22, 541-550	13
2181	Microstructure-electromechanical property correlations in rare-earth-substituted BiFeO3 epitaxial thin films at morphotropic phase boundaries. <b>2010</b> , 97, 212905	69
2180	Temperature-Dependent Raman and Dielectric Spectroscopy of BiFeO3Nanoparticles: Signatures of Spin-Phonon and Magnetoelectric Coupling. <b>2010</b> , 114, 12432-12439	53
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2178	Temperature dependence of electronic transitions and optical properties in multiferroic BiFeO3 nanocrystalline film determined from transmittance spectra. <b>2010</b> , 97, 121102	33
2177	Substrate influence on the optical and structural properties of pulsed laser deposited BiFeO3 epitaxial films. <b>2010</b> , 107, 123524	57

# (2010-2010)

Variations of ferroelectric off-centering distortion and 3dap orbital mixing in La-doped BiFeO multiferroics. <b>2010</b> , 82,	3 70
2175 Bridging multiferroic phase transitions by epitaxial strain in BiFeO3. <b>2010</b> , 105, 057601	136
Density functional theory plus U study of vacancy formations in bismuth ferrite. <b>2010</b> , 96, 232	906 62
Coexistence of strong ferromagnetism and polar switching at room temperature in Fe3O4 <b>B</b> iFe nanocomposite thin films. <b>2010</b> , 97, 153121	eO3 <sup>25</sup>
2172 Crystal and magnetic structures and properties of BiMnO(3+delta). <b>2010</b> , 132, 8137-44	46
2171 Magnetoelectric and magnetoelastic properties of rare-earth ferroborates. <b>2010</b> , 36, 511-521	132
2170 . <b>2010</b> ,	0
2169 Effect of Ce and Zr codoping on the multiferroic properties of BiFeO 3 thin films. <b>2010</b> , 89, 57	004 29
Electronic structure of multiferroic BiFeO3 and related compounds: Electron energy loss spectroscopy and density functional study. <b>2010</b> , 82,	48
Rhombohedral-to-orthorhombic transition and multiferroic properties of Dy-substituted BiFer <b>21</b> 67 <b>2010</b> , 108, 074109	<b>03</b> . 80
2166 Ab Initio indications for giant magnetoelectric effects driven by structural softness. <b>2010</b> , 105	5 <b>, 037208</b> 90
2165 Nonmagnetic Fe-site doping of BiFeO3 multiferroic ceramics. <b>2010</b> , 96, 102509	105
2164 Study of defect-dipoles in an epitaxial ferroelectric thin film. <b>2010</b> , 96, 052903	52
2163 Mesoscopic metal-insulator transition at ferroelastic domain walls in VO2. <b>2010</b> , 4, 4412-9	63
Improved Ferroelectric and Fatigue Behavior of Bi0.95Gd0.05FeO3/BiFe0.95Mn0.05O3 Bilayer Thin Films. <b>2010</b> , 114, 19318-19321	red <sub>16</sub>
2161 Competing phases in BiFeO3 thin films under compressive epitaxial strain. <b>2010</b> , 81,	90
2160 Microwave and THz applications of ferroelectrics and multiferroics. <b>2010</b> ,	1
Suppression of octahedral tilts and associated changes in electronic properties at epitaxial oxide heterostructure interfaces. <b>2010</b> , 105, 087204	ide <sub>288</sub>

2158	Systematic variations in structural and electronic properties of BiFeO3 by A-site substitution. <b>2010</b> , 96, 012905	57
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2156	Enhancement of ferromagnetic and dielectric properties in lanthanum doped BiFeO3 by hydrothermal synthesis. <b>2010</b> , 490, 637-641	79
2155	Structural and multiferroic properties of the Ce-doped BiFeO3 thin films. <b>2010</b> , 493, 544-548	77
2154	The magnetic properties of La doped and codoped BiFeO3. <b>2010</b> , 499, 108-112	81
2153	Structural, dielectric and magnetic properties of Pr substituted Bi1\(\mathbb{U}\)PrxFeO3 (0\(\mathbb{U}\)\(\mathbb{D}\).15) multiferroic compounds. <b>2010</b> , 501, L29-L32	73
2152	Preparation and properties of (1☑)BiFeO3☑BaTiO3 multiferroic ceramics. <b>2010</b> , 506, 862-867	67
2151	Multiferroic behavior and electrical conduction of BiFeO3 thin film deposited on quartz substrate. <b>2010</b> , 507, L4-L7	16
2150	Effect of Eu substitution on the crystal structure and multiferroic properties of BiFeO3. <b>2010</b> , 507, 157-161	159
2149	Phonon spectroscopy near phase transition temperatures in multiferroic BiFeO3 epitaxial thin films. <b>2010</b> , 81,	31
2148	Optimal multiferroic properties and enhanced magnetoelectric coupling in SmFeO3PbTiO3 solid solutions. <b>2010</b> , 107, 084106	23
2147	Engineering functionality in the multiferroic BiFeO3controlling chemistry to enable advanced applications. <b>2010</b> , 39, 10813-26	53
2146	Enhanced multiferroic properties in Ti-doped Bi2Fe4O9 ceramics. <b>2010</b> , 108, 064110	50
2145	Size effects in multiferroic BiFeO3 nanodots: A first-principles-based study. <b>2010</b> , 82,	33
2144	Strong ferroelectric domain-wall pinning in BiFeO3 ceramics. <b>2010</b> , 108, 074107	246
2143	Magnetic properties of La doped Bi2FeMnO6 ceramic and film. <b>2010</b> , 108, 093903	7
2142	Ferromagnetism in multiferroic BiFeO3 films: A first-principles-based study. <b>2010</b> , 81,	99
2141	Effect of substrate orientation on lattice relaxation of epitaxial BiFeO3 thin films. <b>2010</b> , 108, 014104	42

2140	Neutron diffraction study of the BiFeOl³spin cycloid at low temperature. <b>2010</b> , 22, 256001	32
2139	Superconducting gap induced barrier enhancement in a BiFeO3-based heterostructure. <b>2010</b> , 97, 252905	21
2138	Mapping octahedral tilts and polarization across a domain wall in BiFeO3 from Z-contrast scanning transmission electron microscopy image atomic column shape analysis. <b>2010</b> , 4, 6071-9	135
2137	THz radiation by optically controlled depolarization in BiFeO3. <b>2010</b> ,	
2136	Electron spin resonance probed suppressing of the cycloidal spin structure in doped bismuth ferrites. <b>2010</b> , 96, 232507	31
2135	The ferromagnetic and ferroelectric properties of (Bi0.9La0.1)(Fe0.95Co0.05)O3. <b>2010</b> ,	
2134	The study of BST buffered BiFeO3 thin film. <b>2010</b> ,	
2133	Orientational dependence of multiferroic behaviors of La and Mn modified BiFeO3 thin films. <b>2011</b> ,	1
2132	The enhanced ferromagnetic property of BiFeO3-YMnO3 system. <b>2011</b> ,	1
2131	Leakage mechanism of cation -modified BiFeO3 thin film. <b>2011</b> , 1, 022138	60
2130	Comparative study on aging effect in BiFeO3 thin films substituted at A- and B-sites. <b>2011</b> , 99, 262901	32
2129	Continuously tunable magnetic phase transitions in the DyMn1⊠FexO3 system. <b>2011</b> , 99, 092502	43
2128	Origin and magnitude of the large piezoelectric response in the lead-free (1-x)BiFeO3-xBaTiO3 solid solution. <b>2011</b> , 26, 9-17	47
2127	Investigations of Low Temperature Phase Transitions in BiFeO3 Ceramic by Infrared Spectroscopy. <b>2011</b> , 417, 63-69	6
2126	Migration kinetics of oxygen vacancies in Mn-modified BiFeOlthin films. <b>2011</b> , 3, 2504-11	58
2125	Isothermal structural transitions, magnetization and large piezoelectric response in Bi1⊠LaxFeO3 perovskites. <b>2011</b> , 83,	117
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2123	Acoustic properties of multiferroics PbFe1/2Ta1/2O3 and BiFeO3 at NBl temperature. <b>2011</b> ,	

2122	High temperature dielectric properties of YMnO3 ceramics. <b>2011</b> , 110, 064116	30
2121	Perovskite, LiNbO3, corundum, and hexagonal polymorphs of (In(1-x)M(x))MO3. <b>2011</b> , 133, 9405-12	37
2120	Influence of La and Ru Dopants on Multiferroic Properties of Polycrystalline BiFeO\$_{3}\$ Thin Films. <b>2011</b> , 4, 111502	12
2119	A large polarization in Ce-modified bismuth ferrite thin films. <b>2011</b> , 109, 124105	13
2118	Epitaxial strain and electric boundary condition effects on the structural and ferroelectric properties of BiFeO3 films. <b>2011</b> , 84,	53
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2116	Dielectric, magnetic and magnetoelectric properties of La and Nb codoped bismuth ferrite. <b>2011</b> , 23, 385901	34
2115	BiFeO3: A Review on Synthesis, Doping and Crystal Structure. <b>2011</b> , 126, 47-59	186
2114	Local weak ferromagnetism in single-crystalline ferroelectric BiFeO3. <b>2011</b> , 107, 207206	101
2113	Dynamic conductivity of ferroelectric domain walls in BiFeO□ <b>2011</b> , 11, 1906-12	204
	Dynamic conductivity of ferroelectric domain walls in BiFeO[12011, 11, 1906-12  A phase transition close to room temperature in BiFeO3 thin films. 2011, 23, 342202	204
2112	A phase transition close to room temperature in BiFeO3 thin films. <b>2011</b> , 23, 342202  Growth of Highly Insulating Bulk Single Crystals of Multiferroic BiFeO3 and Their Inherent Internal	46
2112	A phase transition close to room temperature in BiFeO3 thin films. 2011, 23, 342202  Growth of Highly Insulating Bulk Single Crystals of Multiferroic BiFeO3 and Their Inherent Internal Strains in the Domain-Switching Process. 2011, 11, 5139-5143  Evidence of bulk photovoltaic effect and large tensor coefficient in ferroelectric BiFeO3 thin films.	46
2112 2111 2110	A phase transition close to room temperature in BiFeO3 thin films. 2011, 23, 342202  Growth of Highly Insulating Bulk Single Crystals of Multiferroic BiFeO3and Their Inherent Internal Strains in the Domain-Switching Process. 2011, 11, 5139-5143  Evidence of bulk photovoltaic effect and large tensor coefficient in ferroelectric BiFeO3 thin films. 2011, 84,  Strain Effects of the Structural Characteristics of Ferroelectric Transition in Single-Domain Epitaxial	46 43 96
2112 2111 2110 2109	A phase transition close to room temperature in BiFeO3 thin films. 2011, 23, 342202  Growth of Highly Insulating Bulk Single Crystals of Multiferroic BiFeO3 and Their Inherent Internal Strains in the Domain-Switching Process. 2011, 11, 5139-5143  Evidence of bulk photovoltaic effect and large tensor coefficient in ferroelectric BiFeO3 thin films. 2011, 84,  Strain Effects of the Structural Characteristics of Ferroelectric Transition in Single-Domain Epitaxial BiFeO 3 Films. 2011, 28, 067702  Magnetoelectricity in BiFeO3 films: First-principles-based computations and phenomenology. 2011,	46 43 96 4
2112 2111 2110 2109 2108	A phase transition close to room temperature in BiFeO3 thin films. 2011, 23, 342202  Growth of Highly Insulating Bulk Single Crystals of Multiferroic BiFeO3 and Their Inherent Internal Strains in the Domain-Switching Process. 2011, 11, 5139-5143  Evidence of bulk photovoltaic effect and large tensor coefficient in ferroelectric BiFeO3 thin films. 2011, 84,  Strain Effects of the Structural Characteristics of Ferroelectric Transition in Single-Domain Epitaxial BiFeO 3 Films. 2011, 28, 067702  Magnetoelectricity in BiFeO3 films: First-principles-based computations and phenomenology. 2011, 83,  Displacement-type ferroelectricity with off-center magnetic ions in perovskite Sr(1-x)Ba(x)MnO3.	46 43 96 4

2104	Hydrothermal synthesis and magnetic properties of single-crystalline BiFeO3 nanowires. <b>2011</b> , 47, 8166-8	98
2103	Structure, Magnetic, and Ferroelectric Properties of Bi1-xGdxFeO3 Nanoparticles. <b>2011</b> , 115, 8869-8875	60
2102	Energetic stability, structural transition, and thermodynamic properties of ZnSnO3. <b>2011</b> , 98, 091914	29
2101	Introduction to magnetoelectric coupling and multiferroic films. <b>2011</b> , 44, 243001	240
2100	Multiple high-pressure phase transitions in BiFeO3. <b>2011</b> , 84,	80
2099	Multiferroic coupling in nanoscale BiFeO3. <b>2011</b> , 99, 073106	49
2098	Neutron diffraction study of the coupling between spin, lattice, and structural degrees of freedom in 0.8BiFeO3-0.2PbTiO3. <b>2011</b> , 109, 063522	19
2097	Phase transitions in epitaxial (-110) BiFeO3 films from first principles. <b>2011</b> , 107, 117602	31
2096	Ferroelectric behavior in bismuth ferrite thin films of different thickness. <b>2011</b> , 3, 3261-3	44
2095	Low-temperature evolution of the modulated magnetic structure in the ferroelectric antiferromagnet BiFeO3. <b>2011</b> , 84,	48
2094	Spin-glass behavior of nanocrystalline multiferroic bismuth ferrite lead titanate. <b>2011</b> , 21, 781-788	13
2093	Visible Light Responsive Perovskite BiFeO3 Pills and Rods with Dominant {111}c Facets. <b>2011</b> , 11, 1049-1053	106
2092	Magnetic symmetry of low-dimensional multiferroics and ferroelastics. <b>2011</b> , 84, 421-437	10
2091	High-pressure phase transitions in BiFeO3: hydrostatic versus non-hydrostatic conditions. <b>2011</b> , 84, 474-482	23
2090	Tip-enhanced photovoltaic effects in bismuth ferrite. <b>2011</b> , 2,	325
2089	Multiferroic phase transition near room temperature in BiFeO3 films. <b>2011</b> , 107, 237601	80
2088	Preparation and Characterization of BiFeO3 Film via Sol-Gel Spin-Coating Process. <b>2011</b> , 492, 202-205	2
2087	Role of Pb(Zr0.52Ti0.48)O3 substitution in multiferroic properties of polycrystalline BiFeO3 thin films. <b>2011</b> , 110, 114116	16

2086	Particle size dependence of magnetization and noncentrosymmetry in nanoscale BiFeO3. <b>2011</b> , 109, 07D737	52
2085	BiFeO3/Zn1⊠MnxO bilayered thin films. <b>2011</b> , 258, 1390-1394	10
2084	Ab initio study of proper topological ferroelectricity in layered perovskite La2Ti2O7. <b>2011</b> , 84,	42
2083	Mechanosynthesis of the whole xBiFeO3似 ß)PbTiO3 multiferroic system: structural characterization and study of phase transitions. <b>2011</b> , 21, 3125	48
2082	Linearquadratic order parameter coupling and multiferroic phase transitions. 2011, 23, 462202	22
2081	Structural, electronic and optical properties of BiFeO3 studied by first-principles. <b>2011</b> , 509, 1901-1905	79
2080	Effect of bottom electrode and resistive layer on the dielectric and ferroelectric properties of solgel derived BiFeO3 thin films. <b>2011</b> , 509, 2054-2059	34
2079	Effects of Mn substitution on ferro- and piezoelectric properties of Bi0.86Sm0.14FeO3 thin films. <b>2011</b> , 509, 3766-3770	11
2078	Optimization of the mechanochemical conditions for the synthesis of the xBiFeO3(1111)PbTiO3 multiferroic system. <b>2011</b> , 509, 5483-5487	2
2077	Multiferroic and magnetoelectric properties of single-phase Bi0.85La0.1Ho0.05FeO3 ceramics. <b>2011</b> , 509, 5908-5912	34
2076	Processing and characterization of Sr doped BiFeO3 multiferroic materials by high energetic milling. <b>2011</b> , 509, 7042-7046	22
2075	Structure and magnetic properties of Cd doped copper ferrite. <b>2011</b> , 509, 7585-7590	11
2074	Ferroelectric and magnetic properties in high-pressure synthesized BiFeO3 compound. <b>2011</b> , 509, 7591-7594	8
2073	Sintering and microstuctural characterization of W6+, Nb5+ and Ti4+ iron-substituted BiFeO3. <b>2011</b> , 509, 7290-7296	31
2072	Bismuth ferrite bilayered thin films of different constituent layer thicknesses. <b>2011</b> , 509, 7742-7748	
2071	Compositionally graded bismuth ferrite thin films. <b>2011</b> , 509, L319-L323	4
2070	Effect of A site and B site doping on structural, thermal, and dielectric properties of BiFeO3 ceramics. <b>2011</b> , 509, 8421-8426	126
2069	A giant polarization value in bismuth ferrite thin films. <b>2011</b> , 509, L362-L364	12

2068 Spiral ground state against ferroelectricity in the frustrated magnet BiMnFe2O6. <b>2011</b> , 83,	11
2067 Orthorhombic polar Nd-doped BiFeO3 thin film on MgO substrate. <b>2011</b> , 23, 332201	6
Combinatorial and high-throughput screening of materials libraries: review of state of the art. <b>2011</b> , 13, 579-633	348
2065 Crystal structure of Bi(0.9)Sm(0.1)Fe(1-x)Mn(x)O3 multiferroics. <b>2011</b> , 40, 3462-5	16
Structure and Magnetic Properties of BiFe0.75Mn0.25O3 Perovskite Prepared at Ambient and High Pressure. <b>2011</b> , 23, 4505-4514	66
Effects of Doping and Oxygen Nonstoichiometry on the Thermodynamic Properties of Some Multiferroic Ceramics. <b>2011</b> ,	1
2062 Low temperature magnetic behaviour of PZT-PFW bulk multiferroic ceramics. <b>2011</b> , 303, 012065	6
Enhancement of Multiferroic Properties in BiFeO3Ba(Cu1/3Nb2/3)O3: Film Fabricated by Aerosol Deposition. <b>2011</b> , 94, 355-358	16
Microwave Hydrothermal Synthesis, Structural Characterization, and Visible-Light Photocatalytic Activities of Single-Crystalline Bismuth Ferric Nanocrystals. <b>2011</b> , 94, 2688-2693	63
Effect of (Bi,Gd)FeO3 Layer Thickness on the Microstructure and Electrical Properties of BiFeO3 Thin Films. <b>2011</b> , 94, 4291-4298	9
2058 Effects of Dy and Mn Codoping on Ferroelectric Properties of BiFeO3 Thin Films. <b>2011</b> , 94, 2792-2795	32
2057 Probing Ferroelectrics Using Optical Second Harmonic Generation. <b>2011</b> , 94, 2699-2727	198
Phase Transitions, Magnetic and Piezoelectric Properties of Rare-Earth-Substituted BiFeO3 Ceramics. <b>2011</b> , 94, 4502-4506	93
2055 Large Electric-Field Induced Strain in BiFeO3 Ceramics. <b>2011</b> , 94, 4108-4111	65
2054 Conditions favoring the polar weak ferromagnetic state in BiFeO3-type multiferroics. <b>2011</b> , 93, 512-516	6
Crystallographic, magnetic and dielectric studies of the potential multiferroic ´cryolite (NH4)3FeF6. <b>2053 2011</b> , 13, 953-958	4
2052 Structural stability and magnetic properties of Bi1\( \text{BLa(Pr)}\) xFeO3 solid solutions. <b>2011</b> , 151, 1686-1689	28
Investigation of BiFe0.95Mn0.03Zn0.02O3/Bi3.15Nd0.85Ti2.9Zr0.1O12 heterostructure thin film fabricated by a chemical solution deposition technique. <b>2011</b> , 14, 253-256	2

2050	Reaction pathways in the solid state synthesis of multiferroic BiFeO3. <b>2011</b> , 31, 3047-3053	124
2049	Investigation of nanodomain pattern and piezoelectric behavior of mixed phases in epitaxial BiFeO3 films. <b>2011</b> , 31, 3063-3071	9
2048	Large-scale growth and shape evolution of bismuth ferrite particles with a hydrothermal method. <b>2011</b> , 126, 560-567	59
2047	Self-controlled growth of Fe3BO6 crystallites in shape of nanorods from iron-borate glass of small templates. <b>2011</b> , 129, 1020-1026	17
2046	The magnetic properties of Bi0.9Ba0.1Fe0.81M0.09Ti0.1O3 solid solutions (M=Co, Mn, Sc, Al). <b>2011</b> , 46, 1848-1852	3
2045	Structural phase evolution in Bi7/8Ln1/8FeO3 (Ln = LaDy) series. <b>2011</b> , 65, 1970-1972	27
2044	Investigation of dark and light conductivities in calcium doped bismuth ferrite thin films. <b>2011</b> , 65, 3086-3088	14
2043	Synthesis and Magnetic Properties of \$hbox{BiFeO}_{3}\$, \${(hbox{BiFeO}_{3})}_{0.95}{(hbox{BaTiO}_{3})}_{0.05}\$, and \$(hbox{Bi}_{0.95}hbox{Ba}_{0.05})(hbox{Fe}_{0.95}hbox{Ti}_{0.05})hbox{O}_{3}\$ Ceramics. <b>2011</b> , 47, 706-709	3
2042	Multiferroic Properties and Leakage Current Mechanisms of $f = 0.9$ {rm Eu}_{0.1}{rm FeO}_{3}\$ Thin Films. <b>2011</b> , 47, 2784-2787	1
2041	SmIII co-substituted BiFeO3 thin films prepared by solgel technique. <b>2011</b> , 11, S255-S259	31
2040	Prediction of transparency and non-linear optical susceptibility of acentric bismuthate crystals. <b>2011</b> ,	0
2039	Antiferroelectric (Pb,Bi)1¼Fe1+xO3¼ Perovskites Modulated by Crystallographic Shear Planes. <b>2011</b> , 23, 255-265	30
2038	Interface-induced room-temperature multiferroicity in BaTiO[12011, 10, 753-8	310
2037	Local distortions in multiferroic BiMnO as a function of doping. <b>2011</b> , 12, 044610	8
2036	Coexistence of ferroelectric triclinic phases in highly strained BiFeO3 films. <b>2011</b> , 84,	92
2035	Skin layer of BiFeO(3) single crystals. <b>2011</b> , 106, 236101	72
2034	First-principles investigation of morphotropic transitions and phase-change functional responses in BiFeO3-BiCoO3 multiferroic solid solutions. <b>2011</b> , 107, 057601	73
2033	Temperature-dependent properties of the magnetic order in single-crystal BiFeO3. <b>2011</b> , 83,	81

2032 First-principles predictions of low-energy phases of multiferroic BiFeO3. <b>2011</b> , 83,	191
Electric control of magnon frequencies and magnetic moment of bismuth ferrite thin films at room temperature. <b>2011</b> , 99, 62504-625043	34
2030 Optical anisotropy and charge-transfer transition energies in BiFeO3 from 1.0 to 5.5 eV. <b>2011</b> , 83,	27
2029 Angular dispersion of oblique phonon modes in BiFeO3 from micro-Raman scattering. <b>2011</b> , 83,	100
Morphotropic phase boundary, weak ferromagnetism, and strong piezoelectric effect in Bi1 িk Ca x FeO3 িk/2 compounds. <b>2011</b> , 113, 1025-1031	18
2027 Spatially modulated antiferromagnetic structures in an easy-plane multiferroic. <b>2011</b> , 53, 970-977	18
2026 Acoustic properties of multiferroic BiFeO3 over the temperature range 4.2830 K. 2011, 83, 39-45	29
2025 Displacive Phase Transitions and Magnetic Structures in Nd-Substituted BiFeO3. <b>2011</b> , 23, 2166-2175	104
2024 Antipolar phase in multiferroic BiFeO3 at high pressure. <b>2011</b> , 84,	46
2023 Structural Evolution of the BiFeO3[laFeO3System. <b>2011</b> , 23, 285-292	0
	148
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. <b>2011</b> , 23, 1158-1165	148 44
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and	
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. <b>2011</b> , 23, 1158-1165  Dynamic properties of spin cluster glass and the exchange bias effect in BiFeO3 nanocrystals. <b>2011</b> ,	44
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. 2011, 23, 1158-1165  Dynamic properties of spin cluster glass and the exchange bias effect in BiFeO3 nanocrystals. 2011, 22, 385701  Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin	44 52
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. 2011, 23, 1158-1165  Dynamic properties of spin cluster glass and the exchange bias effect in BiFeO3 nanocrystals. 2011, 22, 385701  Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin films. 2011, 5, 190-192  Dielectric properties of BiFeO3 ceramics obtained from mechanochemically synthesized	44 52 7
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. 2011, 23, 1158-1165  Dynamic properties of spin cluster glass and the exchange bias effect in BiFeO3 nanocrystals. 2011, 22, 385701  Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin films. 2011, 5, 190-192  Dielectric properties of BiFeO3 ceramics obtained from mechanochemically synthesized nanopowders. 2011, 27, 154-161  Influence of Dy-doping on ferroelectric and dielectric properties in Bi1.05NDyxFeO3 ceramics.	44 52 7 40
High-Temperature and High-Pressure Aqueous Solution Formation, Growth, Crystal Structure, and Magnetic Properties of BiFeO3Nanocrystals. 2011, 23, 1158-1165  Dynamic properties of spin cluster glass and the exchange bias effect in BiFeO3 nanocrystals. 2011, 22, 385701  Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin films. 2011, 5, 190-192  Dielectric properties of BiFeO3 ceramics obtained from mechanochemically synthesized nanopowders. 2011, 27, 154-161  Influence of Dy-doping on ferroelectric and dielectric properties in Bi1.05®DyxFeO3 ceramics. 2011, 22, 323-327	44 52 7 40 26

2014	Effects of ion-doping at different sites on multiferroic properties of BiFeO3 thin films. <b>2011</b> , 102, 713-7	'17	23
2013	Crystal structure of Bi1⊠TbxFeO3 from high-resolution neutron diffraction. <b>2011</b> , 184, 1576-1579		12
2012	Block copolymer-templated BiFeO3 nanoarchitectures composed of phase-pure crystallites intermingled with a continuous mesoporosity: Effective visible-light photocatalysts?. <b>2011</b> , 4, 414-424		37
2011	Microstructure and frequency sensitive electrical conductivity in Fe3BO6:B2O3 of a hybrid vitroceramic nanocomposite. <b>2011</b> , 208, 2130-2139		3
2010	Low-Symmetry Monoclinic Phases and Polarization Rotation Path Mediated by Epitaxial Strain in Multiferroic BiFeO3 Thin Films. <b>2011</b> , 21, 133-138		216
2009	E-Field Control of Exchange Bias and Deterministic Magnetization Switching in AFM/FM/FE Multiferroic Heterostructures. <b>2011</b> , 21, 2593-2598		132
2008	Reduced coercive field in BiFeOlthin films through domain engineering. <i>Advanced Materials</i> , <b>2011</b> , 23, 669-72	24	68
2007	The nature of polarization fatigue in BiFeO3. Advanced Materials, 2011, 23, 1621-5	24	117
2006	Recent progress in multiferroic magnetoelectric composites: from bulk to thin films. <i>Advanced Materials</i> , <b>2011</b> , 23, 1062-87	24	1447
2005	Atomic-scale evolution of local electronic structure across multiferroic domain walls. <i>Advanced Materials</i> , <b>2011</b> , 23, 1530-4	24	82
2004	Atomically resolved mapping of polarization and electric fields across ferroelectric/oxide interfaces by Z-contrast imaging. <i>Advanced Materials</i> , <b>2011</b> , 23, 2474-9	24	72
2003	One-dimensional nanostructures of ferroelectric perovskites. <i>Advanced Materials</i> , <b>2011</b> , 23, 4007-34	24	231
2002	Conduction at domain walls in insulating Pb(Zr0.2 Ti0.8)O3 thin films. Advanced Materials, 2011, 23, 537	′7 <u>⊱</u> 8∤2	296
2001	Structural, ferroelectric and magnetic properties of Bi0.85Sm0.15FeO3 perovskite. <b>2011</b> , 46, 238-242		39
2000	First-principles lattice dynamics and heat capacity of BiFeO3. <b>2011</b> , 59, 4229-4234		46
1999	Multiferroic properties of (Bi1⊠Prx)(Fe0.95Mn0.05)O3 thin films. <b>2011</b> , 176, 990-995		29
1998	Mn4+:BiFeO3/Zn2+:BiFeO3 bilayered thin films of (1 1 1) orientation. <b>2011</b> , 257, 7226-7230		18
1997	Novel carbonyl ironBismuth clusters Bynthesis, structure, CO2 insertion and potential as molecular precursors for BiFeO3. <b>2011</b> , 696, 1647-1651		16

1996 Structure and magnetic order in the series BixRE1NFe0.5Mn0.5O3 (RE=La,Nd). <b>2011</b> , 184, 830-842	14
1995 BiFeO3PbZrO3PbTiO3 ternary system for high Curie temperature piezoceramics. <b>2011</b> , 31, 801-807	26
1994 Epitaxial SrRuO3/BiFeO3/SrRuO3 heterostructure sputtered at low temperature. <b>2011</b> , 316, 71-74	11
1993 Magnetic characterization of Bi(Fe1 [kMnx)O3. <b>2011</b> , 375, 1209-1212	8
Enhanced ferroelectric, magnetic and magnetoelectric properties of Bi1\(\mathbb{B}\)CaxFe1\(\mathbb{D}\)TixO3 solid solutions. <b>2011</b> , 151, 536-540	36
Enhanced room temperature ferromagnetism in porous BiFeO3 prepared using cotton templates. <b>2011</b> , 151, 624-627	18
1990 Low temperature properties of multiferroic BiFe0.9Cr0.1O3 compound. <b>2011</b> , 151, 712-715	16
1989 A study of the optical properties of Bi0.7Ba0.15La0.15FeO3 thin film. <b>2011</b> , 519, 3632-3635	6
The study of the electric and magnetic properties of PbZr0.2Ti0.8O3 <b>B</b> iFeO3 multilayers. <b>2011</b> , 519, 6269-6277	15
Raman spectra and dielectric function of BiCrO3: Experimental and first-principles studies. <b>2011</b> , 110, 073501	18
Anisotropic mechanism on distinct transition modes of tip-activated multipolorizaion switching in epitaxial BiFeO3 films. <b>2011</b> , 109, 024102	2
1985 BiFeO3 Heterostructures for Electro-Optic Modulators. <b>2011</b> ,	
1984 Ferroic phase transition sequence in epitaxial BiFeO3 thin films. <b>2011</b> , 84, 453-473	2
Origin and stability of the dipolar response in a family of tetragonal tungsten bronze relaxors. 2011 , 83,	36
Giant effect of uniaxial pressure on magnetic domain populations in multiferroic bismuth ferrite. <b>2011</b> , 107, 067203	28
1981 Epitaxial BiFeO3 nanostructures fabricated by differential etching of BiFeO3 films. <b>2011</b> , 99, 082904	15
1980 Magneto-elastic tuning of ferroelectricity within a magnetoelectric nanowire. <b>2011</b> , 99, 182901	9
EuMnO3 effects on structure and electrical properties of chemical solution deposited BiFeO3 thin films. <b>2011</b> ,	

1978	Variation of leakage mechanism and potential barrier in La and Ru co-doped BiFeO3thin films. <b>2011</b> , 44, 435302	10
1977	Rietveld analysis, dielectric and magnetic properties of Sr and Ti codoped BiFeO3 multiferroic. <b>2011</b> , 110, 073909	112
1976	Combined effects of bilayer structure and ion substitutions on bismuth ferrite thin films. <b>2011</b> , 109, 074101	11
1975	Highly textured Sr, Nb co-doped BiFeO3 thin films grown on SrRuO3/Si substrates by rf- sputtering. <b>2011</b> , 110, 024114	28
1974	Terahertz and infrared studies of antiferroelectric phase transition in multiferroic Bi0.85Nd0.15FeO3. <b>2011</b> , 110, 074112	13
1973	Valence-driven electrical behavior of manganese-modified bismuth ferrite thin films. <b>2011</b> , 109, 124118	24
1972	Impedance spectroscopy of bilayered bismuth ferrite thin films. <b>2011</b> , 110, 064104	34
1971	Effect of nonmagnetic alkaline-earth dopants on magnetic properties of BiFeO3 thin films. <b>2011</b> , 110, 033922	26
1970	Ferroelectric and electrical characterization of multiferroic BiFeO3 at the single nanoparticle level. <b>2011</b> , 99, 252905	9
1969	First-principles prediction of a two dimensional electron gas at the BiFeO3/SrTiO3 interface. <b>2011</b> , 99, 062902	26
1968	Control of Rectifying and Resistive Switching Behavior in BiFeO\$_{3}\$ Thin Films. <b>2011</b> , 4, 095802	20
1967	The role of SrRuO3 bottom layer in strain relaxation of BiFeO3 thin films deposited on lattice mismatched substrates. <b>2011</b> , 109, 07D914	19
1966	Local leakage current behaviours of BiFeO 3 films. <b>2011</b> , 20, 117701	9
1965	Enhanced Piezoelectric Constant of (1-x)BiFeO3\(\mathbb{B}\)BiCoO3Thin Films Grown on LaAlO3Substrate. <b>2011</b> , 50, 031505	21
1964	PHASE STRUCTURE, PIEZOELECTRIC AND MULTIFERRIOC BEHAVIOR OF (K0.48Na0.52)NbO3-Co2O3 PIEZOELECTRIC CERAMICS. <b>2011</b> , 04, 225-229	6
1963	FERROELECTRIC SWITCHING PATH IN MONODOMAIN RHOMBOHEDRAL BIFeO3 CRYSTAL: A FIRST-PRINCIPLES STUDY. <b>2011</b> , 01, 179-184	1
1962	Broken Symmetry, Ferroic Phase Transitions and Multifunctional Materials. <b>2011</b> , 131, 3-24	9
1961	Enhanced piezoelectric and magnetic properties of Bi1\( \mathbb{N}\)CaxFe1\( \mathbb{N}\)/2Nbx/2O3 solid solutions. <b>2011</b> , 109, 114102	9

1960	Multiferroism in orientational engineered (La, Mn) co-substituted BiFeO3 thin films. 2011, 109, 114105	31
1959	Composition and temperature-induced structural evolution in La, Sm, and Dy substituted BiFeO3 epitaxial thin films at morphotropic phase boundaries. <b>2011</b> , 110, 014106	45
1958	Magnetoelectric Feedback among Magnetic Order, Polarization, and Lattice in Multiferroic BiFeO3. <b>2011</b> , 80, 114714	35
1957	MAGNETOELECTRIC RESPONSES IN MULTIFERROIC COMPOSITE THIN FILMS. <b>2011</b> , 01, 1-16	10
1956	Ferroelectric and Magnetic Properties of Hot-Pressed BiFeO3-PVDF Composite Films. <b>2011</b> , 2011, 1-5	14
1955	Nanoscale polarization switching mechanisms in multiferroic BiFeO[thin films. 2011, 23, 142201	21
1954	High Field Neutron Diffraction Studies on Metamagnetic Transition of Multiferroic BiFeO3. <b>2011</b> , 80, 125001	28
1953	Growth rate induced monoclinic to tetragonal phase transition in epitaxial BiFeO3 (001) thin films. <b>2011</b> , 98, 102902	37
1952	The Structure and Ferromagnetic Properties of the Single Phase Bi0.95Eu0.05Fe0.95Co0.05O3 Nanoparticles Prepared by Sol-Gel. <b>2012</b> , 512-515, 1434-1437	
1951	Exchange bias in sputtered FM/BiFeO3 thin films (FM = Fe and Co). <b>2012</b> , 111, 07B105	19
1950	Optical Properties of 0.95BiFeO3-RTiO3 (R = Mg, Pb, Ba, Ca and Sr) Thin Films. <b>2012</b> , 139, 1-6	
1949	Spectroscopic imaging in piezoresponse force microscopy: New opportunities for studying polarization dynamics in ferroelectrics and multiferroics. <b>2012</b> , 2, 61-73	34
1948	Low-Temperature Synthesis and Characterization of Single-Phase BiFeO3 Nano-Crystallites. <b>2012</b> , 164, 115-119	
1947	Effect of the Type of Solvent and Bi-Stoichiometric Excess on the Purity of Nanocrystalline Bismuth Ferrite Single Phase. <b>2012</b> , 1454, 45-50	1
1946	Piezoresponse Force Microscopy Studies on (100), (110) and (111) Epitaxially Growth BiFeO3 Thin Films. <b>2012</b> , 1477, 7	1
1945	Structural and Magnetic Properties of Bi(Fe1MMnx)O3. <b>2012</b> , 25, 204-208	2
1944	Origin of magnetic anisotropy and spiral spin order in multiferroic BiFeO3. <b>2012</b> , 100, 242413	21

1942	Synthesis and study of Bi0.9Tb0.1Fe0.9Mn0.1O3 ceramics. <b>2012</b> ,	1
1941	Effect of (Bi, La)(Fe, Zn)O3 thickness on the microstructure and multiferroic properties of BiFeO3 thin films. <b>2012</b> , 112, 094109	5
1940	Aging and rejuvenation effects in bismuth ferrite micro-cubes. 2012,	
1939	Room temperature ferroelectric and magnetic investigations and detailed phase analysis of Aurivillius phase Bi5Ti3Fe0.7Co0.3O15 thin films. <b>2012</b> , 112, 052010	37
1938	Multiferroic properties of Aurivillius phase Bi6Fe2\(\mathbb{L}\)CoxTi3O18 thin films prepared by a chemical solution deposition route. <b>2012</b> , 101, 122402	70
1937	Structural transitions and unusual magnetic behavior in Mn-doped Bi1\(\mathbb{L}\)axFeO3 perovskites. <b>2012</b> , 112, 084102	21
1936	Effects of Ambient Pressure on the Structural and Magnetic Properties of Bismuth Ferrite Nanoparticles Prepared by Pulsed Laser Deposition (PLD). <b>2012</b> , 722, 53-60	
1935	The magnetic structure of an epitaxial BiMn0.5Fe0.5O3 thin film on SrTiO3 (001) studied with neutron diffraction. <b>2012</b> , 101, 172404	14
1934	Domain switching in spray pyrolysis-deposited nano-crystalline BiFeO3films. <b>2012</b> , 86, 065701	3
1933	Structural and insulator-to-metal phase transition at 50 GPa in GdMnO3. <b>2012</b> , 85,	23
1932	Piezoresponse force microscopy and vibrating sample magnetometer study of single phased Mn induced multiferroic BiFeO3 thin film. <b>2012</b> , 111, 064110	23
		12
	induced multiferroic BiFeO3 thin film. <b>2012</b> , 111, 064110	
1931	induced multiferroic BiFeO3 thin film. <b>2012</b> , 111, 064110  Orientation-dependent surface potential behavior in Nb-doped BiFeO3. <b>2012</b> , 100, 172901  Mapping of the epitaxial stabilization of quasi-tetragonal BiFeO3 with deposition temperature.	12
1931 1930	Orientation-dependent surface potential behavior in Nb-doped BiFeO3. 2012, 100, 172901  Mapping of the epitaxial stabilization of quasi-tetragonal BiFeO3 with deposition temperature. 2012, 100, 122905	12
1931 1930 1929	Orientation-dependent surface potential behavior in Nb-doped BiFeO3. 2012, 100, 172901  Mapping of the epitaxial stabilization of quasi-tetragonal BiFeO3 with deposition temperature. 2012, 100, 122905  Anisotropic conductivity of uncharged domain walls in BiFeO3. 2012, 86,  Investigation of the improved performance in a graphene/polycrystalline BiFeO3/Pt photovoltaic	12 12 53
1931 1930 1929 1928	Orientation-dependent surface potential behavior in Nb-doped BiFeO3. 2012, 100, 172901  Mapping of the epitaxial stabilization of quasi-tetragonal BiFeO3 with deposition temperature. 2012, 100, 122905  Anisotropic conductivity of uncharged domain walls in BiFeO3. 2012, 86,  Investigation of the improved performance in a graphene/polycrystalline BiFeO3/Pt photovoltaic heterojunction: Experiment, modeling, and application. 2012, 112, 054103  Influence of La and Mn dopants on the current-voltage characteristics of BiFeO3/ZnO	12 12 53 20

1924	Effects of Structural Collapse and Magnetic Moment on Magnetization in ${\rm Bi}_{0.8-{\rm rm} x}{\rm Pr}_{\rm rm x}{\rm Ba}_{0.2}{\rm rm FeO}_{3}$ $({\rm rm x}{\rm eq 0.1})$ Multiferroics. 2012, 48, 4022-4025$		1
1923	Effects of Annealing Atmosphere on Structure and Electrical Properties of (Bi0.9Eu0.1)(Fe0.9Mn0.1)O3 Thin Films. <b>2012</b> , 132, 39-44		2
1922	Reliable polarization switching of BiFeO3. <b>2012</b> , 370, 4872-89		29
1921	Origin of the enhanced polarization in La and Mg co-substituted BiFeO3 thin film during the fatigue process. <b>2012</b> , 100, 042902		33
1920	Exchange Bias in Polycrystalline BiFe 1িk Mn x O 3 /Ni 81 Fe 19 Bilayers. <b>2012</b> , 29, 097701		6
1919	Dielectric and Magnetic Behaviors of a Composite of BiFeO3/Ba Ferrite Synthesized by a Process. <b>2012</b> , 1, N49-N52		
1918	Sputter-prepared BiFeO3(001) films on L10 FePt(001)/glass substrates. <b>2012</b> , 111, 07D918		17
1917	Structural transformation and improved dielectric and magnetic properties in Ti-substituted Bi0.8La0.2FeO3multiferroics. <b>2012</b> , 45, 165001		46
1916	Study on the Structural, Electrical, and Magnetic Properties of Pure and (Pr\$^{3+}\$,Co\$^{2+}\$)-Doped BiFeO\$_{3}\$ Powders and Thin Films. <b>2012</b> , 51, 11PG06		
1915	Effect of Praseodymium Species on the Structural and Functional Properties of Nanocrystalline BiFeO3 Powders and Thin Films. <b>2012</b> , 1454, 39-44		O
1914	Preparation and Properties of Multiferroic La-Doped BiFeO3 Thin Film. 2012, 486, 417-421		2
1913	Magnetoelectricity in multiferroic particulate composites with arbitrary crystallographic orientation. <b>2012</b> , 21, 105038		4
1912	Active control of ferroelectric switching using defect-dipole engineering. <i>Advanced Materials</i> , <b>2012</b> , 24, 6490-5	24	62
1911	Elimination of domain backswitching in BiFe0.95Mn0.05O3 thin films by lowering the layer thickness. <b>2012</b> , 111, 066107		7
1910	Ferroic states and phase coexistence in BiFeO3-BaTiO3 solid solutions. <b>2012</b> , 112, 104112		54
1909	Phase Transition and Electrical Properties of Ba0.7Ca0.3TiO3BiFeO3 Ceramics. 2012, 95, 3901-3905		9
1908	Low Temperature Synthesis, Structural, Optical and Magnetic Properties of Bismuth Ferrite Nanoparticles. <b>2012</b> , 95, 3678-3682		51
1907	Hydrothermal Synthesis and Magnetic Properties of Bismuth Ferrites Nanocrystals with Various Morphology. <b>2012</b> , 95, 3922-3927		33

1906	Advanced synthesis techniques and routes to new single-phase multiferroics. <b>2012</b> , 16, 199-215	84
1905	Magnetically Driven Dielectric and Structural Behavior in Bi0.5La0.5FeO3. <b>2012</b> , 24, 4563-4571	20
1904	Magnetoelastic coupling and multiferroic ferroelastic/magnetic phase transitions in the perovskite KMnF3. <b>2012</b> , 85,	48
1903	Integration of first-principles methods and crystallographic database searches for new ferroelectrics: Strategies and explorations. <b>2012</b> , 195, 21-31	38
1902	Non-linear thermal evolution of the crystal structure and phase transitions of LaFeO3 investigated by high temperature X-ray diffraction. <b>2012</b> , 196, 249-254	61
1901	Electric-field control of magnetic ordering in the tetragonal-like BiFeO 3. <b>2012</b> , 97, 57007	21
1900	Magnetoelectric and multiferroic media. <b>2012</b> , 55, 557-581	404
1899	Suppression of mixed-phase areas in highly elongated BiFeO3 thin films on NdAlO3 substrates. <b>2012</b> , 86,	31
1898	RhombohedralBrthorhombic morphotropic phase boundary in BiFeO3-based multiferroics: first-principles prediction. <b>2012</b> , 22, 1667-1672	45
1897	Polar and nonpolar phases of BiMO3: A review. <b>2012</b> , 195, 32-40	118
1897 1896	Polar and nonpolar phases of BiMO3: A review. <b>2012</b> , 195, 32-40  Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. <b>2012</b> , 109, 047601	118 50
, , , , , , , , , , , , , , , , , , ,	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. <b>2012</b> ,	
1896	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. <b>2012</b> , 109, 047601  Potential barrier increase due to Gd doping of BiFeO3 layers in Nb:SrTiO3-BiFeO3-Pt structures	50
1896 1895	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. 2012, 109, 047601  Potential barrier increase due to Gd doping of BiFeO3 layers in Nb:SrTiO3-BiFeO3-Pt structures displaying diode-like behavior. 2012, 100, 252903  Structural and magnetic properties of isovalently substituted multiferroic BiFeO3: Insights from	50
1896 1895 1894	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. 2012, 109, 047601  Potential barrier increase due to Gd doping of BiFeO3 layers in Nb:SrTiO3-BiFeO3-Pt structures displaying diode-like behavior. 2012, 100, 252903  Structural and magnetic properties of isovalently substituted multiferroic BiFeO3: Insights from Raman spectroscopy. 2012, 86,  Domain structure and piezoelectric response in lanthanide rare earth-substituted multiferroic	50 19 140
1896 1895 1894	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. 2012, 109, 047601  Potential barrier increase due to Gd doping of BiFeO3 layers in Nb:SrTiO3-BiFeO3-Pt structures displaying diode-like behavior. 2012, 100, 252903  Structural and magnetic properties of isovalently substituted multiferroic BiFeO3: Insights from Raman spectroscopy. 2012, 86,  Domain structure and piezoelectric response in lanthanide rare earth-substituted multiferroic BiFeO3thin films. 2012, 45, 325001  Perovskite B-Site Compositional Control of [110] Polar Displacement Coupling in an	50 19 140
1896 1895 1894 1893	Evidence of sharp and diffuse domain walls in BiFeO3 by means of unit-cell-wise strain and polarization maps obtained with high resolution scanning transmission electron microscopy. 2012, 109, 047601  Potential barrier increase due to Gd doping of BiFeO3 layers in Nb:SrTiO3-BiFeO3-Pt structures displaying diode-like behavior. 2012, 100, 252903  Structural and magnetic properties of isovalently substituted multiferroic BiFeO3: Insights from Raman spectroscopy. 2012, 86,  Domain structure and piezoelectric response in lanthanide rare earth-substituted multiferroic BiFeO3thin films. 2012, 45, 325001  Perovskite B-Site Compositional Control of [110] Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric. 2012, 124, 10928-10933  Perovskite B-site compositional control of [110] polar displacement coupling in an	50 19 140 14

1888	Structure evolution and photocatalytic activity of BiFeO3 powders synthesized by hydrothermal decomposition of metal-EDTA complexes. <b>2012</b> , 23, 2145-2151	3
1887	Tunable morphology and optical absorption of bismuth ferrite synthesized by solgeliydrothermal method. <b>2012</b> , 23, 2276-2281	9
1886	Synthesis of BiFeO3 nanoparticles with small size. <b>2012</b> , 64, 104-109	5
1885	Particle size dependent magnetic properties and phase transitions in multiferroic BiFeO3 nano-particles. <b>2012</b> , 543, 206-212	96
1884	Lattice dynamics and dielectric functions of multiferroic BiFeO3/c-sapphire films determined by infrared reflectance spectra and temperature-dependent Raman scattering. <b>2012</b> , 525, 188-194	8
1883	Magnon Raman spectroscopy and in-plane dielectric response in BiFeO3: Relation to the Polomska transition. <b>2012</b> , 85,	28
1882	Photoluminescence Investigation of Defects and Optical Band Gap in Multiferroic BiFeO\$_{3}\$ Single Crystals. <b>2012</b> , 5, 035802	40
1881	Emergent phenomena at multiferroic heterointerfaces. <b>2012</b> , 370, 4856-71	38
1880	The structural and multiferroic properties of (Bi1\( \text{BLax}\) (Fe0.95Co0.05)O3 ceramics. <b>2012</b> , 407, 4793-4796	10
1879	Slow magnetic dynamics in the K3M3IIM2IIIF15 multiferroic system. <b>2012</b> , 112, 073908	4
,,	Slow magnetic dynamics in the K3M3IIM2IIIF15 multiferroic system. <b>2012</b> , 112, 073908  Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. <b>2012</b> , 111, 123916	38
,,	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. <b>2012</b> , 111, 123916	
1878	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. <b>2012</b> , 111, 123916  Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin	
1878	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. <b>2012</b> , 111, 123916  Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin films grown using Pulsed Laser Deposition. <b>2012</b> ,  Study of strain effect on in-plane polarization in epitaxial BiFeO3 thin films using planar electrodes.	38
1878 1877 1876	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. 2012, 111, 123916  Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin films grown using Pulsed Laser Deposition. 2012,  Study of strain effect on in-plane polarization in epitaxial BiFeO3 thin films using planar electrodes. 2012, 86,  Combinatorial search of structural transitions: Systematic investigation of morphotropic phase	38 43
1878 1877 1876 1875	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. 2012, 111, 123916  Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin films grown using Pulsed Laser Deposition. 2012,  Study of strain effect on in-plane polarization in epitaxial BiFeO3 thin films using planar electrodes. 2012, 86,  Combinatorial search of structural transitions: Systematic investigation of morphotropic phase boundaries in chemically substituted BiFeO3. 2012, 27, 2691-2704  Electrical Properties of (Bi0.9Ho0.1)(Fe0.975Cr0.025)O3 Thin Films Prepared by Using a Chemical	38 43
1878 1877 1876 1875	Weak ferromagnetism in La-doped BiFeO3 multiferroic thin films. 2012, 111, 123916  Effect of Barium Titanate buffer layer on dielectric properties of Sodium Bismuth Titanate thin films grown using Pulsed Laser Deposition. 2012,  Study of strain effect on in-plane polarization in epitaxial BiFeO3 thin films using planar electrodes. 2012, 86,  Combinatorial search of structural transitions: Systematic investigation of morphotropic phase boundaries in chemically substituted BiFeO3. 2012, 27, 2691-2704  Electrical Properties of (Bi0.9Ho0.1)(Fe0.975Cr0.025)O3 Thin Films Prepared by Using a Chemical Solution Deposition. 2012, 140, 49-55  A method to improve electrical properties of BiFeO3 thin films. 2012, 4, 1182-5	38 43 38

1870	Discovery and Design of Functional Materials: Integration of Database Searching and First Principles Calculations. <b>2012</b> , 34, 14-23	22
1869	Resistive switching in ceramic multiferroic Bi0.9Ca0.1FeO3. <b>2012</b> , 407, 3144-3146	15
1868	Physics, chemistry and synthesis methods of nanostructured bismuth ferrite (BiFeO3) as a ferroelectro-magnetic material. <b>2012</b> , 40, 6-15	106
1867	Enhanced magnetic parameters in the morphotropic phase boundary region of nanocrystalline multiferroic Bi1[la FeO3. <b>2012</b> , 152, 1609-1612	16
1866	Strain dependence of polarization and piezoelectric response in epitaxial BiFeO3 thin films. <b>2012</b> , 24, 162202	53
1865	Regular nanodomain vertex arrays in BiFeO3 single crystals. <b>2012</b> , 85,	7
1864	First-principles investigation of the structural phases and enhanced response properties of the BiFeO3-LaFeO3 multiferroic solid solution. <b>2012</b> , 85,	50
1863	On the Link Beween Octahedral Rotations and Conductivity in the Domain Walls of BiFeO3. <b>2012</b> , 433, 65-73	15
1862	Sillen Aurivillius Intergrowth Phases as Templates for Naturally Layered Multiferroics. 2012, 24, 3932-3942	23
1861	Piezoelectric nonlinearity and frequency dispersion of the direct piezoelectric response of BiFeO3 ceramics. <b>2012</b> , 112, 064114	33
1860	Magnetoelectric properties of PbZr0.53Ti0.47O3Ni0.65Zn0.35Fe2O4 multiferroic nanocomposites. <b>2012</b> , 2, 261-273	69
1859	Spintronic oxides grown by laser-MBE. <b>2012</b> , 45, 033001	97
1858	Nanostructured BiMnO3+\( \overline{0}\) btained at ambient pressure: analysis of its multiferroicity. <b>2012</b> , 22, 9928	23
1857	Enhanced magnetic properties of chemical solution deposited BiFeO3 thin film with ZnO buffer layer. <b>2012</b> , 177, 908-912	6
1856	Dielectric and optical properties of BiFeO3(Na0.5Bi0.5)TiO3 thin films deposited on Si substrate using LaNiO3 as buffer layer for photovoltaic devices. <b>2012</b> , 513, 154-158	16
1855	Multiferroic properties of Y-doped BiFeO3. <b>2012</b> , 540, 36-38	38
1854	High optical performance and practicality of active plasmonic devices based on rhombohedral BiFeO3. <b>2012</b> , 6, 684-689	15
1853	Magnetic and electrical properties of multiferroic BiFeO3, its synthesis and applications. <b>2012</b> , 48, 1210-1225	7

#### (2012-2012)

1852	sputter-prepared (001) BiFeO3 thin rilms with rerromagnetic L10-FePt(001) electrode on glass substrates. <b>2012</b> , 7, 435	17
1851	Structural and Multiferroic Properties of Chemical-Solution-Deposited (Bi\$_{0.95}\$La\$_{0.05}\$)(Fe\$_{0.97}\$Cr\$_{0.03}\$)O\$_{3}\$/NiFe\$_{2}\$O\$_{4}\$ Double-Layered Thin Film. <b>2012</b> , 51, 09MD06	1
1850	Multiferroic properties of Ba2+and Gd3+co-doped bismuth ferrite: magnetic, ferroelectric and impedance spectroscopic analysis. <b>2012</b> , 45, 455002	91
1849	Multiferroic and fatigue behavior of BiFe(0.95)Mn(0.05)O3/Bi(0.90)La(0.10)Fe(0.85)Zn(0.15)O3 bilayered thin films. <b>2012</b> , 59, 14-20	3
1848	Prominent electrochromism through vacancy-order melting in a complex oxide. <b>2012</b> , 3, 799	69
1847	Anisotropic bimodal distribution of blocking temperature with multiferroic BiFeO3 epitaxial thin films. <b>2012</b> , 100, 072402	19
1846	Nanoscale characterization of emergent phenomena in multiferroics. <b>2012</b> , 16, 216-226	14
1845	On the problem of coexistence of the weak ferromagnetism and the spin flexoelectricity in multiferroic bismuth ferrite. <b>2012</b> , 99, 57003	39
1844	Electrical properties in lanthanides substituted (Bi0.9 A 0.1)(Fe0.975Co0.025)O3I(A = La, Eu, Gd) thin films. <b>2012</b> , 61, 1409-1412	3
1843	Effect of sintering temperature on the piezoelectric properties in BiFeO3-BaTiO3 ceramics. <b>2012</b> , 61, 947-950	34
1842	Crystal structure and piezoelectric properties of KNbO3-BiFeO3 ceramics. 2012, 61, 956-960	3
1841	Thermal evolution of the full three-dimensional magnetic excitations in the multiferroic BiFeO3. <b>2012</b> , 86,	17
1840	Magnetic cycloid of BiFeO3 from atomistic simulations. <b>2012</b> , 109, 037207	67
1839	Enhanced Magnetization and Ferroelectric Switching in Multiferroic BST/BNFO Superstructures. <b>2012</b> , 433, 158-163	10
1838	Observation of Enhanced Dielectric Coupling and Room-Temperature Ferromagnetism in Chemically Synthesized BiFeO3@SiO2 CoreBhell Particles. <b>2012</b> , 116, 19503-19511	38
1837	Structural, Magnetic, and Electrical Properties of Bi1 $\square$ LaxMnO3(x = 0.0, 0.1, and 0.2) Solid Solutions. <b>2012</b> , 24, 199-208	15
1836	magnetic dispersion and anisotropy in multiferroic BiFeO3. <b>2012</b> , 109, 067205	79
1835	Ferroelectric and magnetic properties of Fe-doped BaTiO3 thin films grown by the pulsed laser deposition. <b>2012</b> ,	

1834	High-temperature phonon spectra of multiferroic BiFeO3 from inelastic neutron spectroscopy. <b>2012</b> , 100, 142901	7
1833	Development of NMR: Solid-State NMR and Materials Science, Post 1995. <b>2012</b> ,	3
1832	The Structure <b>P</b> roperty Investigation of Bi1⊠CexFeO3 (x = 0, 0.05)Ili Battery: In Situ XRD and XANES Studies. <b>2012</b> , 116, 20230-20238	16
1831	Oxide interfaces: pathways to novel phenomena. <b>2012</b> , 15, 320-327	114
1830	BiFeO3[Na0.5Bi0.5)TiO3 butterfly wing scales: Synthesis, visible-light photocatalytic and magnetic properties. <b>2012</b> , 32, 4335-4340	24
1829	Study of structural, magnetic and electrical properties on Ho-substituted BiFeO3. <b>2012</b> , 152, 2071-2077	45
1828	Strain-induced phase transitions in multiferroic BiFeO3 . <b>2012</b> , 376, 3368-3371	5
1827	Structure and phase transition of BiFeO3 cubic micro-particles prepared by hydrothermal method. <b>2012</b> , 47, 3630-3636	28
1826	Low-temperature hydrothermal synthesis of BiFeO3 microcrystals and their visible-light photocatalytic activity. <b>2012</b> , 47, 3513-3517	44
1825	Preparation, structural, dielectric and magnetic properties of LaFeO3PbTiO3 solid solutions. <b>2012</b> , 47, 3253-3268	27
1824	Nanoscale piezoresponse and magnetic studies of multiferroic Co and Pr co-substituted BFO thin films. <b>2012</b> , 47, 4240-4245	35
1823	Microwave Response of BiFeO3 Films in Parallel-Plate Capacitors. <b>2012</b> , 134, 111-117	2
1822	Doping BiFeO3: approaches and enhanced functionality. <b>2012</b> , 14, 15953-62	286
1821	Electronic structure of YMn2O5 studied by EELS and first-principles calculations. <b>2012</b> , 7, 429-434	3
1820	Electric field driven phase transition and possible twining quasi-tetragonal phase in compressively strained BiFeO3 thin films. <b>2012</b> , 7, 424-428	3
1819	Microstructure of BaTiO\$_{3}\$Bi(Mg\$_{1/2}\$Ti\$_{1/2}\$)O\$_{3}\$BiFeO\$_{3}\$ Piezoelectric Ceramics. <b>2012</b> , 51, 09LD04	18
1818	Multiferroic complex metal oxides: Main features of preparation, structure, and properties. <b>2012</b> , 163-238	12
1817	Dielectric and Magnetic Properties of Magnetoelectric Delafossites. <b>2012</b> , 438, 101-106	4

1816	Microstructure of the potentially multiferroic Fe/BaTiO3 epitaxial interface. <b>2012</b> , 92, 1733-1747	1
1815	Lead-Free Relaxor-Like 0.75Bi0.5K0.5TiO3 <b>(D</b> .25BiFeO3 Ceramics with Large Electric Field-Induced Strain. <b>2012</b> , 439, 88-94	25
1814	Mn doping-induced structural and magnetic transformations in the antiferroelectric phase of the Bi1\( \text{Bi1}\text{N}\) dxFeO3 perovskites. <b>2012</b> , 112, 064105	12
1813	Controlling magnetoelectric coupling by nanoscale phase transformation in strain engineered bismuth ferrite. <b>2012</b> , 4, 3175-83	34
1812	Photo-to-current response of Bi2Fe4O9 nanocrystals synthesized through a chemical co-precipitation process. <b>2012</b> , 36, 1297	35
1811	Enhanced electric conductivity at ferroelectric vortex cores in BiFeO3. <b>2012</b> , 8, 81-88	271
1810	Mechanical milling assisted synthesis of BaMn co-substituted BiFeO3ceramics and their properties. <b>2012</b> , 45, 415302	27
1809	Electric field control of magnetism in multiferroic heterostructures. <b>2012</b> , 24, 333201	289
1808	Effect of Mn substitution on crystal structure and magnetic properties of Bi1\( \text{Bi1}\text{PrxFeO3}\) multiferroics. <b>2012</b> , 45, 045302	28
1807	Photoluminescence from Bi5(GaCl4)3 molecular crystal. <b>2012</b> , 41, 11055-61	24
1806	Soft phonon mode coupled with antiferromagnetic order in incipient-ferroelectric Mott insulators Sr1NBaxMnO3. <b>2012</b> , 86,	30
1805	Heliconical magnetic order and field-induced multiferroicity of the Co2Y-type hexaferrite Ba0.3Sr1.7Co2Fe12O22. <b>2012</b> , 86,	41
1804	Pressure-induced phase transitions and structure of chemically ordered nanoregions in the lead-free relaxor ferroelectric Na1/2Bi1/2TiO3. <b>2012</b> , 86,	28
1803	Antiferromagnetic transitions in tetragonal-like BiFeO3. <b>2012</b> , 85,	53
1802	A polar corundum oxide displaying weak ferromagnetism at room temperature. <b>2012</b> , 134, 3737-47	59
1801	Polarization and strain response in Bi0.5K0.5TiO3-BiFeO3 ceramics. <b>2012</b> , 101, 252904	44
1800	Anharmonic phonons and magnons in BiFeO3. <b>2012</b> , 85,	28
1799	High-temperature ferroic phase transitions and paraelectric cubic phase in multiferroic Bi0.95+Ee0.9Zr0.1O3. <b>2012</b> , 111, 114106	5

1798	Structural, morphological and piezoresponse studies of Pr and Sc co-substituted BiFeO3ceramics. <b>2012</b> , 45, 055302	63
1797	Negative capacitance induced by redistribution of oxygen vacancies in the fatigued BiFeO3-based thin film. <b>2012</b> , 101, 022904	8
1796	Multiferroic Memories. <b>2012</b> , 2012, 1-12	73
1795	Electronic Band Structures and Phase Transitions of Ferroelectric and Multiferroic Oxides. <b>2012</b> ,	
1794	In-plane dielectric and magnetoelectric studies of BiFeO3. <b>2012</b> , 209, 1207-1212	24
1793	Grain and grain boundary effects in Ca2+ doped BiFeO3 multiferroic ceramics. <b>2012</b> , 249, 1639-1645	26
1792	Direct imaging of both ferroelectric and antiferromagnetic domains in multiferroic BiFeO3 single crystal using x-ray photoemission electron microscopy. <b>2012</b> , 100, 042406	13
1791	A separation mechanism of photogenerated charges and magnetic properties for BiFeO3 microspheres synthesized by a facile hydrothermal method. <b>2012</b> , 14, 8376-81	18
1790	Advanced nanoarchitectures for solar photocatalytic applications. <b>2012</b> , 112, 1555-614	1888
1789	BiGaO3-Based Perovskites: A Large Family of Polar Materials. <b>2012</b> , 24, 3056-3064	45
1788	Observation of room temperature saturated ferroelectric polarization in Dy substituted BiFeO3 ceramics. <b>2012</b> , 111, 074105	65
1787	Relaxor ferroelectric behavior of BaMnO3 (2H) at room temperature. <b>2012</b> , 100, 042904	16
1786	Magnetic enhancement across a ferroelectric⊞ntiferroelectric phase boundary in Bi1⊠NdxFeO3. <b>2012</b> , 111, 053927	61
1785	Structure and magnetic properties of Y1\( \text{LuxFeO3} \) (0 \( \text{L} \text{L} \)) ceramics. <b>2012</b> , 111, 053911	39
1784	Manage to a constitution of the constitution o	16
	Magnetocapacitance effect in nonmultiferroic YFeO3 single crystal. <b>2012</b> , 111, 034103	46
1783	Dielectric relaxation in the DyMn1NFexO3 system. <b>2012</b> , 111, 034104	21
, ,		

1780	Surface phase transitions in BiFeO3 below room temperature. <b>2012</b> , 85,	59
1779	Local Oxygen-Vacancy Ordering and Twinned Octahedral Tilting Pattern in the Bi0.81Pb0.19FeO2.905 Cubic Perovskite. <b>2012</b> , 24, 1378-1385	31
1778	Temperature Dependent Magnetic, Dielectric Studies of Sm-Substituted Bulk BiFeO3. <b>2012</b> , 25, 1109-1114	10
1777	Raman study of the phonon symmetries in BiFeO3 single crystals. <b>2012</b> , 86,	44
1776	Ultrathin limit and dead-layer effects in local polarization switching of BiFeO3. 2012, 85,	60
1775	Effect of pressure on the band gap and the local FeO6 environment in BiFeO3. <b>2012</b> , 85,	43
1774	Studies on multiferroic materials in high magnetic fields. <b>2012</b> , 7, 386-398	20
1773	High temperature extended x-ray absorption fine structure study of multiferroic BiFeO3. <b>2012</b> , 24, 336005	3
1772	Epitaxial Magnetic Oxide Nanocrystals Via Phase Decomposition of Bismuth Perovskite Precursors. <b>2012</b> , 22, 5224-5230	24
1771	Electrical control of multiferroic orderings in mixed-phase BiFeOIfilms. <i>Advanced Materials</i> , <b>2012</b> , 24, 3070-5	49
1770	Multiferroics by Rational Design: Implementing Ferroelectricity in Molecule-Based Magnets. <b>2012</b> , 124, 8481-8485	34
1769	Multiferroics by rational design: implementing ferroelectricity in molecule-based magnets. <b>2012</b> , 51, 8356-60	147
1768	Study of nanocrystalline BiMnO3-PbTiO3: synthesis, structural elucidation, and magnetic characterization of the whole solid solution. <b>2012</b> , 18, 9075-82	13
1767	Structural, spectroscopic, magnetic and electrical characterization of Ca-doped polycrystalline bismuth ferrite, Bi(1-x)Ca(x)FeO(3-x/2) (x 🗓.1). <b>2012</b> , 24, 045905	29
1766	Domain wall nanoelectronics. <b>2012</b> , 84, 119-156	848
1765	Magnetoelectric and multiferroic media. <b>2012</b> , 182, 593	63
1764	Photoexcitation of gigahertz longitudinal and shear acoustic waves in BiFeO3 multiferroic single crystal. <b>2012</b> , 100, 212906	48
1763	Atomic-scale evolution of modulated phases at the ferroelectric-antiferroelectric morphotropic phase boundary controlled by flexoelectric interaction. <b>2012</b> , 3, 775	135

1762	Synthesis and dielectric properties of BiFeO3 derived from molten salt method. <b>2012</b> , 23, 990-994	39
1761	Decomposition behavior and dielectric properties of Ti-doped BiFeO3 ceramics derived from molten salt method. <b>2012</b> , 23, 1533-1537	14
1760	High temperature piezoelectric BiScO3PbTiO3 synthesized by mechanochemical methods. <b>2012</b> , 60, 1174-1183	41
1759	Multiferroic and magnetoelectric heterostructures. <b>2012</b> , 60, 2449-2470	158
1758	(Ba, Ca)(Ti, Zr)O3-BiFeO3 lead-free piezoelectric ceramics. <b>2012</b> , 12, 534-538	49
1757	Dielectric properties and related ferroelectric domain configurations in multiferroic BiFeO3 <b>B</b> aTiO3 solid solutions. <b>2012</b> , 38, S411-S414	52
1756	Effect of BNBTKNN on the electrical properties of bismuth ferrite thin films. 2012, 38, 707-711	1
1755	Multiferroic and piezoelectric properties of 0.65BiFeO3D.35BaTiO3 ceramic with pseudo-cubic symmetry. <b>2012</b> , 38, 3499-3502	62
1754	Crystal structure refinement of Bi1⊠NdxFeO3 multiferroic by the Rietveld method. <b>2012</b> , 38, 3935-3942	107
1753	Photo-induced properties in BiFeO3 film. <b>2012</b> , 132, 364-367	7
1753 1752	Photo-induced properties in BiFeO3 film. <b>2012</b> , 132, 364-367  Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. <b>2012</b> , 133, 1011-1017	7 35
1752		
1752	Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. <b>2012</b> , 133, 1011-1017	35
1752 1751	Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. <b>2012</b> , 133, 1011-1017  Enhancing the magnetic characteristics of BiFeO3 nanoparticles by Ca, Ba co-doping. <b>2012</b> , 135, 144-149	35
1752 1751 1750	Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. <b>2012</b> , 133, 1011-1017  Enhancing the magnetic characteristics of BiFeO3 nanoparticles by Ca, Ba co-doping. <b>2012</b> , 135, 144-149  ConductorInsulator transition and electronic structure of Ca-doped BiFeO3 films. <b>2012</b> , 83, 124-126	35 38 25
1752 1751 1750 1749	Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. 2012, 133, 1011-1017  Enhancing the magnetic characteristics of BiFeO3 nanoparticles by Ca, Ba co-doping. 2012, 135, 144-149  ConductorInsulator transition and electronic structure of Ca-doped BiFeO3 films. 2012, 83, 124-126  Effect of Ba(Cu1/3Nb2/3)O3 content on multiferroic properties in BiFeO3 ceramics. 2012, 177, 451-455  Magnetism and electrode dependant resistive switching in Ca-doped ceramic bismuth ferrite. 2012,	35 38 25 8
1752 1751 1750 1749 1748	Mechanism of small-polaron formation in the biferroic YCrO3 doped with calcium. 2012, 133, 1011-1017  Enhancing the magnetic characteristics of BiFeO3 nanoparticles by Ca, Ba co-doping. 2012, 135, 144-149  ConductorInsulator transition and electronic structure of Ca-doped BiFeO3 films. 2012, 83, 124-126  Effect of Ba(Cu1/3Nb2/3)O3 content on multiferroic properties in BiFeO3 ceramics. 2012, 177, 451-455  Magnetism and electrode dependant resistive switching in Ca-doped ceramic bismuth ferrite. 2012, 177, 471-475  Modulations in structural and ferroelectric properties due to tensile strain in BiFeO3 films on	35 38 25 8 20

Raman spectroscopic and X-ray diffraction investigations of epitaxial BiCrO3 thin films. 2012, 520, 4590-4594 2 Growth temperature dependent dielectric properties of BiFeO3 thin films deposited on silica glass 23 1743 substrates. 2012, 520, 4470-4474 1742 Study on dielectric and magnetic properties of Ho3Fe5O12 ceramics. 2012, 407, 485-488 15 Magnetic properties of Ni-substituted BiFeO3. 2012, 407, 560-563 1741 17 Enhanced magnetization and suppressed current leakage in BiFeO3 ceramics prepared by spark 1740 23 plasma sintering of soldel derived nanoparticles. 2012, 407, 1196-1202 Nonmonotonic variation of magnetization in Bi0.8La0.2⊠PbxFeO3 (0⊠D.2) multiferroics. 2012, 16 1739 324, 200-204 Wide Range Magnetoresistance in Rare Earth Manganite Through Substitution of Magnetic 1738 2 Impurity. 2012, 48, 1155-1158 Domain walls, magnetization, and magnetoelectric effect in bismuth ferrite films. 2012, 54, 1070-1078 Effect of BiFeO3 ceramics morphology on electrodynamic properties in the terahertz frequency 6 1736 range. 2012, 54, 1191-1198 Origin of a Tetragonal BiFeO3 Phase with a Giant c/a Ratio on SrTiO3 Substrates. 2012, 22, 937-942 1735 57 Spatially resolved photodetection in leaky ferroelectric BiFeO(3). Advanced Materials, 2012, 24, OP49-5324 25 Structural and magnetic phase transitions in Bi1 $\mathbb{N}$  Pr x FeO3 perovskites. **2012**, 47, 1578-1581 55 Temperature dependence of optical and structural properties of ferroelectric B3.15Nd0.85Ti3O12 5 thin film derived by soldel process. 2012, 61, 236-242 Multiferroic behavior in elemental selenium below 40 K: effect of electronic topology. 2013, 3, 2051 8 1730 The Multiferroic Properties of Zn Doped BiFeO3 Thin Films. 2013, 26, 2785-2789 13 Magnetic Field-Induced Ferroelectric Switching in Multiferroic Aurivillius Phase Thin Films at Room 1729 137 Temperature. 2013, 96, 2339-2357 1728 Effect of particle size on ferroelectric and magnetic properties of BiFeOIhanopowders. 2013, 24, 355701 54 1727 Dielectric, Ferroelectric, and Piezoelectric Properties of BiFeO3BaTiO3 Ceramics. 2013, 96, 3163-3168 118

1726	Tunable bandgap in BiFeO3 nanoparticles: The role of microstrain and oxygen defects. <b>2013</b> , 103, 022910	184
1725	Pressure effect on structural and vibrational properties of Y-substituted BiFeO3. <b>2013</b> , 25, 365401	5
1724	Structural and improved electrical properties of rare earth (Sm, Tb and Ho) doped BiFe0.975Mn0.025O3 thin films. <b>2013</b> , 31, 275-279	6
1723	Weak ferromagnetic polar phase in the BiFe1⊠TixO3 multiferroics. <b>2013</b> , 48, 3852-3856	12
1722	Lattice distortion and room-temperature ferroelectric properties of (Sm, Cr) co-doped BiFeO3 thin films. <b>2013</b> , 24, 4296-4301	6
1721	Raman and electrical studies of multiferroic BiFeO3. <b>2013</b> , 24, 3581-3586	11
1720	Effect of Gd-substitution on phase transition and conduction mechanism of BiFeO3. 2013, 24, 2767-2771	39
1719	Synthesis of single phase bismuth ferrite compound by reliable one-step method. <b>2013</b> , 24, 2950-2955	30
1718	Structural, dielectric and magnetic characterization of large scale template synthesized Gd doped BiFeO3 nanowires. <b>2013</b> , 24, 2112-2115	11
1717	Effect of simultaneous chemical substitution of A and B sites on the electronic structure of BiFeO3 films grown on BaTiO3/SiO2/Si substrate. <b>2013</b> , 24, 2128-2134	23
1716	Effect of rare earth dopants on the morphologies and photocatalytic activities of BiFeO3 microcrystallites. <b>2013</b> , 24, 1530-1535	20
1715	Multiferroic and optical properties of Pr-substituted bismuth ferrite ceramics. <b>2013</b> , 210, 1442-1447	19
1714	Electrophoretic deposition of multiferroic BiFeO3 sub-micrometric particles from stabilized suspensions. <b>2013</b> , 33, 1325-1333	29
1713	Enhancement of magnetization in Er doped BiFeO3 thin Film. <b>2013</b> , 67, 1-7	14
1712	Influence of lone pair doping on the multiferroic property of orthorhombic HoMnO3: ab initio prediction. <b>2013</b> , 25, 385901	2
1711	Electromagnon excitations in canted-spin multiferroics. <b>2013</b> , 102, 252906	6
1710	Surface distortions in a weak ferromagnet. <b>2013</b> , 55, 986-989	2
1709	Ferroelectric and magnetic properties of Fe-doped BaTiO3 thin films grown by the pulsed laser deposition. <b>2013</b> , 113, 187219	37

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1708	Effect of lone-electron-pair cations on the orientation of crystallographic shear planes in anion-deficient perovskites. <b>2013</b> , 52, 10009-20	14
1707	Multiferroic and resistive switching behaviors in BiFe0.95Cr0.05O3 thin films deposited on Pt/Ti/SiO2/Si substrates. <b>2013</b> , 113, 779-785	
1706	Bismuth ferrite composite thin films. 2013, 111, 1017-1020	4
1705	Electromagnon in multiferroic materials with Dzyaloshinsky-Moriya-interaction-induced helical spin structures. <b>2013</b> , 62, 1763-1768	3
1704	Structural phase relations in perovskite-structured BiFeO3-based multiferroic compounds. <b>2013</b> , 2, 103-111	18
1703	Thermal diffusion and heat conductivity of BiFeO3 and Bi0.95La0.05FeO3 multiferroics at high temperatures. <b>2013</b> , 97, 470-472	10
1702	Artificial multiferroic heterostructures. <b>2013</b> , 1, 6731	66
1701	Transition-Metal Perovskites. <b>2013</b> , 1-40	1
1700	Dielectric and magnetic properties of multiferroic BiFeO3 ceramics sintered with the powders prepared by hydrothermal method. <b>2013</b> , 19, 117-121	26
1699	Evolution of crystal structure and ferroic properties of La-doped BiFeO3 ceramics near the rhombohedral-orthorhombic phase boundary. <b>2013</b> , 555, 101-107	50
1698	Nucleation-induced self-assembly of multiferroic BiFeO3-CoFe2O4 nanocomposites. <b>2013</b> , 13, 3884-9	60
1697	Thermally activated magnetization reversal in bulk BiFe0.5Mn0.5O3. <b>2013</b> , 88,	21
1696	Structure <b>P</b> roperty Correlations in Rare-Earth-Substituted BiFeO3 Epitaxial Thin Films at the Morphotropic Phase Boundary. <b>2013</b> , 195-219	2
1695	Structural and nanomechanical properties of BiFeO3 thin films deposited by radio frequency magnetron sputtering. <b>2013</b> , 8, 297	31
1694	Solution Synthesis of BiFeO3 Thin Films onto Silicon Substrates with Ferroelectric, Magnetic, and Optical Functionalities. <b>2013</b> , 96, 3061-3069	22
1693	Insights into the phase diagram of bismuth ferrite from quasiharmonic free-energy calculations. <b>2013</b> , 88,	46
1692	Exchange bias and magneto-resistance in an all-oxide spin valve with multi-ferroic BiFeO3 as the pinning layer. <b>2013</b> , 61, 7444-7453	7
1691	Structural phase transition and multiferroic properties of single-phase Bi1\(\mathbb{R}\)ErxFe0.95Co0.05O3. <b>2013</b> , 97, 56-58	25

1690	Magnetic enhancement across a ferroelectricparaelectric phase boundary in Bi1⊠SmxFeO3. <b>2013</b> , 411, 106-109	27
1689	Oxygen-vacancy ordering in multiferroic Bi $1$ Ca x FeO $3$ Z/2 (0.1 ? x ? 0.5). <b>2013</b> , 102, 27002	3
1688	Crystal structure and properties of high-pressure-synthesized BiRhO3, LuRhO3, and NdRhO3. <b>2013</b> , 200, 271-278	12
1687	Effects of microwave sintering power on microstructure, dielectric, ferroelectric and magnetic properties of bismuth ferrite ceramics. <b>2013</b> , 554, 64-71	48
1686	Orientation dependence of resistive hysteresis in bismuth ferrite thin films. <b>2013</b> , 569, 126-129	10
1685	Application of bismuth ferrite protonic conductor for ammonia gas detection. <b>2013</b> , 188, 957-964	38
1684	Effects of annealing temperature on the microstructure, optical, ferroelectric and photovoltaic properties of BiFeO3 thin films prepared by solgel method. <b>2013</b> , 39, 8729-8736	58
1683	Optimization of BFO microwave-hydrothermal synthesis: Influence of process parameters. <b>2013</b> , 558, 150-159	29
1682	Preparation and functional characterization of BiFeO3 ceramics: A´comparative study of the dielectric properties. <b>2013</b> , 23, 79-87	18
1681	Enhanced magnetoelectric coupling in transition-metal-doped BiFeO3 thin films. 2013, 171, 40-45	27
1680	Controllable preparation of BiFeO3@carbon core/shell nanofibers with enhanced visible photocatalytic activity. <b>2013</b> , 376, 1-6	34
1679	Structural, microstructural and magneto-electric properties of single-phase BiFeO3 nanoceramics prepared by auto-combustion method. <b>2013</b> , 141, 423-431	40
1678	Field induced changes in cycloidal spin ordering and coincidence between magnetic and electric anomalies in BiFeO3 multiferroic. <b>2013</b> , 342, 17-26	18
1677	Correlation of microstructural and physical properties in bulk BiFeO3 prepared by rapid liquid-phase sintering. <b>2013</b> , 18, 1-9	32
1676	Hydrothermal epitaxial multiferroic BiFeO3 thick film by addition of the PVA. <b>2013</b> , 577, 44-48	21
1675	Self-limited grain growth, dielectric, leakage and ferroelectric properties of nanocrystalline BiFeO3 thin films by chemical solution deposition. <b>2013</b> , 61, 1739-1747	34
1674	Mechanochemically assisted synthesis of nanocrystalline BiFeO3. <b>2013</b> , 139, 931-935	18
1673	Easy synthesis of high-purity BiFeO3 nanoparticles: new insights derived from the structural, optical, and magnetic characterization. <b>2013</b> , 52, 10306-17	83

# (2013-2013)

1672	Tunable magnetization and spin transfer induced by electric field in magnetic ultrathin BiFeO3 layer. <b>2013</b> , 114, 123916	10
1671	Observation of bi-relaxor characteristic in multiferroic 0.70Bi0.90Ca0.10FeO3\(\mathbf{D}\).30PbTiO3ceramics. <b>2013</b> , 46, 375304	9
1670	Large nonlinear optical coefficients in pseudo-tetragonal BiFeO3 thin films. 2013, 103, 031906	26
1669	Synthesis and visible-light photocatalysis capability of BiFeO3[Na0.5Bi0.5)TiO3 nanopowders by a solgel method. <b>2013</b> , 19, 69-72	17
1668	Phase transition and magneto-electric coupling of BiFeO3MMnO3 multiferroic nanoceramics. <b>2013</b> , 114, 144104	24
1667	Structural, raman, dielectric, magnetic and magnetoelectric properties of Ba and Mn doped BiFeO3 nanoparticles. <b>2013</b> ,	2
1666	Structure and magnetic properties of BiFe(1-x)Co(x)O3 and Bi0.9Sm0.1Fe(1-x)Co(x)O3. 2013, 52, 10698-704	19
1665	Nanoscale studies of ferroelectric domain walls as pinned elastic interfaces. <b>2013</b> , 14, 667-684	40
1664	Universal emergence of spatially modulated structures induced by flexoantiferrodistortive coupling in multiferroics. <b>2013</b> , 88,	32
1663	Evidence for oxygen vacancy or ferroelectric polarization induced switchable diode and photovoltaic effects in BiFeO3 based thin films. <b>2013</b> , 24, 275201	93
1662	Origin of the uniaxial magnetic anisotropy in La0.7Sr0.3MnO3 on stripe-domain BiFeO3. <b>2013</b> , 88,	32
1661	Bismuth-Containing Compounds. 2013,	15
1660	Atomic Layer Deposition of BiFeO3 Thin Films Using Diketonates and H2O. <b>2013</b> , 117, 24579-24585	28
1659	Ca-Doping of BiFeO: The Role of Strain in Determining Coupling between Ferroelectric Displacements, Magnetic Moments, Octahedral Tilting, and Oxygen-Vacancy Ordering. <b>2013</b> , 25, 4436-4446	37
1658	Oxygen-Vacancy-Related Dielectric Relaxation in BiFeO3 Ceramics. 2013, 450, 42-48	16
1657	Study of A-site and B-site Doping on Multiferroic Properties of BFO Thin Films. 2013, 454, 41-46	18
1656	Coherent magnon and acoustic phonon dynamics in tetragonal and rare-earth-doped BiFeO3 multiferroic thin films. <b>2013</b> , 88,	17
1655	Improved dielectric and magnetic properties of Ti modified BiCaFeO3 multiferroic ceramics. <b>2013</b> , 113, 023908	42

1654	Room temperature Multiferroic properties of Nd doped Ba4\(\mathbb{B}\)FeTi3O12 nanoparticles. <b>2013</b> , 564, 162-165	2
1653	Magnetoelectric coupling in multiferroic Tb-doped BiFeO3 nanoparticles. <b>2013</b> , 111, 55-58	25
1652	Electromechanical and magnetic properties of BiFeO3-LaFeO3-CaTiO3 ceramics near the rhombohedral-orthorhombic phase boundary. <b>2013</b> , 113, 187218	28
1651	Room temperature structure and multiferroic properties in Bi0.7La0.3FeO3 ceramics. <b>2013</b> , 554, 97-103	27
1650	Raman and X-ray diffraction study of (Ba,Sr)TiO3/(Bi,Nd)FeO3 multilayer heterostructures. <b>2013</b> , 545, 267-271	2
1649	First-principles study on the magnetic properties in Mg doped BiFeO3 with and without oxygen vacancies. <b>2013</b> , 114, 233912	23
1648	Magnetic properties of ferrites-cobaltites Bi1 িk La x Fe1 িk Co x O3 (1.0 িk 🛈 .7) with a perovskite structure. <b>2013</b> , 39, 589-596	5
1647	Structural and electrical properties of chemical solution deposited (Bi0.9Tb0.1)(Fe0.975 TM 0.025)O3-4(TM = Ni, Mn and Ti) thin films. <b>2013</b> , 66, 168-174	1
1646	Structure transition and enhanced ferroelectric properties of (Mn, Cr) co-doped BiFeO3 thin films. <b>2013</b> , 24, 4827-4832	8
1645	Growth of pseudocubic perovskite-type SrRuO3 thin films on quartz substrate using pulsed laser deposition method. <b>2013</b> , 24, 4698-4703	2
1644	Magnetic structure of the compensated ferromagnet-multiferroic interface. <b>2013</b> , 55, 2246-2251	10
1643	Structure, ferromagnetism and microwave absorption properties of La substituted BiFeO3 nanoparticles. <b>2013</b> , 111, 130-133	42
1642	BaTiO3Eerrite composites with magnetocapacitance and hard/soft magnetic properties. 2013, 86, 670-680	15
1641	Synthesis of multiferroic Bi0.9La0.1Fe0.95Mn0.05O3 <b>B</b> a0.7Sr0.3TiO3Ni0.8Zn0.2Fe2O4 nanotubes with one closed end using a template-assisted solgel process. <b>2013</b> , 15, 2147	11
1640	Electrical conductivity of Gd doped BiFeO3-PbZrO3 composite. 2013, 7, 295-301	15
1639	Magnetization, magnetic susceptibility, and effective magnetic moment of the Fe3+ ions in Bi2Fe4O9. <b>2013</b> , 49, 616-620	13
1638	Magnetic and leakage current properties of Bi1⊠GdxFeO3 thin films. <b>2013</b> ,	
1637	Improved electric behaviors of the Pt/Bi1⊠LaxFe0.92Mn0.08O3/n+-Si heterostructure for nonvolatile ferroelectric random-access memory. <b>2013</b> , 1, 6252	9

1636	Ferroelastic phase transition and switchable dielectric behavior associated with ordering of molecular motion in a perovskite-like architectured supramolecular cocrystal. <b>2013</b> , 1, 2561	80
1635	High-pressure synthesis, crystal structure, and properties of In2NiMnO6 with antiferromagnetic order and field-induced phase transition. <b>2013</b> , 52, 14108-15	23
1634	Oxygen diffusion and nonstoichiometry in BiFeO3. <b>2013</b> , 52, 12806-10	12
1633	Structural, dielectric and magnetic properties of Pr-, Tb- and Dy-doped (Bi0.95RE0.05)(Fe0.95Mn0.05)O3 ceramics synthesized by solid-state reaction method. <b>2013</b> , 03, 1350033	2
1632	Fabrication of Nanoflowers and other Exotic Patterns. <b>2013</b> , 201, 159-180	1
1631	Structural, morphological and multiferroic properties of Pr and Co co-substituted BiFeO3 nanoparticles. <b>2013</b> , 90, 152-155	32
1630	Domain walls in a perovskite oxide with two primary structural order parameters: First-principles study of BiFeO3. <b>2013</b> , 87,	59
1629	Effect of chemical substitution on the morphology and optical properties of Bi1⊠CaxFeO3 films grown by pulsed-laser deposition. <b>2013</b> , 24, 248-252	21
1628	Enhancement of Magnetic and Dielectric Properties in Chemically Modified Multiferroic (0.90)BiFe1☑ Cr x O3(0.10)BaTiO3 Nanocomposite. <b>2013</b> , 26, 397-402	5
1627	Homologous series of layered perovskites A(n+1)B(n)O(3n-1)Cl: crystal and magnetic structure of a new oxychloride Pb4BiFe4O11Cl. <b>2013</b> , 52, 2208-18	6
1626	Lattice dynamics of multiferroic BiFeO3 studied by inelastic x-ray scattering. <b>2013</b> , 25, 102201	19
1625	Microscopical and physical characterization of microwave and microwave-hydrothermal synthesis products. <b>2013</b> , 44, 21-44	58
1624	High temperature dielectric and magnetic response of Ti and Pr doped BiFeO3 ceramics. <b>2013</b> , 39, 8113-8121	32
1623	Synthesis and characterization of Bi1 IkNdxFeO3 thin films deposited using a high throughput physical vapour deposition technique. <b>2013</b> , 531, 56-60	9
1622	Gd-doped BiFeO3 nanoparticles 🖪 novel material for highly efficient dye-sensitized solar cells. <b>2013</b> , 574, 71-77	36
1621	Exchange bias in polycrystalline Bi1⊠LaxFeO3/NiFe bilayers. <b>2013</b> , 161, 9-12	11
1620	Charge defects-induced electrical properties in bismuth ferrite bilayered thin films. 2013, 48, 2973-2977	10
1619	Piezoelectric domains in BiFeO3 films grown via MOCVD: Structure/property relationship. <b>2013</b> , 230, 168-173	9

1618	Enhanced magnetization and improved leakage in Er-doped BiFeO3 nanoparticles. 2013, 210, 809-813	37
1617	Peculiar magnetism of BiFeO3 nanoparticles with size approaching the period of the spiral spin structure. <b>2013</b> , 3, 2907	196
1616	Gadolinium substitution induced defect restructuring in multiferroic BiFeO3: case study by positron annihilation spectroscopy. <b>2013</b> , 46, 495309	18
1615	Multiferroic properties of BiFeO3-(K0.5Bi0.5)TiO3 ceramics. <b>2013</b> , 94, 172-175	28
1614	Influence of transition elements doping on structural, optical and magnetic properties of BiFeO3 films fabricated by magnetron sputtering. <b>2013</b> , 111, 123-125	35
1613	Structural, Raman and dielectric behavior in Bi1\subseteq SrxFeO3 multiferroic. <b>2013</b> , 1038, 242-249	39
1612	Structural and electrical properties of solgel-derived Al-doped bismuth ferrite thin films. 2013, 39, S461-S464	17
1611	Epitaxial integration of perovskite-based multifunctional oxides on silicon. <b>2013</b> , 61, 2734-2750	85
1610	Influence of Co doping on structural, optical and magnetic properties of BiFeO3 films deposited on quartz substrates by solgel method. <b>2013</b> , 268, 146-150	56
1609	Enhancement in magnetic and dielectric properties of La and Pr co substituted BiFeO3. <b>2013</b> , 552, 336-344	43
1608	Stabilization of dielectric anomaly near the magnetic phase transition in Ca2+ doped BiFeO3 multifunctional ceramics. <b>2013</b> , 564, 151-157	37
1607	Structural, vibrational, optical, magnetic and dielectric properties of Bi1⊠BaxFeO3 nanoparticles. <b>2013</b> , 39, 6399-6405	83
1606	A new class of room-temperature multiferroic thin films with bismuth-based supercell structure.  Advanced Materials, 2013, 25, 1028-32	66
1605	Phase and morphology evolution of bismuth ferrites via hydrothermal reaction route. <b>2013</b> , 48, 1694-1699	36
1604	Sol-gel preparation of La-doped bismuth ferrite thin film and its low-temperature ferromagnetic and ferroelectric properties. <b>2013</b> , 31, 60-64	14
1603	Synthesis of high-quality inverse opals based on magnetic complex oxides: yttrium iron garnet (Y3Fe5O12) and bismuth ferrite (BiFeO3). <b>2013</b> , 1, 2975	8
1602	On the microscopic mechanism for the stabilization of structural and ferroic states in displacive multiferroics. <b>2013</b> , 113, 114105	9
1601	Composition- and temperature-driven structural transitions in Bi(1-x)Ca(x)FeO3 multiferroics: a neutron diffraction study. <b>2013</b> , 25, 135902	27

1600	Nanostructures of Sr2+ doped BiFeO3 multifunctional ceramics with tunable photoluminescence and magnetic properties. <b>2013</b> , 25, 055303	30
1599	Structure and multiferroic properties of Bi(1-x)DyxFe0.90Mg0.05Ti0.05O3 solid solution. <b>2013</b> , 113, 054102	12
1598	Magnetic switching of ferroelectric domains at room temperature in multiferroic PZTFT. <b>2013</b> , 4, 1534	134
1597	Room-temperature single phase multiferroic magnetoelectrics: Pb(Fe, M)x(Zr,Ti)(1☑)O3 [M = Ta, Nb]. <b>2013</b> , 113, 074105	89
1596	Bulk interface engineering for enhanced magnetization in multiferroic BiFeO3 compounds. <b>2013</b> , 102, 072907	16
1595	Magnetic properties and origins of ferroelectric polarization in multiferroic CaMn7O12. <b>2013</b> , 87,	25
1594	Study of 0.9 BaTiO3-0.1 NixZn1⊠Fe2O4 magneto-electric composite ceramics. <b>2013</b> , 113, 114107	29
1593	Improved multiferroic behavior in [111]-oriented BiFeO3/BiAlO3 superlattice. 2013, 113, 123703	10
1592	Ferromagnetic and photocatalytic behaviors observed in Ca-doped BiFeO3 nanofibres. 2013, 113, 146101	52
1591	Development of a bond-valence based interatomic potential for BiFeO3 for accurate molecular dynamics simulations. <b>2013</b> , 25, 102202	34
1590	BiFeO3 single crystal as resistive switching element for application in microelectronic devices. <b>2013</b> , 86, 284-289	5
1589	Effect of crystallite size and clustering in influencing the stability of phases of a very large tetragonality ferroelectric system 0.6BiFeO3D.4PbTiO3. <b>2013</b> , 160, 56-60	5
1588	Experimentally determining the intrinsic center point of Bi2O3Ee2O3 phase diagram for growing pure BiFeO3 crystals. <b>2013</b> , 15, 4900	8
1587	The multiferroic perovskite YFeO3. <b>2013</b> , 102, 062903	114
1586	Ligand-directed control over crystal structures of inorganic-organic frameworks and formation of solid solutions. <b>2013</b> , 52, 5544-7	29
1585	Direct mechanosynthesis of pure BiFeO3 perovskite nanoparticles: reaction mechanism. <b>2013</b> , 1, 3551	41
1584	Crafting the magnonic and spintronic response of BiFeO3 films by epitaxial strain. 2013, 12, 641-6	256
1583	Weak ferromagnetic behavior of BiFeO3 at low temperature. <b>2013</b> , 113, 17D921	17

1582	Raman spectroscopy of nanocrystalline Mn-doped BiFeO3 thin films. <b>2013</b> , 8, 261-266	22
1581	Interplay of octahedral tilts and polar order in BiFeO3 films. <i>Advanced Materials</i> , <b>2013</b> , 25, 2497-504 24	94
1580	Controlling magnetism of multiferroic (Bi0.9La0.1)2FeCrO6 thin films by epitaxial and crystallographic orientation strain. <b>2013</b> , 102, 192911	11
1579	Structural transformation and enhancement in magnetic properties of single-phase Bi1\( \text{BPrxFeO3} \) nanoparticles. <b>2013</b> , 113, 203917	52
1578	First principle study on structural, elastic and electronic properties of cubic BiFeO3. <b>2013</b> , 39, S283-S286	20
1577	Field-induced phase transitions and phase diagrams in BiFeO3-like multiferroics. 2013, 87,	28
1576	Applications of high throughput (combinatorial) methodologies to electronic, magnetic, optical, and energy-related materials. <b>2013</b> , 113, 231101	170
1575	Origin of magnetization reversal and exchange bias phenomena in solid solutions of BiFeO3-BiMnO3: intrinsic or extrinsic?. <b>2013</b> , 52, 2015-21	34
1574	Effect of Substrate on Structure and Multiferrocity of (La, Mn) CoSubstituted BiFeO3 Thin Films. <b>2013</b> , 96, 2531-2536	6
1573	Photovoltaic property of sputtered BiFeO3 thin films. <b>2013</b> , 574, 402-406	26
1572	Room temperature ferromagnetism with large magnetic moment at low field in rare-earth-doped BiFeOlthin films. <b>2013</b> , 25, 206003	5
1571	Evidences of magneto-electric coupling in BFOBT solid solutions. 2013, 577, 222-227	48
1570	Experimental visualization of the Bi-O covalency in ferroelectric bismuth ferrite (BiFeO3) by synchrotron X-ray powder diffraction analysis. <b>2013</b> , 15, 6779-82	42
1569	Effects of La substitution for BiFeO3 epitaxial thin films. <b>2013</b> , 62, 1069-1072	1
1568	Photoluminescence and time-resolved spectroscopy in multiferroic BiFeO3: Effects of electric fields and sample aging. <b>2013</b> , 102, 222901	35
1567	Four-states multiferroic memory embodied using Mn-doped BaTiO3 nanorods. <b>2013</b> , 7, 5522-9	66
1566	Magnetic memory effect in multiferroic K3Fe5F15 and K3Cr2Fe3F15. <b>2013</b> , 102, 242410	12
1565	Magnetoelectric coupling in multiferroic BiFeO3 nanowires. <b>2013</b> , 579, 78-84	19

1564	Theory of spin-orbit enhanced electric-field control of magnetism in multiferroic BiFeO3. <b>2013</b> , 110, 267202	24
1563	Electromechanical coupling among edge dislocations, domain walls, and nanodomains in BiFeO3 revealed by unit-cell-wise strain and polarization maps. <b>2013</b> , 13, 1410-5	65
1562	Synthesis peculiarities of BiVO3 perovskite. <b>2013</b> , 39, 5963-5966	8
1561	Effect of low-temperature high-pressure sintering on BiFeO3 density, electrical magnetic and structural properties. <b>2013</b> , 86, 1104-1114	4
1560	Synthesis and Characteristics of Superparamagnetic Co0.6Zn0.4Fe2O4 Nanoparticles by a Modified Hydrothermal Method. <b>2013</b> , 96, 2245-2251	17
1559	The effect of polarization fatigue process and light illumination on the transport behavior of Bi0.9La0.1FeO3 sandwiched capacitor. <b>2013</b> , 113, 183510	14
1558	Pressure induced para-antiferromagnetic switching in BiFeO3PbTiO3 as determined using in-situ neutron diffraction. <b>2013</b> , 113, 183910	14
1557	Mn substitution-modified polar phase in the Bi1⊠NdxFeO3 multiferroics. <b>2013</b> , 113, 214112	19
1556	Phase transition and huge ferroelectric polarization observed in BiFe1\(\mathbb{B}\)GaxO3 thin films. <b>2013</b> , 102, 222906	36
1555	Multiferroic properties of La and Mn co-doped BiFeO3 nanofibers by solgel and electrospinning technique. <b>2013</b> , 90, 45-48	57
1554	Fabrication of multiferroic Ba0.7Sr0.3TiO3Ni0.8Zn0.2Fe2O4 composite nanofibers by electrospinning. <b>2013</b> , 91, 55-58	14
1553	Tunable dielectric characteristics of Mn-doped BiFeO3 multiferroic ceramics. <b>2013</b> , 68, 305-308	12
1552	Phase-dependent multiferroism in Dy-doped BiFeO3 nanowires. <b>2013</b> , 53, 184-194	31
1551	Intrinsic Compositional Inhomogeneities in Bulk Ti-Doped BiFeO3: Microstructure Development and Multiferroic Properties. <b>2013</b> , 25, 1533-1541	83
1550	Magnetic and electric properties of CaMn7O12 based multiferroic compounds: effect of electron doping. <b>2013</b> , 25, 246001	19
1549	Epitaxial strontium titanate films grown by atomic layer deposition on SrTiO3-buffered Si(001) substrates. <b>2013</b> , 31, 01A136	38
1548	Room-temperature multiferroic magnetoelectrics. <b>2013</b> , 5, e72-e72	207
1547	Structural, spectroscopic, and dielectric characterizations of Mn-doped 0.67BiFeO3-0.33BaTiO3 multiferroic ceramics. <b>2013</b> , 2, 252-259	25

1546	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. <b>2013</b> , 5, 81-87	16
1545	Investigation of wide range magnetoresistance in La0.7Ca0.3\(\mathbb{Q}\)AgxMnO3 (0 \(\mathbb{L}\)\(\mathbb{D}\).2) system. <b>2013</b> , 24, 1141-1145	7
1544	Overlap of the intrinsic and extrinsic magnetoelectric effects in BiFeO3-PbTiO3 compounds: Potentialities for magnetic-sensing applications. <b>2013</b> , 113, 034102	12
1543	A strategy to fabricate bismuth ferrite (BiFeO3) nanotubes from electrospun nanofibers and their solar light-driven photocatalytic properties. <b>2013</b> , 3, 23737	42
1542	Effects of external magnetic field on the morphology and magnetic property of BiFeO3 particles prepared by hydrothermal synthesis. <b>2013</b> , 102, 082901	13
1541	Multiferroic and structural transition properties of Bi1\( \text{BPrxFe0.95Mn0.05O3} \) thin films. <b>2013</b> ,	
1540	Periodic elastic nanodomains in ultrathin tetragonal-like BiFeO3 films. 2013, 88,	20
1539	Electric field-controlled magnetization in exchange biased IrMn/Co/PZT multilayers. 2013, 4, 025017	8
1538	Swift heavy ion irradiation induced modification of structure and surface morphology of BiFeO3 thin film. <b>2013</b> , 36, 813-818	14
1537	Study of site-disorder in epitaxial magneto-electric GaFeO3 thin films. <b>2013</b> , 102, 212401	29
1536	Room temperature multiferroic properties of Pb(Fe0.5Nb0.5)O3©o0.65Zn0.35Fe2O4 composites. <b>2013</b> , 114, 234106	38
1535	Preparation ofBiFeO3-Graphene Nanocomposites and Their Enhanced Photocatalytic Activities. <b>2013</b> , 2013, 1-5	12
1534	STRUCTURAL AND MAGNETIC PHASE TRANSITIONS OF BIFeO3 INDUCED BY PRESSURE. <b>2013</b> , 06, 1350026	1
1533	Novel Nanoscale Twinned Phases in Perovskite Oxides. <b>2013</b> , 23, 234-240	81
1532	Bifurcated Polarization Rotation in Bismuth-Based Piezoelectrics. 2013, 23, 185-190	127
1531	Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite. <b>2013</b> , 23, 683-689	26
1530	Microstructural and electrical properties of single phase multifeorric BiFeO3 nanoparticles. 2013,	
1529	Heterometallic Complexes with Rhenium- and Iron-Bismuth Bonds. <b>2013</b> , 68, 561-568	9

	Structural, magnetic, and nanoscale switching properties of BiFeO3 thin films grown by pulsed electron deposition. <b>2013</b> , 31, 032801	4
1527	Magnetic properties of proton irradiated BiFeO3. <b>2013</b> , 113, 17E152	1
1526	Effect of reduced size and Ba doping on multiferroic properties of BiFeO3 nanoparticles. 2013,	
	Competing antiferromagnetism and local magnetic order in the bulk ceramic PZT <b>B</b> FW multiferroic system: searching for the most promising ratio between PZT and PFW. <b>2013</b> , 46, 455001	6
イピンイ	Synthesis and optical properties of the (La, Mn)-codoped BiFeO3films onn+-Si(100) substrates. <b>2013</b> ,	
	Density Functional Theory Study on How Electron Spin Configuration of Co3+Ion Affects the Structure and Magnetism of Co-Doped Bismuth Ferrite. <b>2013</b> , 52, 09KB01	2
1522	A training effect on electrical properties in nanoscale BiFeO3. <b>2013</b> , 24, 135705	2
イピコイ	Ultrafast Photostriction in Thin Film Bismuth Ferrite and its Correlation to Electronic Dynamics. <b>2013</b> , 1528, 1	
	Novel magnetic arrangement and structural phase transition induced by spinlattice coupling in multiferroics. <b>2013</b> , 3, 213-218	3
	Preparation of BiFe1-xCoxO3 Ceramics via a Simple Solid Method and Enhanced Multiferroic Properties. <b>2013</b> , 631-632, 452-457	1
	Effect of Oxygen Pressure on Electrical Properties of BiFe0.9Co0.1O3Thin Films Prepared by Pulsed Laser Deposition. <b>2013</b> , 52, 09KD09	
1517	Spin transfer in ultrathin BiFeO 3 film under external electric field. <b>2013</b> , 101, 67007	9
	Effect of Poly Sodium-p-Styrenesulfonate on the Phase Formation and Morphology of the Hydrothermally Synthesized Bismuth Ferrite Powders. <b>2013</b> , 745-746, 393-397	
1515	Strain modulated optical properties in BiFeO3 thin films. <b>2013</b> , 103, 181907	31
1514	Structural and Dielectric Properties of Bi0.9Pr0.1Fe1-xTixO3 Ceramics. <b>2013</b> , 785-786, 697-700	
1513	Prospects for Ferroelectrics: 2012 <b>[</b> 022. <b>2013</b> , 2013, 1-24	27
1512	Electric and Magnetic Properties of Sputter Deposited BiFeO3Films. <b>2013</b> , 2013, 1-6	4
	Grain size effect on site-disorder and magnetic properties of multiferroic GaFeO3 nanoparticles. <b>2013</b> , 103, 232405	14

1510	Growth and Characterization of Na0.5Bi0.5TiO3 Thin Films with BaTiO3 Buffer Layer (Study of Au/Na0.5Bi0.5TiO3/BaTiO3/Pt Capacitor). <b>2013</b> , 447, 46-55	5
1509	Uncompensated spins in exchange-biased BiFeO3/Fe2O3 core/shell-like thin films. 2013, 114, 103902	6
1508	A giant polarization value of Zn and Mn co-modified bismuth ferrite thin films. <b>2013</b> , 102, 052904	44
1507	Photo-induced modulation of ferroelectric polarization in multiferroic TbMnO3. 2013,	
1506	Pressure effect on structural and vibrational properties of Sm-substituted BiFeO3. <b>2013</b> , 114, 154110	13
1505	Magnetic Relaxation in Bismuth Ferrite Micro-Cubes. <b>2013</b> , 448, 58-70	5
1504	High quality multiferroic BiFeO3 films prepared by pulsed laser deposition on glass substrates at reduced temperatures. <b>2013</b> , 113, 17D917	11
1503	Untilting BiFeO3: The influence of substrate boundary conditions in ultra-thin BiFeO3 on SrTiO3. <b>2013</b> , 1, 052102	18
1502	Electrical Properties of Stoichiometric BiFeO3 Prepared by Mechanosynthesis with Either Conventional or Spark Plasma Sintering. <b>2013</b> , 96, 1220-1227	47
1501	Ferroelectric Behavior and Magnetocapacitance Effect Caused by Fe2+ in Ho3Fe5O12 Ceramics. <b>2013</b> , 448, 71-76	8
1500	Pressure-induced phase transitions of multiferroic BiFeO 3. <b>2013</b> , 37, 128001	4
1499	Optical Study of Sol-gel Processed Nd-doped BiFeO3 Multiferroic Films by Spectroscopic Ellipsometry. <b>2013</b> , 454, 78-83	6
1498	PREPARATION AND ELECTRICAL PROPERTIES OF BiFeO3/La0.7Sr0.3MnO3 MULTILAYERS. <b>2013</b> , 27, 1350128	
1497	Electrical properties of ferroelectric BiMnO3PbTiO3 under tailored synthesis and ceramic processing. <b>2013</b> , 86, 681-694	12
1496	Local probing of magnetoelectric coupling and magnetoelastic control of switching in BiFeO3-CoFe2O4 thin-film nanocomposite. <b>2013</b> , 103, 042906	26
1495	Photocurrent Properties of BiFeO3 Thin Films Prepared by Chemical Solution Deposition. <b>2013</b> , 453, 20-25	3
1494	Strain induced changes in magnetization of amorphous Co95Zr5 based multiferroic heterostructures. <b>2013</b> , 3, 022113	12
1493	Ligand-Directed Control over Crystal Structures of Inorganic Drganic Frameworks and Formation of Solid Solutions. <b>2013</b> , 125, 5654-5657	11

1492 Family Value(s). Advanced M	Materials, <b>2013</b> , 25, 10-12	24 1	
	ponse induced by the superconducting gap in an O4/LaSrAlO4 heterostructure. <b>2013</b> , 103, 153507	5	
1490 Multiferroic Properties In Co	omplex Oxides. <b>2013</b> , 3, 70-74		
1489 First-Principles Study of Fer	roelectric-Ferromagnetic Coupling in Multiferroic BiFeO3. <b>2014</b> , 63,	168-173 1	
	Bi0.5K0.5)TiO3-Bi(Mg0.5Ti0.5)O3-BiFeO3 Ceramics Using BiFeO3 Irothermal Method and Their Piezoelectric Properties. <b>2014</b> , 39, 137-	.140 <sup>1</sup>	
Degradation of ferroelectric diffusion of silicon atoms. <b>2</b>	c and weak ferromagnetic properties of BiFeO 3 films due to the <b>014</b> , 23, 077504	4	
Synthesis and characterization their bulk dielectric propert	ion of coprecipitation-prepared La-doped BiFeO3nanopowders and cies. <b>2014</b> , 53, 06JG13	8	
1485 Emerging Multiferroic Mem	ories. <b>2014</b> , 103-166	2	
1484 Suppression of grain bound	ary relaxation in Zr-doped BiFeO3 thin films. <b>2014</b> , 115, 204102	7	,
Strain relaxation and enhan aligned nanocomposite thir	ced perpendicular magnetic anisotropy in BiFeO3:CoFe2O4 vertically n films. <b>2014</b> , 104, 062402	y 4	.2
	nd ferromagnetism in Bi 0.9 Ba 0.1 FeO 3 /La 2/3 Sr 1/3 MnO 3 oulsed laser deposition. <b>2014</b> , 23, 117703		
1481 Surface double-layer structi	ure in (110) oriented BiFeO3 thin film. <b>2014</b> , 105, 202901	7	,
1480 The multiferroic properties	of polycrystalline Bi1⊠YxFeO3 films. <b>2014</b> , 115, 17D902	1	1
Uniform bipolar resistive sw 1479 <b>2014</b> , 7, 095801	vitching behaviors in BiFeO3 thin films on Fe-doped LaNiO3 electrod	<b>es.</b> 5	
Transport properties and ar heterostructures. <b>2014</b> , 23,	nomalous fatigue effect of Ag/Bi 0.9 La 0.1 FeO 3 /La 0.7 Sr 0.3 MnO 3 097702	3	
Enhanced Magnetic and Ele 1477 470, 272-279	ctric Properties of Nanocrystalline Ce Modified BFO Thin Films. <b>2014</b>	1	О
1476 The principles of creating no	ew-generation magnetic memory. <b>2014</b> , 84, 407-412		
	nents on non-stoichiometrical preparation for the optimized perovsk ramics. <b>2014</b> , 115, 1342-1350	kite	

1474	Interface control of a morphotropic phase boundary in epitaxial samarium modified bismuth ferrite superlattices. <b>2014</b> , 90,	19
1473	Structural, magnetic, and magnetodielectric studies of metamagnetic DyFe0.5Cr0.5O3. <b>2014</b> , 115, 17D728	22
1472	Spontaneous magnetization in the polar phase of Bi1\( \text{BCaxFeO3\( \text{D}/x}\) perovskites: The role of anion vacancies. <b>2014</b> , 116, 214105	15
1471	Orientations of low-energy domain walls in perovskites with oxygen octahedral tilts. 2014, 90,	24
1470	Effect of oxygen annealing on the multiferroic properties of Ca2+ doped BiFeO3 nanoceramics. <b>2014</b> , 116, 244105	25
1469	Magnetic Properties of Bismuth Ferrite Nanopowder Obtained by Mechanochemical Synthesis. <b>2014</b> , 126, 1029-1031	6
1468	Electric Conductivity of (Bi1-xLaxFeO3)0.5(PbTiO3)0.5Ceramics Obtained from Mechanosynthesized Nanopowders. <b>2014</b> , 126, 971-974	1
1467	Effects of Interfaces on the Structure and Novel Physical Properties in Epitaxial Multiferroic BiFeOII Ultrathin Films. <b>2014</b> , 7, 5403-5426	8
1466	XRD and Raman spectroscopy studies of (Bi1\( \text{BLaxFeO3} \) 0.5(PbTiO3)0.5 solid solution. <b>2014</b> , 87, 909-921	5
1465	Structural, dielectric and magnetic properties of La and Sc codoped BiFeO3. <b>2014</b> , 29, 237-240	1
1464	Structural, electrical and magnetic properties of Bi0.90La0.10Fe0.90Co0.10O3 ceramics. <b>2014</b> ,	1
1463	Temperature dependent photoexcited carrier dynamics in multiferroic BiFeO3 film: A hidden phase transition. <b>2014</b> , 104, 151902	8
1462	Uniaxial pressure induced phase transitions in multiferroic materials BiCoO3. <b>2014</b> , 4, 64601-64607	6
1461	Engineering 180° ferroelectric domains in epitaxial PbTiO3 thin films by varying the thickness of the underlying (La,Sr)MnO3 layer. <b>2014</b> , 105, 132903	5
1460	Self-assembled nanoscale capacitor cells based on ultrathin BiFeO3 films. <b>2014</b> , 104, 182903	12
1459	Magnetoelectric Characterization of Multiferroic Nanostructure Materials. <b>2014</b> , 473, 137-153	9
1458	Chemical solution deposition derived (001)-oriented epitaxial BiFeO3 thin films with robust ferroelectric properties using stoichiometric precursors (invited). <b>2014</b> , 116, 066810	19
1457	Magnetic Properties of Polycrystalline Bismuth Ferrite Thin Films Grown by Atomic Layer Deposition. <b>2014</b> , 5, 4319-23	21

1456	Multiferroism and enhancement of material properties across the morphotropic phase boundary of BiFeO3-PbTiO3. <b>2014</b> , 115, 104104	49
1455	Local polar structure and multiferroic properties of (1🛭)Bi0.9Dy0.1FeO3🖬PbTiO3 solid solution. <b>2014</b> , 116, 066809	14
1454	Spin-phonon coupling, high-pressure phase transitions, and thermal expansion of multiferroic GaFeO3: A combined first principles and inelastic neutron scattering study. <b>2014</b> , 90,	11
1453	Electric field control of magnetism using BiFeO3-based heterostructures. <b>2014</b> , 1, 021303	200
1452	Weak ferromagnetism and nanodimensional ferroelectric domain structure stabilized in the polar phase of Bi1⊠NdxFeO3 multiferroics via Ti doping. <b>2014</b> , 115, 164101	18
1451	Photoconductivity and photo-detection response of multiferroic bismuth iron oxide. <b>2014</b> , 104, 132910	19
1450	Probing the domain structure of BiFeO3 epitaxial films with three-dimensional reciprocal space mapping. <b>2014</b> , 104, 182901	15
1449	Dynamic magnetic interaction in La2/3Sr1/3MnO3/BiFeO3 heterostructure. <b>2014</b> , 105, 112406	6
1448	Strain mediated coupling in magnetron sputtered multiferroic PZT/Ni-Mn-In/Si thin film heterostructure. <b>2014</b> , 116, 114103	15
1447	Exchange bias and crystal structure of epitaxial (111) FePt/BiFeO3 sputtered thin films. <b>2014</b> , 115, 17D903	1
1446	Room temperature ferroelectric properties and leakage current characterics of Bi2FeMnO6/SrTiO3 bilayered thin films by chemical solution deposition. <b>2014</b> , 211, 1499-1502	1
1445	Anomalous properties of hexagonal rare-earth ferrites from first principles. <b>2014</b> , 89,	40
1444	Effect of cobalt doping on site-disorder and magnetic behavior of magnetoelectric GaFeO3 nanoparticles. <b>2014</b> , 105, 212407	18
1443	Focused-ion-beam induced damage in thin films of complex oxide BiFeO3. <b>2014</b> , 2, 022109	14
1442	Phase transformations in multiferroic Bi1\( \text{LaxFe1}\) TiyO3 ceramics probed by temperature dependent Raman scattering. <b>2014</b> , 116, 164103	5
1441	Molten Salt Synthesis of Bismuth Ferrite Nano- and Microcrystals and their Structural Characterization. <b>2014</b> , 97, 2223-2232	22
1440	Multifunctionalities driven by ferroic domains. <b>2014</b> , 116, 066801	9
1439	Structural, Raman, and Dielectric Studies on Multiferroic Mn-doped Bi1⊠LaxFeO3 Ceramics. <b>2014</b> , 97, 2323-2330	32

1438	Two-Phase Coexistence and Multiferroic Properties of Cr-Doped BiFeO3 Thin Films. <b>2014</b> , 27, 2765-2772	15
1437	Photoinduced electrical properties of Mn-doped BiFeO3thin films prepared by chemical solution deposition. <b>2014</b> , 53, 09PA17	9
1436	Combined effects of Bi deficiency and Mn substitution on the structural transformation and functionality of BiFeO3 films. <b>2014</b> , 116, 174102	24
1435	Reversible piezomagnetoelectric switching in bulk polycrystalline ceramics. <b>2014</b> , 2, 086105	2
1434	Emerging Non-Volatile Memories. <b>2014</b> ,	30
1433	The physical nature of bipolar resistive switching in Pt/BiFe0.95Mn0.05O3/Pt memory devices. <b>2014</b> , 211, 191-194	4
1432	Studies of the Room-Temperature Multiferroic Pb(FeTa)(ZrTi)O: Resonant Ultrasound Spectroscopy, Dielectric, and Magnetic Phenomena. <b>2014</b> , 24, 2993-3002	34
1431	Magnetic and Photocatalytic Behaviors of Ba-Doped BiFeO3 Nanofibers. <b>2014</b> , 11, 676-680	10
1430	Photo-carrier control of exchange bias in BiFeO3/La2/3Sr1/3MnO3 thin films. <b>2014</b> , 104, 252407	15
1429	First-principles study of the multimode antiferroelectric transition in PbZrO3. <b>2014</b> , 90,	47
1428	Effect of Vegard strains on the extrinsic size effects in ferroelectric nanoparticles. 2014, 90,	27
1427	Probing bismuth ferrite nanoparticles by hard x-ray photoemission: Anomalous occurrence of metallic bismuth. <b>2014</b> , 105, 102910	16
1426	Ho and Ti co-doped BiFeO 3 multiferroic ceramics with enhanced magnetization and ultrahigh electrical resistivity. <b>2014</b> , 23, 037501	9
1425	Enhanced ferroelectric properties in Bi0.86Sm0.14FeO3Based ceramics. <b>2014</b> , 105, 192902	25
1424	Mechanism of switchable and nonswitchable short-circuit photocurrent accompanying polarization switching in Bi 0.9 La 0.1 FeO 3 thin films. <b>2014</b> , 105, 37008	4
1423	Effects of Thickness and Polarization Field on the Photovoltaic Properties of BiFeO 3 Thin Films. <b>2014</b> , 31, 037304	4
1422	Effect of excess Bi content on the electrical properties of Bi0.95La0.05FeO3 thick films. <b>2014</b> , 25, 5316-5321	6
1421	Effects of Single-Substitution and Co-Substitution on BiFeO3 Nanoparticles. <b>2014</b> , 602-603, 23-26	

1420	Size dependent structural, vibrational and magnetic properties of BiFeO3 and core-shell structured BiFeO3@SiO2 nanoparticles. <b>2014</b> ,	2
1419	Exchange bias in BiFeO3/La0.67Sr0.33MnO3 bilayers. <b>2014</b> , 53, 08NM01	9
1418	Hole conduction and nonlinear currentwoltage behavior in multiferroic lanthanum-substituted bismuth ferrite. <b>2014</b> , 615, 916-920	15
1417	Thin Film Applications in Advanced Electron Devices. <b>2014</b> , 2014, 1-2	12
1416	Enhanced multiferroic and dielectric properties of Sr2+-doped BiFe0.94(Mn0.04Cr0.02)O3 thin films. <b>2014</b> , 25, 4363-4368	
1415	Metal-Organic Chemical Vapor Deposition of BiFeO3 Based Multiferroics. <b>2014</b> , 90, 57-65	1
1414	Magneto-dielectric anomaly in (Bi0.95Nd0.05)(Fe0.97Mn0.03)O3 electroceramic. 2014, 1636, 1	2
1413	Comparative Studies of Multiferroic BiFeO3 Powders Prepared by Hydrothermal Method versus Sol-Gel Process. <b>2014</b> , 670-671, 113-116	1
1412	Effect of surface modification of BiFeO3 on the dielectric, ferroelectric, magneto-dielectric properties of polyvinylacetate/BiFeO3 nanocomposites. <b>2014</b> , 8, 669-681	38
1411	Metal-Semiconductor-Insulator-Metal Structure Field-Effect Transistors Based on Zinc Oxides and Doped Ferroelectric Thin Films. <b>2014</b> , 1633, 131-137	2
1410	Formation of perovskite BiFeO3(001) films on refined Pt(111) electrode layer with reduced thickness on glass substrates. <b>2014</b> , 115, 17D912	6
1409	Magneto-optical properties of BiFeO3 thin films using surface plasmon resonance technique. <b>2014</b> , 448, 120-124	10
1408	Improved ferroelectric and fatigue properties in Ho doped BiFeO3 thin films. <b>2014</b> , 129, 166-169	11
1407	Magneto-thermal conduction and phonon anomalies across magnetic transitions in multiferroic (poly and nanocrystalline) bismuth ferrite. <b>2014</b> , 437, 10-16	2
1406	Atomic-Scale Visualization of Polarization Pinning and Relaxation at Coherent BiFeO3/LaAlO3 Interfaces. <b>2014</b> , 24, 793-799	31
1405	Synthesis and properties of bismuth ferrite multiferroic flowers. <b>2014</b> , 49, 2596-2604	20
1404	Piezoelectric and ferroelectric properties of Ga modified BiFeO3BaTiO3 lead-free ceramics with high Curie temperature. <b>2014</b> , 25, 196-201	28
1403	Mechanosynthesis, magnetic and M\(\mathbb{B}\)sbauer characterization of pure and Ti4+-doped cubic phase BiFeO3 nanocrystalline particles. <b>2014</b> , 226, 143-151	5

1402	Structural, Thermal, and Magnetic Properties of Cu-doped BiFeO3. <b>2014</b> , 27, 1239-1243	17
1401	Enhanced Multiferroic and Magnetocapacitive Properties of (1 the Bartham Street B	24
1400	Structural, Dielectric, and Electrical Properties of BiFeWO6 Ceramic. <b>2014</b> , 43, 732-739	17
1399	Prospects for nanostructured multiferroic composite materials. <b>2014</b> , 74, 38-43	62
1398	Studies on structural, electrical and optical properties of multiferroic (Ag, Ni and In) codoped Bi0.9Nd0.1FeO3 thin films. <b>2014</b> , 292, 702-709	10
1397	Comparative study on multiferroic (Bi0.9RE0.1)(Fe0.97Co0.03)O3I(RE=Ce and Ho) thin films: Structural, electrical and optical properties. <b>2014</b> , 40, 6247-6254	9
1396	Structural transformation and multiferroic properties of single-phase Bi0.89Tb0.11Fe1MnxO3 thin films. <b>2014</b> , 290, 280-286	26
1395	Dielectric and multiferroic properties of 0.75BiFeO3D.25BaTiO3 solid solution. <b>2014</b> , 25, 888-896	23
1394	Effects of oxygen pressure on the microstructural, ferroelectric and magnetic properties of BiFe0.95Mn0.05O3 thin films grown on Si substrates. <b>2014</b> , 25, 1908-1914	3
1393	Dielectric and electrical properties of 0.5(BiGd0.05Fe0.95O3)-0.5(PbZrO3) composite. <b>2014</b> , 32, 59-65	17
1392	Investigation of Structural and Electrical Properties of B-Site Complex Ion (Mg1/3Nb2/3)4+-Modified High-Curie-Temperature BiFeO3-BaTiO3 Ceramics. <b>2014</b> , 43, 755-760	15
1391	Structure transition and multiferroic properties of Mn-doped BiFeO3 thin films. <b>2014</b> , 25, 723-729	22
1390	Optical properties of BiFeO3 epitaxial thin films. <b>2014</b> , 59, 102-106	4
1389	Dielectric behavior of hexagonal and orthorhombic YFeO3 prepared by modified sol-gel method. <b>2014</b> , 32, 187-191	24
1388	BiFeO3/poly(methyl methacrylate) nanocomposite films: A study on magnetic and dielectric properties. <b>2014</b> , 104, 042902	32
1387	Structural and magnetic phase transitions in Bi1\(\mathbb{B}\)NdxFe1\(\mathbb{M}\)MnxO3 multiferroics. <b>2014</b> , 115, 034102	16
1386	Study of structural, electrical, magnetic and optical properties of 0.65BaTiO30.35Bi0.5Na0.5TiO3BiFeO3 multiferroic composite. <b>2014</b> , 597, 188-199	48
1385	Effects of (Dy, Zn) co-doping on structural and electrical properties of BiFeO3 thin films. <b>2014</b> , 40, 2281-2286	44

1384	Effect of Ln (Ln=La, Pr) and Co co-doped on the magnetic and ferroelectric properties of BiFeO3 nanoparticles. <b>2014</b> , 584, 520-523	76
1383	Structural, dielectric and piezoelectric properties of xBiFeO3[NIX]BaTi0.9Zr0.1O3 ceramics. <b>2014</b> , 40, 5173-5179	22
1382	Effect of dysprosium substitution on crystal structure and physical properties of multiferroic BiFeO3 ceramics. <b>2014</b> , 34, 641-651	53
1381	Enhanced magnetic and conductive properties of Ba and Co co-doped BiFeO3 ceramics. <b>2014</b> , 355, 259-264	75
1380	Charge defects and highly enhanced multiferroic properties in Mn and Cu co-doped BiFeO3 thin films. <b>2014</b> , 305, 55-61	47
1379	Tuning of dielectric and ferroelectric properties in single phase BiFeO3 ceramics with controlled Fe2+/Fe3+ ratio. <b>2014</b> , 40, 5263-5268	26
1378	Cation-ordered A1/2?A1/2?B2X4 magnetic spinels as magnetoelectrics. <b>2014</b> , 364, 47-54	13
1377	Giant dielectric response and enhanced thermal stability of multiferroic BiFeO3. <b>2014</b> , 600, 118-124	17
1376	Synthesis, phase evolution and properties of phase-pure nanocrystalline BiFeO3 prepared by a starch-based combustion method. <b>2014</b> , 590, 324-330	35
1375	Magnetization, magnetic susceptibility, effective magnetic moment of Fe3+ ions in Bi25FeO39 ferrite. <b>2014</b> , 212, 147-150	46
1374	Magnetic anisotropy and sub-lattice magnetization study of polycrystalline magneto-electric. <b>2014</b> , 362, 97-103	14
1373	Enhanced magnetization and improved insulating character in Eu substituted BiFeO3. <b>2014</b> , 115, 124110	42
1372	Coercivity and exchange bias of bismuth ferrite nanoparticles isolated by polymer coating. <b>2014</b> , 115, 123906	9
1371	Multiferroic BaTiO3 <b>B</b> iFeO3composite thin films and multilayers: strain engineering and magnetoelectric coupling. <b>2014</b> , 47, 135303	83
1370	BiFeO3 Ceramics: Processing, Electrical, and Electromechanical Properties. 2014, 97, 1993-2011	288
1369	Strong smearing and disappearance of phase transitions into polar phases due to inhomogeneous lattice strains induced by A-site doping in Bi1NAxFeO3 (A: La, Sm, Gd). <b>2014</b> , 604, 117-129	29
1368	Effect of Pr substitution on structural and electrical properties of BiFeO3 ceramics. <b>2014</b> , 143, 629-636	33
1367	Variation of the lattice and spin dynamics in Bi1⊠DyxFeO3 nanoparticles. <b>2014</b> , 115, 133506	1

1366	High temperature magnetic behavior of multiferroics Bi1⊠CaxFeO3. <b>2014</b> , 115, 133912	8
1365	Structural phase transitions of robust insulating Bi1-xLaxFe1-yTiyO3 multiferroics. <b>2014</b> , 115, 123523	17
1364	Defect-mediated ferroelectric domain depinning of polycrystalline BiFeO3 multiferroic thin films. <b>2014</b> , 104, 092905	34
1363	Switching ferroelectric domain configurations using both electric and magnetic fields in Pb(Zr,Ti)O3-Pb(Fe,Ta)O3 single-crystal lamellae. <b>2014</b> , 372, 20120450	15
1362	Interfacial coupling in heteroepitaxial vertically aligned nanocomposite thin films: From lateral to vertical control. <b>2014</b> , 18, 6-18	87
1361	Polar and antipolar polymorphs of metastable perovskite BiFe0.5Sc0.5O3. <b>2014</b> , 89,	42
1360	Linear electro-optic effect in multiferroic BiFeO3 thin films. <b>2014</b> , 89,	30
1359	Spin-cycloid instability as the origin of weak ferromagnetism in the disordered perovskite Bi0.8La0.2Fe0.5Mn0.5O3. <b>2014</b> , 89,	15
1358	Local Crystal Structure of Antiferroelectric BiMnNiO in Commensurate and Incommensurate Phases Described by Pair Distribution Function (PDF) and Reverse Monte Carlo (RMC) Modeling. <b>2014</b> , 26, 2218-2232	5
1357	Strain driven structural phase transformations in dysprosium doped BiFeO3 ceramics. <b>2014</b> , 2, 3345-3360	33
1356	Synthesis and characterization of BiFeO3 nanowires and their applications in dye-sensitized solar cells. <b>2014</b> , 21, 206-211	41
1355	Interpretation of magnetoelectric phase states using the praphase concept and exchange symmetry. <b>2014</b> , 26, 036003	4
1354	Analytical comparison of magnetic and electrical properties using modified Landau theory in bismuth ferrite: Effect of milling. <b>2014</b> , 349, 95-99	12
1353	Frequency dependent electrical characteristics of BiFeO3 MOS capacitors. <b>2014</b> , 583, 476-480	40
1352	Influence of thickness on optical and structural properties of BiFeO3 thin films: PLD grown. <b>2014</b> , 49, 531-536	49
1351	Reduced leakage current of multiferroic BiFeO3 ceramics with microwave synthesis. <b>2014</b> , 40, 4247-4250	21
1350	Structural, electrical and magnetic properties of Bi0.825Pb0.175FeO3, and Bi0.725La0.1Pb0.175FeO3 multiferroics. <b>2014</b> , 49, 345-351	20
1349	Room temperature dielectric and magnetic properties of Gd and Ti co-doped BiFeO3 ceramics. <b>2014</b> , 115, 024102	79

1348	Magnetic transitions and site-disordered induced weak ferromagnetism in (1-x)BiFeO3-xBaTiO3. <b>2014</b> , 89,	43
1347	Study of structural, ferromagnetic and ferroelectric properties of nanostructured barium doped Bismuth Ferrite. <b>2014</b> , 353, 57-64	34
1346	A simple, low-cost CVD route to thin films of BiFeO3 for efficient water photo-oxidation. <b>2014</b> , 2, 2922	72
1345	Effects of Fray irradiation on ferroelectric properties of Pr and Mn co-substituted BiFeO3 thin films. <b>2014</b> , 47, 045310	6
1344	Stabilization of metastable tetragonal phase in a rhombohedral magnetoelectric multiferroic BiFeO3PbTiO3. <b>2014</b> , 47, 045004	18
1343	BiFeO3 epitaxial thin films and devices: past, present and future. <b>2014</b> , 26, 473201	173
1342	Microstructure of highly strained BiFeO3 thin films: Transmission electron microscopy and electron-energy loss spectroscopy studies. <b>2014</b> , 115, 043526	16
1341	Electronic structure and magnetic properties of PbMO3 (M = Fe, Co, Ni) magnetic perovskites: An ab initio study. <b>2014</b> , 28, 1450205	11
1340	Measurement of transient photoabsorption and photocurrent of BiFeO3 thin films: Evidence for long-lived trapped photocarriers. <b>2014</b> , 89,	24
1339	Introducing a large polar tetragonal distortion into Ba-doped BiFeO3 by low-temperature fluorination. <b>2014</b> , 53, 12572-83	21
1338	Bimodal island size distribution in heteroepitaxial growth. <b>2014</b> , 112, 075503	6
1337	Phase transitions and antiferroelectricity in BiFeO3 from atomic-level simulations. <b>2014</b> , 90,	15
1336	Optimization of excess Bi doping to enhance ferroic orders of spin casted BiFeO3 thin film. <b>2014</b> , 115, 234105	37
1335	Photovoltaic Property of Multiferroic \${hbox{BiFeO}}_3\$ Films With Different Textures on Glass Substrates. <b>2014</b> , 50, 1-4	1
1334	Structure and properties of (1 lk)BiFeO3 lxPbFe2/3W1/3O3 (0 lk ll) solid solutions. <b>2014</b> , 50, 1272-1276	
1333	Low-temperature acetone-assisted hydrothermal synthesis and characterization of BiFeO3 powders. <b>2014</b> , 25, 4039-4045	17
1332	Effect of process condition on the ferroelectric properties in BiFeO3-(Bi,K)TiO3 ceramics. <b>2014</b> , 65, 382-386	4
1331	Heat capacity and dielectric properties of multiferroics Bi1 $\mathbb{R}$ Gd x FeO3 (x = 0 $\mathbb{D}$ .20). <b>2014</b> , 56, 1412-1415	12

Weak ferromagnetism and spin density distributions in thin films of Gd x Bi1 Ik FeO3 solid solutions. **2014**, 78, 690-693

1329	Transformations of Space-Modulated Structures in BiFeO3 Like Multiferroics. <b>2014</b> , 215, 495-498	1
1328	Effects of Ba0.7Sr0.3TiO3-based buffer layers and La/Mn doping on the crystallization behavior and multiferroic properties of BiFeO3 thin films. <b>2014</b> , 4, 55889-55896	5
1327	Effect of lanthanum doping on tetragonal-like BiFeO3 with mixed-phase domain structures. <b>2014</b> , 90,	22
1326	Combined structural, electrical, magnetic and optical characterization of bismuth ferrite nanoparticles synthesized by auto-combustion routePeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society. View all notes. <b>2014</b> , 2, 416-421	58
1325	Rapid synthesis, structure and photocatalysis of pure bismuth A-site perovskite of Bi(Mg3/8Fe2/8Ti3/8)O3. <b>2014</b> , 43, 9255-9	5
1324	Simple top-down preparation of magnetic Billidle ExTixOlhanoparticles by ultrasonication of multiferroic bulk material. <b>2014</b> , 6, 14336-42	31
1323	Synthesis and properties of single crystal TbMn2O5 nanostructures. <b>2014</b> , 4, 58337-58341	1
1322	Effect of Substrates on the Structure and Ferroelectric Properties of Multiferroic \${hbox{BiFeO}}_{3}\$ Films. <b>2014</b> , 50, 1-4	1
1321	Structural and electric evidence of ferrielectric state in PbMnWOldouble perovskite system. <b>2014</b> , 53, 10283-90	13
1320	MEsbauer study of temperature-dependent cycloidal ordering in BiFeO3 nanoparticles. <b>2014</b> , 14, 6061-5	32
1319	Structural evolution from Bi4.2K0.8Fe2O9+hanobelts to BiFeO3 nanochains in vacuum and their multiferroic properties. <b>2014</b> , 6, 14766-71	8
1318	Multiferroic Properties and Piezoelectric Characterizations of Bismuth Ferrite Based Compounds Produced by Spark Plasma Sintering. <b>2014</b> , 975, 257-262	
1317	BiFeO3 thin films prepared on metallic Ni tapes by chemical solution deposition: effects of annealing temperature and a La0.5Sr0.5TiO3 buffer layer on the dielectric, ferroelectric and leakage properties. <b>2014</b> , 4, 32738-32743	13
1316	Atmosphere controlled conductivity and Maxwell-Wagner relaxation in Bi0.5K0.5TiO3 <b>B</b> iFeO3 ceramics. <b>2014</b> , 115, 044104	33
1315	Novel behaviors of multiferroic properties in Na-Doped BiFeO[hanoparticles. <b>2014</b> , 6, 10831-8	60
1314	Investigation of continuous changes in the electric-field-induced electronic state in Bi(1-x)Ca(x)FeO(3- <b>1 2014</b> , 16, 17412-6	17
1313	Ultrathin oriented BiFeO3 films from deposition of atomic layers with greatly improved leakage and ferroelectric properties. <b>2014</b> , 6, 443-9	23

1312	Jahn-Teller, polarity, and insulator-to-metal transition in BiMnO3 at high pressure. <b>2014</b> , 112, 075501	37
1311	Temperature-dependent interplay of Dzyaloshinskii-Moriya interaction and single-ion anisotropy in multiferroic BiFeO3. <b>2014</b> , 113, 107202	45
1310	Misfit strain driven cation inter-diffusion across an epitaxial multiferroic thin film interface. <b>2014</b> , 115, 054103	28
1309	Nanostructured Bi(1☑)Gd(x)FeO3 ြa multiferroic photocatalyst on its sunlight driven photocatalytic activity. <b>2014</b> , 4, 16871-16878	59
1308	Ab initio study of multiferroic BiFeO3 (110) surfaces. <b>2014</b> , 89,	16
1307	Structure and lattice dynamics of solid solutions (1 lk)BiFeO3-xANbO3 (A = K, Na). <b>2014</b> , 56, 1866-1871	2
1306	Structure and magnetism of the A site scandium perovskite (Sc0.94Mn0.06)Mn0.65Ni0.35O3 synthesized at high pressure. <b>2014</b> , 372, 20130012	9
1305	Structural, dielectric and magnetic properties of Gd and Dy doped (Bi 0.95 RE 0.05 )(Fe 0.95 Mn 0.05 )O 3 ceramics synthesized by SSR method. <b>2014</b> , 197, 1-5	3
1304	Cyclic Chemical Vapor Deposition of Nickel Ferrite Thin Films Using Organometallic Precursor Combination. <b>2014</b> , 3, P345-P352	17
1303	Influence of multi-element co-doping on structure and multiferroic properties of BiFeO 3 thin films. <b>2014</b> , 136, 314-317	5
1302	Enhanced Photovoltaic Performance in Polycrystalline BiFeO3 Thin Film/ZnO Nanorod Heterojunctions. <b>2014</b> , 118, 15200-15206	25
1301	Enhancement of magnetic and ferroelectric properties of BiFeO3 by Er and transition element (Mn, Co) co-doping. <b>2014</b> , 188, 26-30	33
1300	Evidence of spin-two phonon coupling and improved multiferroic behavior of Bi1\( \text{DyxFeO3} \) nanoparticles. <b>2014</b> , 40, 13347-13356	18
1299	Structure and multiferroic properties of Sr substituted Bi0.89\(\mathbb{B}\)Sm0.11SrxFe0.94(Mn0.04Cr0.02)O3 thin films. <b>2014</b> , 40, 13249-13256	10
1298	Element-specific depth profile of magnetism and stoichiometry at the La0.67Sr0.33MnO3/BiFeO3 interface. <b>2014</b> , 90,	16
1297	Interface strain-induced multiferroicity in a SmFeO3 film. <b>2014</b> , 6, 7356-62	36
1296	Single phase, electrically insulating, multiferroic La-substituted BiFeO3 prepared by mechanosynthesis. <b>2014</b> , 2, 8398-8411	40
1295	Control of conductivity and electric field induced strain in bulk Bi0.5K0.5TiO3 <b>B</b> iFeO3 ceramics. <b>2014</b> , 104, 122905	24

1294	Impact of the various spin- and orbital-ordering processes on the multiferroic properties of orthovanadate DyVO3. <b>2014</b> , 90,	14
1293	Cation exchange in a 3D perovskite-synthesis of Ni(0.5)TaOII <b>2014</b> , 53, 8020-4	9
1292	Conduction mechanism and dielectric properties of BiFeO3BaTiO3 solid solutions. 2014, 25, 4896-4901	11
1291	Monocrystalline mesoporous metal oxide with perovskite structure: a facile solid-state transformation of a coordination polymer. <b>2014</b> , 50, 13849-52	10
1290	Investigation of the dielectric relaxation processes in PbZr 0.65 Ti 0.35 O 3 <b>B</b> aFe 12 O 19 multiferroic ceramic composites. <b>2014</b> , 148, 841-845	
1289	Hierarchically Grown CaMn3O6 Nanorods by RF Magnetron Sputtering for Enhanced Visible-Light-Driven Photocatalysis. <b>2014</b> , 118, 24127-24135	14
1288	Phase diagram of BiFeO3/LaFeO3 superlattices studied by x-ray diffraction experiments and first-principles calculations. <b>2014</b> , 90,	9
1287	Multiferroic hexagonal ferrites (h-RFeO3, R = Y, Dy-Lu): a brief experimental review. <b>2014</b> , 28, 1430008	50
1286	Theoretical study of stability and electronic structure of the new type of ferroelectric materials XSnO3 (X = Mn, Zn, Fe, Mg). <b>2014</b> , 28, 1450224	10
1285	Nanoscale Bi2FeO6⊠ precipitates in BiFeO3 thin films: a metastable Aurivillius phase. <b>2014</b> , 49, 6952-6960	8
1284	Exchange-biased hybrid ferromagnetic-multiferroic core-shell nanostructures. <b>2014</b> , 6, 7215-20	24
1283	Single-crystalline Bi2Fe4O9 synthesized by low-temperature co-precipitation: performance as photo- and Fenton catalysts. <b>2014</b> , 4, 27820-27829	40
1282	Photoelectrochemical response and electronic structure analysis of mono-dispersed cuboid-shaped Bi2Fe4O9 crystals with near-infrared absorption. <b>2014</b> , 4, 28209-28218	24
1281	Tunable multiferroic and bistable/complementary resistive switching properties of dilutely Li-doped BiFeO3 nanoparticles: an effect of aliovalent substitution. <b>2014</b> , 6, 4735-44	84
1280	Relaxor ferroelectricity and magnetoelectric coupling in ZnO-Co nanocomposite thin films: beyond multiferroic composites. <b>2014</b> , 6, 4737-42	29
1279	Structural and electrical characterization of BiFeO3NaTaO3 multiferroic. 2014, 116, 1833-1840	9
1278	Structural and electrical properties of La-modified BiFeO3BaTiO3 composites. 2014, 25, 2086-2095	38
1277	Photovoltaic properties of Pt/BiFeO3 thin film/fluorine-doped tin oxide capacitor. <b>2014</b> , 72, 74-79	6

1276	The acute cytotoxicity of bismuth ferrite nanoparticles on PC12 cells. <b>2014</b> , 16, 1	6
1275	Effects of Ho and Ti Doping on Structural and Electrical Properties of BiFeO3 Thin Films. <b>2014</b> , 97, 235-240	35
1274	Heteroepitaxy of tetragonal BiFeO(3) on hexagonal sapphire(0001). <b>2014</b> , 6, 2639-46	13
1273	Co-existence of tetragonal and monoclinic phases and multiferroic properties for x ? 0.30 in the (1 🛭 x)Pb(Zr0.52Ti0.48)O3(k)BiFeO3 system. <b>2014</b> , 614, 165-172	13
1272	Enormous energy harvesting and storage potential in multiferroic epitaxial thin film hetrostructures: an unforeseen era. <b>2014</b> , 1, 015503	15
1271	Thin film multiferroic nanocomposites by ion implantation. <b>2014</b> , 6, 1909-15	11
1270	Room temperature ferromagnetism of nonmagnetic element Ca-doped LiNbO3 films. <b>2014</b> , 10, 115-118	1
1269	Ferromagnetic magnetization switching by an electric field: A review. <b>2014</b> , 56, 865-872	19
1268	Optical properties of epitaxial BiFeO3 thin film grown on SrRuO3-buffered SrTiO3 substrate. <b>2014</b> , 9, 188	26
1267	Giant ultrafast photo-induced shear strain in ferroelectric BiFeO3. <b>2014</b> , 5, 4301	105
1267	Giant ultrafast photo-induced shear strain in ferroelectric BiFeO3. <b>2014</b> , 5, 4301  Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. <b>2014</b> , 89,	105
,	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman	
1266	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. <b>2014</b> , 89,  Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. <b>2014</b> , 155, 134-142	11
1266	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. <b>2014</b> , 89,  Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. <b>2014</b> , 155, 134-142	11
1266 1265 1264	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. 2014, 89,  Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. 2014, 155, 134-142  Development of an Atomic Level Model for BiFeO3from First-Principles. 2014, 461, 61-67  A comparative investigation on structure and multiferroic properties of bismuth ferrite thin films	11 10 2
1266 1265 1264 1263	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. 2014, 89,  Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. 2014, 155, 134-142  Development of an Atomic Level Model for BiFeO3from First-Principles. 2014, 461, 61-67  A comparative investigation on structure and multiferroic properties of bismuth ferrite thin films by multielement co-doping. 2014, 60, 596-603  Enhanced electric and magnetic properties in Cellr co-doped bismuth ferrite nanostructure. 2014,	11 10 2
1266 1265 1264 1263	Single-crystalline BiMnO3 studied by temperature-dependent x-ray diffraction and Raman spectroscopy. 2014, 89,  Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. 2014, 155, 134-142  Development of an Atomic Level Model for BiFeO3from First-Principles. 2014, 461, 61-67  A comparative investigation on structure and multiferroic properties of bismuth ferrite thin films by multielement co-doping. 2014, 60, 596-603  Enhanced electric and magnetic properties in Cell r co-doped bismuth ferrite nanostructure. 2014, 136, 441-444	11 10 2 4

1258	Electronic and magnetic properties of BiFeO 3 with intrinsic defects: First-principles prediction. <b>2014</b> , 23, 067102	4
1257	Visible-Light Photocatalysis in Ca0.6Ho0.4MnO3 Films Deposited by RF-Magnetron Sputtering Using Nanosized Powder Compacted Target. <b>2014</b> , 118, 590-597	12
1256	Localized excited charge carriers generate ultrafast inhomogeneous strain in the multiferroic BiFeO3. <b>2014</b> , 112, 097602	8o
1255	Crystallographic and magnetic structure of the perovskite-type compound BaFeO2.5: unrivaled complexity in oxygen vacancy ordering. <b>2014</b> , 53, 5911-21	36
1254	Experimental evidence of enhanced ferroelectricity in Ca doped BiFeO3. <b>2014</b> , 144, 476-483	34
1253	Effect of cooling oxygen pressure on the photoconductivity in Bi0.9La0.1FeO3 thin films. <b>2014</b> , 591, 346-350	17
1252	Enhanced magnetization and magnetoelectric coupling in 1☑(BiFeO3)/x(La2/3Sr1/3MnO3) composites. <b>2014</b> , 69, 1-9	12
1251	Effects of La content on the magnetic, electric and structural properties of BiFeO3. <b>2014</b> , 354, 184-189	39
1250	Phase transition and enhanced multiferroic properties of (Sm, Mn and Cr) co-doped BiFeO3 thin films. <b>2014</b> , 40, 12179-12185	21
1249	Comparative study of room temperature and low temperature magnetization and magnetoelectric coupling behavior of Ti and Pr doped BiFeO3. <b>2014</b> , 67, 233-241	11
1248	Structural, electrical and magnetic properties of (Bi0.9RE0.1)(Fe0.97Co0.03)O3 (RE=Nd and Gd) thin films. <b>2014</b> , 52, 143-150	7
1247	Piezoelectric, ferroelectric properties of multiferroic YMnO3 epitaxial film studied by piezoresponse force microscopy. <b>2014</b> , 390, 56-60	6
1246	The oxygen octahedral distortion induced magnetic enhancement in multiferroic Bi1\( \text{Bi1}\text{WYbxFe0.95Co0.05O3} \) powders. <b>2014</b> , 604, 327-330	18
1245	Effects of gamma-ray irradiation on interface states and series-resistance characteristics of BiFeO3 MOS capacitors. <b>2014</b> , 319, 44-47	18
1244	Ferroelectric and ferromagnetic properties of Bi7\LaxFe1.5Co1.5Ti3O21 ceramics prepared by the hot-press method. <b>2014</b> , 600, 168-171	35
1243	Effect of structural transition on magnetic and optical properties of Ca and Ti co-substituted BiFeO3 ceramics. <b>2014</b> , 584, 566-572	89
1242	Preparation and characterization of Bi-doped LuFeO3 thin films grown on LaNiO3 substrate. <b>2014</b> , 387, 6-9	7
1241	Magnetoelectric Devices for Spintronics. <b>2014</b> , 44, 91-116	261

1240	Structure, conduction mechanisms and multiferroic properties of (Sm, Cr) co-doped Bi0.89Sm0.11Fe0.97Cr0.03O3NiFe2O4 composition thin films. <b>2014</b> , 25, 3389-3395	4
1239	Control of ferroelectricity and magnetism in multi-ferroic BiFeO3 by epitaxial strain. <b>2014</b> , 372, 20120438	28
1238	Ce-doped bismuth ferrite thin films with improved electrical and functional properties. <b>2014</b> , 49, 5355-5364	39
1237	The preparation and characterization of 1D multiferroic BFO/P(VDF-TrFE) composite nanofibers using electrospinning. <b>2014</b> , 130, 157-159	13
1236	Effect of TbMn substitution on the magnetic and electrical properties of BiFeO3 ceramics. <b>2014</b> , 364, 60-67	15
1235	Defect thermodynamics and kinetics in thin strained ferroelectric films: The interplay of possible mechanisms. <b>2014</b> , 89,	25
1234	Chiral Properties of BiFeO3 Inferred from Resonant X-ray Bragg Diffraction. <b>2014</b> , 83, 013706	3
1233	Structure, ferroelectric and piezoelectric properties of Bi0.5(Na0.8K0.2)0.5TiO3 modified BiFeO3 <b>B</b> aTiO3 lead-free piezoelectric ceramics. <b>2014</b> , 25, 3753-3761	10
1232	Structure, leakage mechanism and multiferroic properties of (Mn, Cr) co-doped BiFe0.93Mn0.04Cr0.03O3/NiFe2O4 bilayer film by sol <b>g</b> el. <b>2014</b> , 72, 186-193	6
1231	Possibility of room-temperature multiferroism in Mg-doped ZnO. <b>2014</b> , 114, 453-457	39
1230	Interfaces and Nanostructures of Functional Oxide Octahedral Framework Structures. 2014, 1,	2
1229	Phase Transition of BiFe1-xAlxO3 Films Prepared by Chemical Solution Deposition. <b>2014</b> , 61, S321-S323	3
1228	Electric Field-Induced Oxidation of Ferromagnetic/Ferroelectric Interfaces. <b>2014</b> , 24, 71-76	24
1227	A new chiral phase of BiFeO3evidenced from resonant x-ray Bragg diffraction. <b>2014</b> , 519, 012012	
1226	Temperature dependence of magnetic and magnetotransport properties in BiFeO3 thin films by pulsed laser deposition. <b>2014</b> , 1636, 1	
1225	The Influence of La and Ho Substitution on Structural, Micro Structural and Magnetic Properties of Bifeo3 Nanopowders. <b>2015</b> , 11, 238-241	3
1224	Multiferroic Thin Films. <b>2015</b> , 1-15	
1223	First-Principles Materials Design of High-Performing Bulk Photovoltaics with the LiNbO3 Structure. <b>2015</b> , 4,	26

1222	Exploiting interfacial and size effects to construct oxide superlattices with robust and tunable magnetoelectric properties at room temperature. <b>2015</b> , 91,	3
1221	Ferroelectric soft mode of polar ZnTiO3 investigated by Raman spectroscopy at high pressure. <b>2015</b> , 91,	11
1220	Pressure-driven metal-insulator transition in BiFeO3 from dynamical mean-field theory. <b>2015</b> , 92,	19
1219	Linear antiferrodistortive-antiferromagnetic effect in multiferroics: Physical manifestations. <b>2015</b> , 92,	12
1218	Anisotropic optical properties of rhombohedral and tetragonal thin film BiFeO3 phases. <b>2015</b> , 92,	21
1217	Cycloid manipulation by electric field in BiFeO3 films: Coupling between polarization, octahedral rotation, and antiferromagnetic order. <b>2015</b> , 92,	17
1216	Magnetic structure of an incommensurate phase of La-doped BiFe0.5Sc0.5O3: Role of antisymmetric exchange interactions. <b>2015</b> , 92,	12
1215	Driving Spin Excitations by Hydrostatic Pressure in BiFeO(3). <b>2015</b> , 115, 267204	34
1214	Exchange-striction induced giant ferroelectric polarization in copper-based multiferroic material <code>Hfu2V2O7</code> . <b>2015</b> , 91,	35
1213	Successive Magnetic-Field-Induced Transitions and Colossal Magnetoelectric Effect in Ni_{3}TeO_{6}. <b>2015</b> , 115, 137201	40
1212	Giant optical enhancement of strain gradient in ferroelectric BiFeO3 thin films and its physical origin. <b>2015</b> , 5, 16650	27
1211	Electroelastic fields in artificially created vortex cores in epitaxial BiFeO3 thin films. <b>2015</b> , 107, 052903	23
<b>121</b> 0	Switchable photovoltaic and polarization modulated rectification in Si-integrated Pt/(Bi0.9Sm0.1)(Fe0.97Hf0.03)O3/LaNiO3 heterostructures. <b>2015</b> , 107, 162904	31
1209	Structural, electrical and magnetic properties of multiferroic Bi1-xGdxFeO3 (x = $0.00$ and $0.15$ ). <b>2015</b> ,	
1208	Stabilisation of Fe2O3-rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO3 Films. <b>2015</b> , 5, 13066	7
1207	Tetragonal BiFeO3 on yttria-stabilized zirconia. <b>2015</b> , 3, 116104	6
1206	Unraveling the magnetic properties of BiFe0.5Cr0.5O3 thin films. <b>2015</b> , 3, 116107	11
1205	Abnormal variation of band gap in Zn doped Bi0.9La0.1FeO3 nanoparticles: Role of Fe-O-Fe bond angle and Fe-O bond anisotropy. <b>2015</b> , 107, 042905	10

1204	Crystallization engineering as a route to epitaxial strain control. <b>2015</b> , 3, 106102	10
1203	A bridge for accelerating materials by design. <b>2015</b> , 1,	33
1202	Rotomagnetic couplings influence on the magnetic properties of antiferrodistortive antiferromagnets. <b>2015</b> , 118, 144101	8
1201	Near room temperature giant magnetodielectricity in BiFeO3/CoFe2O4 composite. 2015,	
1200	Impedance and AC conductivity study of nano crystalline, fine grained multiferroic bismuth ferrite (BiFeO3), synthesized by microwave sintering. <b>2015</b> , 5, 097164	46
1199	Atomic layer deposition of perovskite oxides and their epitaxial integration with Si, Ge, and other semiconductors. <b>2015</b> , 2, 041301	64
1198	Effect of substrates on magnetization of BiFeO3 films. <b>2015</b> , 118, 075303	6
1197	Synthesis and characterization of BiFeO3 for photocatalytic degradation of azo dye. 2015,	
1196	Long-time relaxation of photo-induced influence on BiFeO3 thin films. <b>2015</b> , 118, 204103	11
1195	Magnetoresistance of galfenol-based magnetic tunnel junction. <b>2015</b> , 5, 127128	1
1194	Rare earth (La) and metal ion (Pb) substitution induced structural and multiferroic properties of bismuth ferrite. <b>2015</b> , 4, 292-299	9
1193	Strain Localization in Thin Films of Bi(Fe,Mn)O3 Due to the Formation of Stepped Mn(4+)-Rich Antiphase Boundaries. <b>2015</b> , 10, 407	11
1192	Low Temperatures Dielectric Anomaly in BiFeO3-Based Multiferroic Ceramics. 2015, 77-86	
1191	Thermodynamic analysis of defect formation in BiFeO3. <b>2015</b> , 12, 117-119	2
1190	Magnetic and dielectric properties of [N(C2H5)4]2CoClBr3 solid solution: A new potential multiferroic. <b>2015</b> , 252, 1778-1782	5
1189	Electric-Field-Induced Domain Switching and Domain Texture Relaxations in Bulk Bismuth Ferrite. <b>2015</b> , 98, 3884-3890	23
1188	High-Performance Lead-Free Piezoceramics with High Curie Temperatures. <i>Advanced Materials</i> , 2015, 27, 6976-82	283
1187	A Facile Chemical Solution-Based Method for Epitaxial Growth of Thick Ferrite Films. <b>2015</b> , 1, 1500102	2

1186	Facile Synthesis of Highly Efficient pl Heterojunction CuO/BiFeO3 Composite Photocatalysts with Enhanced Visible-Light Photocatalytic Activity. <b>2015</b> , 7, 3279-3289	77
1185	Structural and Ferroic Properties of La, Nd, and Dy Doped BiFeO3 Ceramics. <b>2015</b> , 2015, 1-8	9
1184	Polar Order Evolutions near the Rhombohedral to Pseudocubic and Tetragonal to Pseudocubic Phase Boundaries of the BiFeOBaTiOBystem. <b>2015</b> , 8, 8355-8365	14
1183	Double crystal symmetries in morphotropic phase boundary of substituted BiFeO3 ceramics. <b>2015</b> ,	
1182	Size effect on the magnetic properties of oleic acid stabilized substrate free BiFeO3nanocrystals. <b>2015</b> , 70, 10601	1
1181	Epitaxial Growth and Multiferroic Properties of (001)-Oriented BiFeO3-YMnO3 Films. 2015, 2, 157-162	4
1180	Characterization of Multiferroic Domain Structures in Multiferroic Oxides. <b>2015</b> , 2015, 1-8	5
1179	Preparation and characterization of Bi1⊠NdxFeO3 ceramics. <b>2015</b> , 88, 817-824	
1178	Strain-mediated electric-field control of exchange bias in a Co90Fe10/BiFeO3/SrRuO3/PMN-PT heterostructure. <b>2015</b> , 5, 8905	46
1177	Magnetic interactions in BiFellMnllDlFilms and BiFeO/BiMnOlsuperlattices. <b>2015</b> , 5, 9093	35
,,	Magnetic interactions in BiFellMnlDlFilms and BiFeO/BiMnOlsuperlattices. 2015, 5, 9093  High density array of multiferroic nanoislands in a large area. 2015, 3, 2237-2243	35
,,		
1176	High density array of multiferroic nanoislands in a large area. <b>2015</b> , 3, 2237-2243  Texture control of multiferroic BiFeO3 polycrystalline films on glass substrates with various metal	11
1176 1175	High density array of multiferroic nanoislands in a large area. <b>2015</b> , 3, 2237-2243  Texture control of multiferroic BiFeO3 polycrystalline films on glass substrates with various metal electrode underlayers. <b>2015</b> , 117, 17C713  Formation of BiFeO3(110) films on ferromagnetic CoPt(111) electrode layer on glass substrates at	11
1176 1175 1174	High density array of multiferroic nanoislands in a large area. 2015, 3, 2237-2243  Texture control of multiferroic BiFeO3 polycrystalline films on glass substrates with various metal electrode underlayers. 2015, 117, 17C713  Formation of BiFeO3(110) films on ferromagnetic CoPt(111) electrode layer on glass substrates at reduced temperatures. 2015, 117, 17C721  Low-energy phases, electronic and optical properties of Bi 1½ La x FeO 3 solid solution: Ab-initio	11 2 5
1176 1175 1174 1173	High density array of multiferroic nanoislands in a large area. 2015, 3, 2237-2243  Texture control of multiferroic BiFeO3 polycrystalline films on glass substrates with various metal electrode underlayers. 2015, 117, 17C713  Formation of BiFeO3(110) films on ferromagnetic CoPt(111) electrode layer on glass substrates at reduced temperatures. 2015, 117, 17C721  Low-energy phases, electronic and optical properties of Bi 1 La x FeO 3 solid solution: Ab-initio LDA+U studies. 2015, 41, 10940-10948  The abnormal electrical and optical properties in Na and Ni codoped BiFeO3 nanoparticles. 2015,	11 2 5
1176 1175 1174 1173 1172	High density array of multiferroic nanoislands in a large area. 2015, 3, 2237-2243  Texture control of multiferroic BiFeO3 polycrystalline films on glass substrates with various metal electrode underlayers. 2015, 117, 17C713  Formation of BiFeO3(110) films on ferromagnetic CoPt(111) electrode layer on glass substrates at reduced temperatures. 2015, 117, 17C721  Low-energy phases, electronic and optical properties of Bi 1½ La x FeO 3 solid solution: Ab-initio LDA+U studies. 2015, 41, 10940-10948  The abnormal electrical and optical properties in Na and Ni codoped BiFeO3 nanoparticles. 2015, 117, 174106  Tunable magnetic and electrical behaviors in perovskite oxides by oxygen octahedral tilting. 2015,	11 2 5 14 18

1168	Structural, Dielectric, and Magnetic Properties of Ba-Doped Multiferroic Bismuth Ferrite. <b>2015</b> , 28, 958-964	14
1167	Versatility of electrospinning in the fabrication of fibrous mat and mesh nanostructures of bismuth ferrite (BiFeO3) and their magnetic and photocatalytic activities. <b>2015</b> , 17, 17745-54	55
1166	Novel behaviors of single-crystalline BiFeO3 nanorods hydrothermally synthesized under magnetic field. <b>2015</b> , 3, 6924-6931	32
1165	Multiferroic oxide thin films and heterostructures. <b>2015</b> , 2, 021304	112
1164	Static and dynamic strain coupling behaviour of ferroic and multiferroic perovskites from resonant ultrasound spectroscopy. <b>2015</b> , 27, 263201	48
1163	Strain correlated effect on structural, magnetic, and dielectric properties in Ti4+ substituted Bi0.8Ba0.2Fe1\text{\textsub}TixO3. <b>2015</b> , 46, 71-79	3
1162	Superior electro-optic response in multiferroic bismuth ferrite nanoparticle doped nematic liquid crystal device. <b>2015</b> , 5, 10845	37
1161	Structural, optical and vibrational properties of self-assembled Pbn+1(Ti1-x Fex)nO(3n+1)-1 Ruddlesden-Popper superstructures. <b>2015</b> , 5, 7719	6
1160	Magnetoelastic interaction in a ferromagnet-multiferroic system. <b>2015</b> , 57, 924-928	2
1159	Transport properties of Ba-doped BiFeO3 multiferroic nanoparticles. <b>2015</b> , 26, 6793-6800	17
1158	Effect of isovalent non-magnetic Fe-site doping on the electronic structure and spontaneous polarization of BiFeO3. <b>2015</b> , 117, 184104	8
1157	Dielectric and Electrical Properties of BiFeO3[liTaO3 Systems. <b>2015</b> , 44, 2359-2368	8
1156	Synthesis and characterization of Bismuth ferrite (BiFeO3) nanoparticles by solution evaporation method. <b>2015</b> , 393, 269-272	25
1155	In situ electron microscopy of ferroelectric domains. <b>2015</b> , 40, 53-61	10
1154	Spin and lattice excitations of a BiFeO3 thin film and ceramics. <b>2015</b> , 91,	21
1153	Dielectric and magnetic properties of (Bi1-xLaxFeO3)0.5(PbTiO3)0.5 ceramics prepared by high energy mechanochemical technique. <b>2015</b> , 35, 33-44	4
1152	Enhanced Multiferroic Properties of Eu-Doped BiFeO3 Thin Films Derived from Rhombohedral Tetragonal Phase Boundary. <b>2015</b> , 44, 3752-3760	5
1151	Electric-field-induced structural and magnetic transformations in BiFeO3 multiferroics. <b>2015</b> , 57, 933-942	7

1150	Epitaxial growth of magnetic-oxide thin films. <b>2015</b> , 129-172	2
1149	Phase transition and enhanced magneto-dielectric response in BiFeO3-DyMnO3 multiferroics. <b>2015</b> , 117, 144103	36
1148	Enhancement of photoinduced electrical properties of Al-doped ZnO/BiFeO3layered thin films prepared by chemical solution deposition. <b>2015</b> , 54, 10NA05	7
1147	Understanding Strain-Induced Phase Transformations in BiFeO Thin Films. <b>2015</b> , 2, 1500041	14
1146	Self-interaction corrected LDA + U investigations of BiFeO3properties: plane-wave pseudopotential method. <b>2015</b> , 2, 116101	24
1145	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. <b>2015</b> , 64, 519-626	486
1144	The facile synthesis, characterization and evaluation of photocatalytic activity of bimetallic FeBiO3 in natural sunlight exposure. <b>2015</b> , 5, 102663-102673	16
1143	Structure and MBsbauer spectroscopy studies of mechanically activated (BiFeO3)1¼-(BaTiO3)x solid solutions. <b>2015</b> , 60, 109-114	2
1142	Multiferroic properties of Bi0.5K0.5TiO3BiFe1⊠CoxO3 (0 ি ᠒ ᠒.2) solid solution. 2015, 5, 104210-104215	2
1141	Effects of Interface Layers and Domain Walls on the Ferroelectric-Resistive Switching Behavior of Au/BiFeO3/La0.6Sr0.4MnO3 Heterostructures. <b>2015</b> , 7, 26036-42	23
1140	Structure and local polar domains of Dy-modified BiFeO3PbTiO3 multiferroic solid solutions. <b>2015</b> , 3, 12450-12456	19
1139	Sintering behavior and dielectric properties of Bi3+-substituted Nd(Zn0.5Ti0.5)O3 microwave ceramics. <b>2015</b> , 29, 1550233	1
1138	Magnetoelectronicselectric field control of magnetism in the solid state. <b>2015</b> , 27, 500301	1
1137	Ferroelectric and Magnetic Properties of SrO-B2O3-SiO2 Glass-Doped BiFeO3 Ceramics. <b>2015</b> , 489, 43-50	5
1136	The Multiferroic Properties of BiFeO3Na0.5Bi0.5TiO3 Solid Solution Ceramics. 2015, 51, 1-4	3
1135	The Electrical and Enhanced Magnetic Properties of (Ce, Co) Doped BiFeO3 Particles Synthesized Via Sol-Gel Method. <b>2015</b> , 489, 73-80	4
1134	AlFeO3 nanoparticles: An efficient perovskite material for low operating bias memristive devices. <b>2015</b> ,	

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1132	Studies of structural, dielectric, electrical and ferroelectric characteristics of BiFeO3 and (Bi0.5K0.5)(Fe0.5Ta0.5)O3. <b>2015</b> , 26, 9640-9648	6
1131	Magneto-dielectricity in Li0.05Ti0.02Ni0.93O at room temperature. <b>2015</b> , 2, 096101	1
1130	New complex bismuth oxides in the Bi2O3NiOBb2O5 system and their properties. 2015, 225, 97-104	11
1129	The microstructure and ferroelectric property of Nd-doped multiferroic ceramics Bi0.85Nd0.15FeO3. <b>2015</b> , 41, 5498-5504	10
1128	Effect of film thickness and bottom electrode material on the ferroelectric and photovoltaic properties of sputtered polycrystalline BiFeO3 films. <b>2015</b> , 139, 325-328	26
1127	Multiferroic and magnetoelectric properties of BiFeO3\( CrO3\) ceramics at the rhombohedral\( Brthorhombic\) phase boundary. <b>2015</b> , 141, 168-171	4
1126	Fast synthesis of rare-earth (Pr3+, Sm3+, Eu3+ and Gd3+) doped bismuth ferrite powders with enhanced magnetic properties. <b>2015</b> , 629, 62-68	51
1125	Magnetic, ferroelectric and leakage current properties of gadolinium doped bismuth ferrite thin films by solgel method. <b>2015</b> , 381, 127-130	9
1124	Magnetoelectricity in BiFeO3 and BiFe0.98Co0.02O3 nano particles. 2015, 628, 32-38	14
1123	High field studies on BiFeO 3 single crystals grown by the laser-diode heating floating zone method. <b>2015</b> , 383, 259-261	6
1122	Synthesis, phase diagram and magnetic properties of (1 ြk)BiFeO3⊠LaMnO3 Solid Solution. <b>2015</b> , 634, 142-147	9
1121	In-field 57Fe MBsbauer study of multiferroic Ba0.5Sr1.5Zn2Fe12O22 Y-type hexaferrite. <b>2015</b> , 384, 27-32	7
1120	Microstructural and optical properties tuning of BiFeO3 thin films elaborated by magnetron sputtering. <b>2015</b> , 26, 3316-3323	5
1119	Electric polarization and diode-like conduction in hydrothermally grown BiFeO3 thin films. <b>2015</b> , 622, 734-737	6
1118	Oxygen-vacancy and charge hopping related dielectric relaxation and conduction process in orthorhombic Gd doped YFe0.6Mn0.4O3 multiferroics. <b>2015</b> , 628, 379-389	41
1117	Composition- and pressure-induced ferroelectric to antiferroelectric phase transitions in Sm-doped BiFeO3 system. <b>2015</b> , 106, 012903	43
1116	Synthesis, structures and magnetic properties of the dimorphic Mn2CrSbO6 oxide. <b>2015</b> , 44, 10665-72	34
1115	The local distortion and electronic behavior in Mn doped BiFeO3. <b>2015</b> , 633, 216-219	30

1114	Neutron inelastic scattering measurements of low-energy phonons in the multiferroic BiFeO3. <b>2015</b> , 91,	12
1113	Enhanced unipolar resistive switching in substituted Bi(Fe0.95Mn0.05)O3bilayer films. <b>2015</b> , 2, 026402	
1112	Improved multiferroic properties in (Ho, Mn) co-doped BiFeO3 thin films prepared by chemical solution deposition. <b>2015</b> , 41, 4668-4674	24
1111	Diffuse phase ferroelectric vs. Polomska transition in (1-x) BiFeO3-(x) Ba Zr0.025Ti0.975O3 (0.1 lk lb.3) solid solutions. <b>2015</b> , 117, 024102	8
1110	Ferroelectric domain structures and polarization switching characteristics of polycrystalline BiFeO3 thin films on glass substrates. <b>2015</b> , 15, 584-587	9
1109	Structural, electrical, and multiferroic properties of (Nd, Zn) co-doped BiFeO3 thin films prepared by a chemical solution deposition method. <b>2015</b> , 119, 667-672	8
1108	Structural, magnetic and electrical properties of BiFeO3 co-substituted with PrMn. 2015, 65, 224-230	9
1107	Phase transition and piezoelectricity of solgel-processed Sm-doped BiFeO3 thin films on Pt(111)/Ti/SiO2/Si substrates. <b>2015</b> , 3, 2115-2122	48
1106	BiFeO3Thin Films: A Playground for Exploring Electric-Field Control of Multifunctionalities. <b>2015</b> , 45, 249-275	60
1105	Mn substitution-induced revival of the ferroelectric antiferromagnetic phase in Bi1☐ Ca x FeO3☐/2 multiferroics. <b>2015</b> , 50, 1740-1745	13
1104	Photovoltaic and magnetic properties of BiFeO3/TiO2 heterostructures under epitaxial strain and an electric field. <b>2015</b> , 153, 405-409	4
1103	Effect of BaNb co-doping on the structural, dielectric, magnetic and ferroelectric properties of BiFeO3 nanoparticles. <b>2015</b> , 41, 6912-6919	53
1102	Ferroelectricity in hexagonal YFeO 3 film at room temperature. <b>2015</b> , 24, 017701	5
1101	Multiferroic behavior of templated BiFeO3-CoFe2O4 self-assembled nanocomposites. <b>2015</b> , 7, 2263-8	69
1100	Structural evolution and enhanced magnetization of Bi1\( \text{NPrxFeO3.} \) 2015, 382, 1-6	15
1099	Identification and mechanical control of ferroelastic domain structure in rhombohedral CaMn7O12. <b>2015</b> , 91,	6
1098	Enhanced optical properties and the origin of carrier transport in BiFeO3/TiO2 heterostructures with 109° domain walls. <b>2015</b> , 628, 311-316	11
1097	Magnetic glassBeramics containing multiferroic BiFeO3 crystals. <b>2015</b> , 40, 31-35	6

## (2015-2015)

1096	archetype multiferroic BiFeO3/cobalt system. <b>2015</b> , 91,	7
1095	Magnetic control of transverse electric polarization in BiFeO□ <b>2015</b> , 6, 5878	79
1094	Composition-driven structural phase transitions in rare-earth-doped BiFeO3 ceramics: a review. <b>2015</b> , 62, 62-82	118
1093	Effect of temperature on structural expansion for Bi0.8☑PrxBa0.2FeO3 (x ๋█.1) ceramics. <b>2015</b> , 602, 74-77	2
1092	Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO3 thin films. <b>2015</b> , 74, 329-339	28
1091	Effects of Bismuth Oxide Buffer Layer on BiFeO3 Thin Film. <b>2015</b> , 98, 724-731	18
1090	Dielectric investigations of polycrystalline samarium bismuth ferrite ceramic. <b>2015</b> , 106, 012906	22
1089	Intrinsic interfacial phenomena in manganite heterostructures. <b>2015</b> , 27, 123001	22
1088	Optical properties of epitaxial BiFeO3 thin films grown on LaAlO3. <b>2015</b> , 106, 012908	44
1087	Strain effects on multiferroic BiFeO3 films. <b>2015</b> , 16, 193-203	33
1087	Strain effects on multiferroic BiFeO3 films. <b>2015</b> , 16, 193-203  Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. <b>2015</b> , 117, 064105	33
ĺ	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based	
1086	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. <b>2015</b> , 117, 064105  Hetero-epitaxial BiFeO3/SrTiO3 nanolaminates with higher piezoresponse performance over	3
1086	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. <b>2015</b> , 117, 064105  Hetero-epitaxial BiFeO3/SrTiO3 nanolaminates with higher piezoresponse performance over stoichiometric BiFeO3 films. <b>2015</b> , 106, 022905  Mesoporous bismuth ferrite with amplified magnetoelectric coupling and electric field-induced	3
1086 1085 1084	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. 2015, 117, 064105  Hetero-epitaxial BiFeO3/SrTiO3 nanolaminates with higher piezoresponse performance over stoichiometric BiFeO3 films. 2015, 106, 022905  Mesoporous bismuth ferrite with amplified magnetoelectric coupling and electric field-induced ferrimagnetism. 2015, 6, 6562  VogelBulcher analysis of relaxor dielectrics with the tetragonal tungsten bronze structure:	3 11 51
1086 1085 1084 1083	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. 2015, 117, 064105  Hetero-epitaxial BiFeO3/SrTiO3 nanolaminates with higher piezoresponse performance over stoichiometric BiFeO3 films. 2015, 106, 022905  Mesoporous bismuth ferrite with amplified magnetoelectric coupling and electric field-induced ferrimagnetism. 2015, 6, 6562  VogelBulcher analysis of relaxor dielectrics with the tetragonal tungsten bronze structure: Ba6MNb9O30 (M = Ga, Sc, In). 2015, 120, 1249-1259  Effect of rhombohedral to orthorhombic transition on magnetic and dielectric properties of La and	3 11 51 22
1086 1085 1084 1083	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. 2015, 117, 064105  Hetero-epitaxial BiFeO3/SrTiO3 nanolaminates with higher piezoresponse performance over stoichiometric BiFeO3 films. 2015, 106, 022905  Mesoporous bismuth ferrite with amplified magnetoelectric coupling and electric field-induced ferrimagnetism. 2015, 6, 6562  VogelBulcher analysis of relaxor dielectrics with the tetragonal tungsten bronze structure: Ba6MNb9O30 (M = Ga, Sc, In). 2015, 120, 1249-1259  Effect of rhombohedral to orthorhombic transition on magnetic and dielectric properties of La and Ti co-substituted BiFeO3. 2015, 24, 045028  Templated assembly of BiFeOlhanocrystals into 3D mesoporous networks for catalytic	3 11 51 22 44

1078	Irreversible electrical manipulation of magnetization on BiFeO3-based heterostructures. <b>2015</b> , 117, 17D707	3
1077	High-pressure synthesis, crystal structure and magnetic properties of TlCrO3 perovskite. <b>2015</b> , 44, 10785-94	13
1076	Effect of cobalt substitution on the optical properties of bismuth ferrite thin films. <b>2015</b> , 34, 109-113	16
1075	Piezoelectric ceramic materials for power ultrasonic transducers. <b>2015</b> , 101-125	4
1074	Synthesis of Pt/BiFeO3 heterostructured photocatalysts for highly efficient visible-light photocatalytic performances. <b>2015</b> , 143, 386-396	98
1073	Two-Dimensional Superlattices of Bi Nanoclusters Formed on a Au(111) Surface Using Porous Supramolecular Templates. <b>2015</b> , 9, 8547-53	23
1072	Effect of Ho substitution on structure and magnetic property of BiFeO3 prepared by sol <b>g</b> el method. <b>2015</b> , 40, 787-795	16
1071	Enhanced multiferroic properties of Nd and Co co-doped BiFeO3 ceramics. <b>2015</b> , 26, 6907-6912	6
1070	Properties of Bi0.8Ln0.2FeO3 (Ln=La, Gd, Ho) multiferroic ceramics. <b>2015</b> , 41, 14718-14726	18
1069	Multiferroic properties of (Bi, Ca)FeO 3 films on glass substrates. <b>2015</b> , 355, 121-126	5
1068	Functional properties of Sm2NiMnO6 multiferroic ceramics prepared by spark plasma sintering. <b>2015</b> , 649, 151-158	17
1067	Photothermal Electrical Resonance Spectroscopy of Physisorbed Molecules on a Nanowire Resonator. <b>2015</b> , 15, 5658-63	14
1066	Magnetoelectric coupling of LaFeO3/BiFeO3 heterostructures. <b>2015</b> , 41, 13126-13134	12
1065	Structural, magnetic and photocatalytic properties of La and alkaline co-doped BiFeO3 nanoparticles. <b>2015</b> , 40, 796-802	31
1064	Ti doping-driven magnetic and morphological changes in multiferroic ceramics of Bi0.9La0.1FeO3. <b>2015</b> , 48, 345001	11
1063	Magnetic Augment in the Nitrogen Substituted Bismuth Ferrite. <b>2015</b> , 51, 1-3	5
1062	Dissipationless multiferroic magnonics. <b>2015</b> , 114, 157203	34
1061	Ab Initio Study of BiFeO3: Thermodynamic Stability Conditions. <b>2015</b> , 6, 2847-51	38

1060	Ferroelectric control of magnetism in P(VDFIIrFE)/Co heterostructure. <b>2015</b> , 26, 7502-7506	9
1059	Synthesis of nano-structured Bi1\( \text{BaxFeO3} \) ceramics with enhanced magnetic and electrical properties. <b>2015</b> , 162, 106-112	21
1058	Structural and magnetic studies of the nickel doped CoFe2O4 ferrite nanoparticles synthesized by the chemical co-precipitation method. <b>2015</b> , 394, 379-384	67
1057	Destructive Interactions between Pore Forming Agents and Matrix Phase during the Fabrication Process of Porous BiFeO3 Ceramics. <b>2015</b> , 31, 798-805	13
1056	Ultrafast microwave hydrothermal synthesis and characterization of Bi1\( \mathbb{B}\)LaxFeO3 micronized particles. <b>2015</b> , 162, 69-75	15
1055	Effect of metamagnetism on multiferroic property in double perovskite Sm2CoMnO6. <b>2015</b> , 117, 17D914	16
1054	Structural evolution and physical properties of multiferroic Bi0.9\(\mathbb{B}\)La0.1PbxFeO3\(\mathbb{A}\)/2ceramics. <b>2015</b> , 48, 305004	5
1053	Electronic Structure of BiFeO3in Different Crystal Phases. <b>2015</b> , 127, 266-268	6
1052	First-principles study of structural, electronic, and ferroelectric properties of rare-earth-doped BiFeO3. <b>2015</b> , 50, 6227-6235	26
1051	Structural, Electrical, and Magnetic Properties of Mechanosynthesized (1日)BiFeO3-xBaMnO3 (0日x日.15) Multiferroic System. <b>2015</b> , 44, 3811-3818	4
1050	Enhanced magnetic response in single-phase Bi0.80La0.15A0.05FeO3[[A=Ca, Sr, Ba] ceramics. <b>2015</b> , 220, 6-11	9
1049	Utilizing the anti-ferromagnetic functionality of a multiferroic shell to study exchange bias in hybrid core-shell nanostructures. <b>2015</b> , 7, 13398-403	15
1048	Structural modification and enhanced magnetic properties with two phonon modes in Callo codoped BiFeO3 nanoparticles. <b>2015</b> , 41, 14306-14314	9
1047	Studying the Polarization Switching in Polycrystalline BiFeO3 Films by 2D Piezoresponse Force Microscopy. <b>2015</b> , 5, 12237	26
1046	Conduction mechanisms and enhanced multiferroic properties of Sr doped Bi0.85\(\mathbb{B}\)Pr0.15SrxFe0.97Mn0.03O3 thin films. <b>2015</b> , 26, 7407-7414	3
1045	Enhanced multiferroic properties in epitaxial Yb-doped BiFeO3 thin films. <b>2015</b> , 11, 609-613	9
1044	X-Ray Diffraction, M\(\text{S}\)sbauer Spectroscopy, and Magnetoelectric Effect Studies of Multiferroic Bi5Ti3FeO15Ceramics. <b>2015</b> , 127, 296-299	16
1043	Nanoscale study of perovskite BiFeO3/spinel (Fe,Zn)3O4 co-deposited thin film by electrical scanning probe methods. <b>2015</b> , 351, 531-536	7

1042	Dielectric and piezoelectric properties of BiFeO3 from molecular dynamics simulations. <b>2015</b> , 218, 10-13	18
1041	Tuning Magnetic Properties of BiFeO3 Thin Films by Controlling Rare-Earth Doping: Experimental and First-Principles Studies. <b>2015</b> , 150616125012002	28
1040	Structural, magnetic and ferroelectric properties of Pr doped multiferroics bismuth ferrites. <b>2015</b> , 394, 385-390	43
1039	Epitaxial multiferroic heterostructures. <b>2015</b> , 87-101	
1038	Effect of sintering temperature on structure and multiferroic properties of Bi0.825Sm0.175FeO3 ceramics. <b>2015</b> , 162, 469-476	19
1037	Investigation of electrical properties in La-doped BiFeO3PbTiO3 thin films prepared by solgel method. <b>2015</b> , 76, 220-226	4
1036	Structure, piezoelectric and multiferroic properties of Bi(Ni0.5Mn0.5)O3-modified BiFeO3 <b>B</b> aTiO3 ceramics. <b>2015</b> , 26, 9451-9462	6
1035	Strain-based scanning probe microscopies for functional materials, biological structures, and electrochemical systems. <b>2015</b> , 1, 3-21	87
1034	Magnetic properties of solid solutions between BiCrO and BiGaO with perovskite structures. <b>2015</b> , 16, 026003	10
1033	Thickness-dependent phase boundary in Sm-doped BiFeO3 piezoelectric thin films on Pt/Ti/SiO2/Si substrates. <b>2015</b> , 17, 19759-65	15
1032	Oxygen octahedra distortion induced structural and magnetic phase transitions in Bi1\( \text{Bi1}\( \text{CaxFe1}\( \text{M}\) MnxO3 ceramics. <b>2015</b> , 117, 194103	86
1031	Enhancement in magnetic properties of magnesium substituted bismuth ferrite nanoparticles. <b>2015</b> , 117, 224101	11
1030	Enhanced ferromagnetism in N-doped BiFeO3: A first-principles prediction. <b>2015</b> , 644, 30-39	10
1029	Current rectifying and resistive switching in high density BiFeO3 nanocapacitor arrays on Nb-SrTiO3 substrates. <b>2015</b> , 5, 9680	59
1028	Structural, dielectric, vibrational and magnetic properties of Sm doped BiFeO3 multiferroic ceramics prepared by a rapid liquid phase sintering method. <b>2015</b> , 41, 9285-9295	76
1027	Mechanical Switching of Nanoscale Multiferroic Phase Boundaries. <b>2015</b> , 25, 3405-3413	33
1026	Gas-sensing and electrical properties of perovskite structure p-type barium-substituted bismuth ferrite. <b>2015</b> , 5, 29618-29623	78
1025	Phase transition and enhanced electrical properties in 0.725BiFeO3-0.275Ba0.85Ca0.15Ti0.9Zr0.1\( \text{\text{S}} \) SnxO3 multiferroic ceramics. <b>2015</b> , 637, 137-142	6

1024	Structural, vibrational, electrical and magnetic properties of Bi1\(\mathbb{B}\)PrxFeO3. <b>2015</b> , 41, 8511-8519	21
1023	Structural, electrical and multiferroic properties of La-doped mullite Bi2Fe4O9 thin films. <b>2015</b> , 70, 279-283	18
1022	Enhanced switching characteristics and piezoelectric response in epitaxial BiFeO3IIbMnO3 thin films. <b>2015</b> , 466-467, 11-15	4
1021	First-principles study on ferromagnetism in Mn-doped tetragonal BiFeO3. <b>2015</b> , 105, 1-5	16
1020	Structural, electrical and magnetic properties of rare-earth and transition element co-doped bismuth ferrites. <b>2015</b> , 641, 205-209	35
1019	Mechanism of ferroelectric resistive switching in Bi0.9La0.1FeO3 thin films. <b>2015</b> , 583, 13-18	6
1018	The multiferroic properties of BiFe0.5Mn0.5O3 and BiFeO3/BiMnO3 superlattice films. <b>2015</b> , 117, 17D911	6
1017	Investigation of phase coexistence and correlation in La1 $\square$ BixMnO3+( $x = 0.4$ and 0.6). <b>2015</b> , 2, 046105	6
1016	Room temperature polarization in the ferrimagnetic Ga2NFexO3 ceramics. <b>2015</b> , 35, 2277-2281	11
1015	Effect of local structural distortion on magnetic and dielectric properties in BiFeO3 with Ba, Ti co-doping. <b>2015</b> , 468-469, 81-84	12
1014	First principles prediction of interfacial magnetoelectric coupling in tetragonal La2/3Sr1/3MnO3/BiFeO3 multiferroic superlattices. <b>2015</b> , 17, 13647-53	5
1013	Domains and domain walls in multiferroics. <b>2015</b> , 16, 227-240	16
1012	Enhanced magnetization with unusual low temperature magnetic ordering behaviour and spin reorientation in holmium-modified multiferroic BiFeO3perovskite ceramics. <b>2015</b> , 48, 205001	15
1011	Residual tensile stress in robust insulating rhombohedral Bi1\( \text{BLaxFe1}\( \text{JTiyO3} \) multiferroic ceramics and its ability to pin ferroelectric polarization switching. <b>2015</b> , 106, 112907	20
1010	Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO3 by chemical synthesis. <b>2015</b> , 41, 9265-9275	13
1009	BiFeO3 thin films via aqueous solution deposition: a study of phase formation and stabilization. <b>2015</b> , 50, 4463-4476	8
1008	Preparation and magnetic properties of La0.1Bi0.9FeO3/NiFe2O4 composite powders. <b>2015</b> , 26, 2688-2692	
1007	Solgel synthesis, characterization and dielectric properties of Bi1 La x FeO3. <b>2015</b> , 75, 134-140	5

1006	Effect of Rare Earth Doping on Impedance, Modulus and Conductivity Properties of Multiferroic Composites: 0.5(BiLa x Fe1⊠ O3) <b>D</b> .5(PbTiO3). <b>2015</b> , 28, 847-857	18
1005	Interfacial Charge Induced Magnetoelectric Coupling at BiFeO/BaTiOBilayer Interface. 2015, 7, 8472-9	50
1004	Intriguing photo-control of exchange bias in BiFeO3/La2/3Sr1/3MnO3 thin films on SrTiO3 substrates. <b>2015</b> , 10, 125	7
1003	Effects of Zn2+ and Mn4+ co-doping in BiFeO3 thin films. <b>2015</b> , 66, 1093-1096	
1002	Enhanced photovoltaic effect in K substituted BiFeO3 films. <b>2015</b> , 644, 602-606	13
1001	Influence of Mn dopants on the structure and multiferroic properties of a Bi0.90Ho0.10FeO3 thin film. <b>2015</b> , 5, 43594-43600	8
1000	Reactive sintering of (K0.5Bi0.5)TiO3-BiFeO3 lead-free piezoelectric ceramics. <b>2015</b> , 66, 1426-1438	4
999	Magnetoelectric effect in layered ferrite/PZT composites. Study of the demagnetizing effect on the magnetoelectric behavior. <b>2015</b> , 117, 184102	26
998	Ferroelectric properties and the origin of the magnetism in the Bi6Fe2Ti3O18 thin films. <b>2015</b> , 50, 5475-5481	10
997	Phonon thermal transport and phononhagnon coupling in polycrystalline BiFeO3systems. <b>2015</b> , 48, 115301	8
996	Structural, magnetic and dielectric properties of Sr and V doped BiFeO 3 multiferroics. <b>2015</b> , 385, 175-181	37
995	Mechanosynthesis and multiferroic properties of the BiFeO3BiMnO3PbTiO3 ternary system along its morphotropic phase boundary. <b>2015</b> , 3, 2255-2265	26
994	Solution Processed Bismuth Ferrite Thin Films for All-Oxide Solar Photovoltaics. <b>2015</b> , 119, 5872-5877	61
993	Enhanced piezoelectric activity in high-temperature Bi1 SmxLayFeO3 lead-free ceramics. <b>2015</b> , 3, 3684-3693	38
992	Effects of Ba and Ti Codoping on Stoichiometric and Nonstoichiometric BiFeO3 Multiferroic Ceramics. <b>2015</b> , 815, 154-158	2
991	Enhancement of Oxygen Vacancies Induced Photovoltaic Effects in Bi0.9La0.1FeO3 Thin Films. <b>2015</b> , 815, 176-182	2
990	Compliments of confinements: substitution and dimension induced magnetic origin and band-bending mediated photocatalytic enhancements in Bi(1-x)Dy(x)FeO3 particulate and fiber nanostructures. <b>2015</b> , 7, 10667-79	59
989	Structural, electrical and magnetic phase evolution of Cr substituted GdMn1 <b>©</b> r O3 (0 ?x? 0.2) manganites. <b>2015</b> , 644, 575-581	28

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988	BiFeO3-based lead-free high temperature ceramics. <b>2015</b> , 3, 5811-5824	105
987	Polarization switching at room temperature of undoped BiFeO3 thin films crystallized at temperatures between 400 IT I500 °C. <b>2015</b> , 26, 9373-9386	2
986	Microstructures and electrical properties of a LiZnO/BiFeO3 double-layered thin film fabricated by a chemical solution deposition method. <b>2015</b> , 41, S303-S307	2
985	High-quality single crystal growth and spin flop of multiferroic Co4Nb2O9. <b>2015</b> , 420, 90-93	21
984	Possible misleading interpretations on magnetic and transport properties in BiFeO3 nanoparticles caused by impurity phase. <b>2015</b> , 379, 1549-1553	15
983	Measuring the magnetoelectric effect across scales. <b>2015</b> , 38, 25-74	22
982	Synthesis, microstructural characterization, and dielectric properties of BiFeO3 microcrystals derived from molten salt method. <b>2015</b> , 41, S19-S25	23
981	PZT-like structural phase transitions in the BiFeO3-KNbO3 solid solution. <b>2015</b> , 44, 10608-13	8
980	Room temperature threshold switching behaviors of Bi0.9Nd0.1Fe1\(\mathbb{R}\)CoxO3 nanoparticles. <b>2015</b> , 3, 4141-4147	9
979	Electrical conductivity and thermopower of $(1 - x)$ BiFeO(3) - xBi(0.5)K(0.5)TiO3 (x = 0.1, 0.2) ceramics near the ferroelectric to paraelectric phase transition. <b>2015</b> , 17, 9420-8	28
978	Effect of Fuel on Phase Formation of Nanocrystalline Bismuth Ferrite (BiFeO3). 2015, 2, 1923-1926	3
977	Structural, Optical, and Electrical Characterization of Yttrium-Substituted BiFeO3 Ceramics Prepared by Mechanical Activation. <b>2015</b> , 54, 9876-84	17
976	Prediction of a metal <b>[</b> hsulator transition and a two-dimensional electron gas in orthoferrite LaTiO3/tetragonal BiFeO3 heterostructures. <b>2015</b> , 3, 11066-11075	12
975	SBR/BiFeO3 Elastomer Capacitor Films Prepared under Magnetic and Electric Fields Displaying Magnetoelectric Coupling. <b>2015</b> , 119, 23319-23328	11
974	Investigation of the properties of BiFeO3/intermediate-layer structures fabricated by magnetron sputtering. <b>2015</b> , 57, 1764-1771	
973	Dielectric, impedance and transport characteristics of (Bi0.6Pb0.4Fe0.6Ti0.4)O3. <b>2015</b> , 26, 10012-10019	3
972	Structural, Dielectric, and Electrical Properties of Bi1☑ Pb x Fe1☑ (Zr0.5Ti0.5) x O3. <b>2015</b> , 44, 4794-4803	
971	Annealing temperature effects on (111)-oriented BiFeO3 thin films deposited on Pt/Ti/SiO2/Si by chemical solution deposition. <b>2015</b> , 3, 10742-10747	18

970	Pursuing the Crystallization of Mono- and Polymetallic Nanosized Crystalline Inorganic Compounds by Low-Temperature Wet-Chemistry and Colloidal Routes. <b>2015</b> , 115, 11449-502	46
969	Competing magnetic interactions and low temperature magnetic phase transitions in composite multiferroics. <b>2015</b> , 2, 086101	4
968	Effect of local strain fields on the structural, NBl transition temperature and long range ferroelectric ordering in rare earth substituted Bi0.9R0.1FeO3 multiferroic ceramics (where, R = Gd3+, Tb3+, Dy3+). <b>2015</b> , 26, 8676-8687	7
967	Competition between compressive strain and Mn doping on tuning the structure and magnetic behavior of BiFeO3 thin films. <b>2015</b> , 08, 1550066	3
966	Structural phase transition and enhanced ferroelectricity in Bi(Fe1 IkMnx)O3 thin films deposited by pulsed laser deposition. <b>2015</b> , 594, 80-87	7
965	Characterization of interface defects in BiFeO3 metalBxideEemiconductor capacitors deposited by radio frequency magnetron sputtering. <b>2015</b> , 26, 5987-5993	14
964	Magnetic and transport properties assisted by local distortions in Bi2Mn4O10 and Bi2Fe4O9 multiferroic compounds. <b>2015</b> , 651, 405-413	8
963	Structure evolution and magnetic property of cobalt-modified Bi0.9Gd0.1FeO3 nanocrystal at morphotropic phase boundary. <b>2015</b> , 650, 489-493	2
962	Magnetic, magnetoelectric, magnetodielectric and magnetoresistance studies on CuO doped Sr2Bi4Ti5O18 lead free ferroelectric ceramics. <b>2015</b> , 650, 758-767	5
961	Phase transition in orthorhombic perovskite Sm1\( \text{LuxMnO3}\): Evidenced by the emergence of ferroelectric polarization. <b>2015</b> , 117, 17D913	
960	Grain size dependent phase stabilities and presence of a monoclinic (Pm) phase in the morphotropic phase boundary region of (1☑)Bi(Mg1/2Ti1/2)O3-xPbTiO3 piezoceramics. <b>2015</b> , 117, 144102	11
959	Effect of pressure on the magnetic properties of multiferroic BiFeO3. <b>2015</b> , 41, 528-533	7
958	Insight on the ferroelectric properties in a (BiFeO3)2(SrTiO3)4 superlattice from experiment and ab initio calculations. <b>2015</b> , 107, 042904	10
957	Dielectric and impedance spectroscopy of (Ba, Sm)(Ti, Fe)O3 system in the low-medium frequency range. <b>2015</b> , 26, 6572-6584	25
956	Effects of ZnO Content on Piezoelectric, Dielectric, and Magnetic Properties of Sr-Modified PZTPMWPNN/(Ni-Co-Cu) ME Composites. <b>2015</b> , 44, 3415-3421	1
955	Enhancement of visible-light photocatalytic activity in BiFeO3@carbon-microspheres heterostructures and its mechanism implication. <b>2015</b> , 26, 7496-7501	4
954	Solution processed TiO2/BiFeO3/poly(3-hexylthiophene) solar cells. <b>2015</b> , 159, 305-308	11
953	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb5O15. <b>2015</b> , 137, 13468-71	30

952	Nanostructured hexahedron of bismuth ferrite clusters: delicate synthesis processes and an efficient multiplex catalyst for organic pollutant degradation. <b>2015</b> , 5, 86891-86900	16
951	Direct observation of magnetodielectric effect in type-I multiferroic PbFe0.5Ti0.25W0.25O3. <b>2015</b> , 1545-1548	2
950	Ferromagnetism and enhanced photocatalytic activity in Nd doped BiFeO3 nanopowders. <b>2015</b> , 26, 9929-994	029
949	Enhanced Electrical Properties of Quenched (1 lk)Bi1 JSmyFeO3 MBiScO3 Lead-Free Ceramics. <b>2015</b> , 119, 21105-21115	26
948	The phase diagram and magnetic properties of Co and Ti co-doped (1월)BiFeO3월LaFeO3 solid solutions. <b>2015</b> , 650, 878-883	6
947	Nanocrystalline Ferroelectric BiFeO3 Thin Films by Low-Temperature Atomic Layer Deposition. <b>2015</b> , 27, 6322-6328	20
946	Quantitative phase separation in multiferroic Bi0.88Sm0.12FeO3 ceramics via piezoresponse force microscopy. <b>2015</b> , 118, 072004	21
945	The effect of sintering temperature on the magneto-transport properties of Pr0.67Sr0.33NAgxMnO3 (0 lk lD.1) manganites. <b>2015</b> , 26, 6444-6449	10
944	Piezoresponse and magnetic properties of multiferroic (1월)Bi0.9Dy0.1FeO3ᡚPbTiO3 solid solution. <b>2015</b> , 118, 072005	8
943	Effect of thermal annealing on electric conduction in hydrothermally-grown BiFeO3 thick films. <b>2015</b> , 66, 1627-1630	
942	Specific features of the evolution of magnetic properties of bismuth ferrite modified with rare-earth element cations. <b>2015</b> , 57, 1787-1792	8
941	The origin of enhanced optical absorption of the BiFeO3/ZnO heterojunction in the visible and terahertz regions. <b>2015</b> , 17, 26930-6	13
940	Giant magnetoelectric coupling interaction in BaTiO3/BiFeO3/BaTiO3 trilayer multiferroic heterostructures. <b>2015</b> , 107, 082908	35
939	Synthesis, thermal, structural, and magnetic properties of phase-pure nanocrystalline BiFeO3 via wet chemical route. <b>2015</b> , 121, 681-688	13
938	Visible-light driven generation of reactive radicals over BiFeO3/TiO2 nanotube array: experimental evidence and energetic mechanism. <b>2015</b> , 17, 1	8
937	The magnetic augment in the nitrogen substituted bismuth ferrite. 2015,	1
936	High-efficiency and dynamic stable electromagnetic wave attenuation for La doped bismuth ferrite at elevated temperature and gigahertz frequency. <b>2015</b> , 5, 77184-77191	56
935	Multiferroic heterostructures and tunneling junctions. <b>2015</b> , 1, 263-284	26

934	Exchange coupling of a BiFeO3 multiferroic nanolayer with a Co0.9Fe0.1 ferromagnetic nanolayer. <b>2015</b> , 57, 1781-1786	4
933	Integration of BiFeO3 thick films onto ceramic and metal substrates by screen printing. 2015, 35, 4163-4171	13
932	Influence of substrate and Ca substitution on multiferroic BiMnO3 thin films. 2015, 38, 1099-1104	2
931	Nd doping of bismuth ferrite to tune electromagnetic properties and increase microwave absorption by magneticalielectric synergy. <b>2015</b> , 3, 9276-9282	107
930	Heat capacity of nanocrystalline bismuth ferrite. <b>2015</b> , 53, 601-604	1
929	Structural Transition and Enhanced Ferromagnetic Properties of La, Nd, Gd, and Dy-Doped BiFeO3 Ceramics. <b>2015</b> , 44, 4354-4366	8
928	Enhancement of piezoelectric response in Ga doped BiFeO3 epitaxial thin films. 2015, 117, 244107	9
927	Visible-light driven water splitting over BiFeO[photoanodes grown via the LPCVD reaction of [Bi(OtBu)]]and [Fe(OtBu)]]and enhanced with a surface nickel oxygen evolution catalyst. <b>2015</b> , 7, 16343-53	47
926	Bismuth Self-Limiting Growth of Ultrathin BiFeO3Films. <b>2015</b> , 27, 6508-6515	23
925	The effect of FeDHe bond angle on modulating multiferroic properties of BaK-codoped BiFeO3 nanoparticles. <b>2015</b> , 17, 1	13
924	Piezoelectric materials for high temperature transducers and actuators. <b>2015</b> , 26, 9256-9267	68
923	Influence of space charge on domain patterns and susceptibility in a rhombohedral ferroelectric film. <b>2015</b> , 100, 323-332	2
922	Giant elastic tunability in strained BiFeO3 near an electrically induced phase transition. 2015, 6, 8985	35
921	Influence of Uniaxial Pressure on Dielectric Properties and Aging Effect of BiFeO3 Ceramic. <b>2015</b> , 485, 116-123	4
9 <b>2</b> 0	Antisymmetric exchange in La-substituted BiFe0.5Sc0.5O3 system: symmetry adapted distortion modes approach. <b>2015</b> , 230, 767-774	15
919	Preparation and characterization of La0.1Bi0.9FeO3/CoFe2O4 nanocomposite powders. <b>2015</b> , 41, 6079-6083	9
918	Magnetocapacitance and structure properties of Bi0.85⊠La0.15PbxFeO3 ceramics. <b>2015</b> , 41, 4050-4055	6
917	Thickness dependent magnetic and ferroelectric properties of LaNiO3 buffered BiFeO3 thin films. <b>2015</b> , 15, 194-200	29

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916	Effects of nano-sized BiFeO3 addition on the properties of high piezoelectric response (1 ☐ x)Bi0.5Na0.5TiO3☑Bi0.5K0.5TiO3 ceramics. <b>2015</b> , 50, 2093-2102	3
915	First-principles studies of multiferroic and magnetoelectric materials. <b>2015</b> , 60, 156-181	40
914	Investigation of multiferroic properties of doped BiFeO3BaTiO3 composite ceramics. 2015, 142, 42-44	35
913	Influence of multi-ion co-doping and NiFe2O4 layer on the properties of BiFeO3/NiFe2O4 composite films by solgel. <b>2015</b> , 142, 27-29	5
912	Synthesis, structural and spectroscopic properties of acentric triple molybdate Cs2NaBi(MoO4)3. <b>2015</b> , 225, 53-58	44
911	A high surface area ordered mesoporous BiFeO3 semiconductor with efficient water oxidation activity. <b>2015</b> , 3, 1587-1593	73
910	Low temperature ferromagnetic ordering and dielectric properties of Bi1-xDyxFeO3 ceramics. <b>2015</b> , 41, 3227-3236	30
909	Covering vertically aligned carbon nanotubes with a multiferroic compound. <b>2015</b> , 82, 408-416	
908	Finite-Temperature Properties of Rare-Earth-Substituted BiFeO3 Multiferroic Solid Solutions. <b>2015</b> , 25, 552-558	55
907	Magnetic hysteresis of cerium doped bismuth ferrite thin films. <b>2015</b> , 378, 333-339	12
906	Effect of Ho and Mn co-doping on structural, ferroelectric and ferromagnetic properties of BiFeO3 thin films. <b>2015</b> , 584, 103-107	23
905	Synthesis and Thermal, Structural, Dielectric, Magnetic and Magnetoelectric Studies of BiFeO3-MgFe2O4 Nanocomposites. <b>2015</b> , 98, 574-579	15
904	Large magnetoelectric coupling in magnetically short-range ordered BilliBeOlfilm. 2014, 4, 5255	120
903	Enhanced ferromagnetic properties and high temperature dielectric anomalies in Bi0.9Ca0.05Sm0.05FeO3 prepared by hydrothermal method. <b>2015</b> , 62, 5-10	11
902	Enhanced electrical insulation and ferroelectricity in La and Ni co-doped BiFeO3 thin films. <b>2015</b> , 621, 339-344	38
901	Low magnetic field response single-phase multiferroics under high temperature. <b>2015</b> , 2, 232-236	72
900	Investigation of structural and magnetic properties of doped BaFeO3 <b>B</b> aTiO3 multiferroic composites. <b>2015</b> , 26, 98-102	7
899	Photovoltaic properties of ferroelectric solar cells based on polycrystalline BiFeO3 films sputtered on indium tin oxide substrates. <b>2015</b> , 58, 1-6	10

898	Effect of samarium doping on the structural, optical and magnetic properties of solgel processed BiFeO3 thin films. <b>2015</b> , 26, 49-58	28
897	A comparative study on the magnetic and electrical properties of Bi0.89Tb0.11FeO3 and Bi0.89Tb0.11FeO3/CoFe2O4 multiferroic thin films. <b>2015</b> , 623, 243-247	6
896	Epitaxial (001) BiFeO3 thin-films with excellent ferroelectric properties by chemical solution deposition-the role of gelation. <b>2015</b> , 3, 582-595	39
895	First principles study of structural, electronic and magnetic properties of ferromagnetic Bi2Fe4O9. <b>2015</b> , 624, 131-136	25
894	Hollandites as a new class of multiferroics. <b>2014</b> , 4, 6203	26
893	Nanodomains and nanometer-scale disorder in multiferroic bismuth ferrite single crystals. <b>2015</b> , 82, 356-368	21
892	Microstructural evolution of charged defects in the fatigue process of polycrystalline BiFeO3 thin films. <b>2015</b> , 82, 190-197	15
891	A comparative study of dielectric, ferroelectric and magnetic properties of BiFeO3 multiferroic ceramics synthesized by conventional and spark plasma sintering techniques. <b>2015</b> , 35, 131-138	53
890	Preparation and microwave absorption properties of Nito nanoferrites. 2015, 618, 222-226	70
889	Barrier enhancement behavior in an Au/BiFeO3/YBa2Cu3O7-/SrTiO3 heterostructure with the magnetic field effect. <b>2015</b> , 619, 505-508	10
888	Structure and properties of chemically synthesized BiFeO3. Influence of fuel and complexing agent. <b>2015</b> , 41, 69-77	19
887	Effects of Gd on the magnetic, electric and structural properties of BiFeO3 nanstructures synthesized by co-precipitation followed by microwave sintering. <b>2015</b> , 375, 38-42	21
886	Structure-Dependent Mechanical Properties of ALD-Grown Nanocrystalline BiFeO3Multiferroics. <b>2016</b> , 2016, 1-7	5
885	Structural and Magnetic Properties of Mn Doped BiFeO3 Nanomaterials. <b>2016</b> , 2016, 1-5	17
884	Multiferroic Materials: Physics and Properties. 2016,	8
883	Structural, Magnetic and Optical Properties of BiFe1NbxO3. <b>2016</b> , 29, 578-584	7
882	Substitution driven structural and magnetic properties and evidence of spin phonon coupling in Sr-doped BiFeO3 nanoparticles. <b>2016</b> , 6, 68028-68040	21
881	Mullite-hexagonal di-phase multiferroic behavior with enhanced ferromagnetism of (1☑)Bi2Fe4O9☑BaFe12O19 composites. <b>2016</b> , 213, 2741-2750	2

880	Optical nonlinearity in multiferroic bismuth ferrite. <b>2016</b> , 688, 796-802		4
879	First principles investigation of electronic and magnetic structures of centrosymmetric BiMnO3 using an improved approach. <b>2016</b> , 243, 65-70		2
878	Self-Poling of BiFeO3 Thick Films. <b>2016</b> , 8, 19626-34		10
877	Perovskite solid solutions with multiferroic morphotropic phase boundaries and property enhancement. <b>2016</b> , 06, 1630004		1
876	Piezopotential-Induced Schottky Behavior of Zn1\(\mathbb{Z}\)SnO3 Nanowire Arrays and Piezophotocatalytic Applications. <b>2016</b> , 99, 2593-2600		42
875	Optically modulated resistive switching in BiFeO3 thin film. <b>2016</b> , 213, 2183-2188		16
874	Interplay between elasticity, ferroelectricity and magnetism at the domain walls of bismuth ferrite. <b>2016</b> , 10, 209-217		13
873	Crystallization Behavior and Multiferroic Properties of Bi3.15Nd0.85Ti3O12/CoFe2O4 Powders Synthesized by Sol <b>©</b> el Method. <b>2016</b> , 99, 2334-2340		11
872	Multiferroic Heterostructures Integrating Ferroelectric and Magnetic Materials. <i>Advanced Materials</i> , <b>2016</b> , 28, 15-39	1	284
871	Spin Structure Change in Co-Substituted BiFeO3. <b>2016</b> , 85, 064704		18
870	Molecular Design for Tailoring a Single-Source Precursor for Bismuth Ferrite. <b>2016</b> , 55, 7542-9		6
869	Implementing Room-Temperature Multiferroism by Exploiting Hexagonal-Orthorhombic  Morphotropic Phase Coexistence in LuFeO3 Thin Films. <i>Advanced Materials</i> , <b>2016</b> , 28, 7430-5	1	27
868	Structure and multiferroic properties of multi-doped Bi1\( \textbf{B}\)ErxFe0.96Mn0.02Co0.02O3 thin films. <b>2016</b> , 684, 438-444		16
867	Fabrication of high-density BiFeO nanodot and anti-nanodot arrays by anodic alumina template-assisted ion beam etching. <b>2016</b> , 27, 485302		14
866	Shift current bulk photovoltaic effect in polar materialsBybrid and oxide perovskites and beyond. <b>2016</b> , 2,		142
865	Strain phase separation: Formation of ferroelastic domain structures. <b>2016</b> , 94,		23
864	Structure evolution and piezoelectric properties across the morphotropic phase boundary of Sm-substituted BiFeO3 ceramics. <b>2016</b> , 119, 064104		35
863	Sintering time effect on crystal structure and magnetic properties of Bi0.8La0.2FeO3 multiferroics. <b>2016</b> ,		О

862	Landau-Ginzburg description of anomalous properties of novel room temperature multiferroics Pb(Fe1/2Ta1/2)x(Zr0.53Ti0.47)1-xO3 and Pb(Fe1/2Nb1/2)x(Zr0.53Ti0.47)1№O3. <b>2016</b> , 119, 024102	9
861	The appearance of weak ferromagnetism of hexagonal stabilized ErFeO3 thin film. 2016,	1
860	Magnetization switching in the BiFe0.9Mn0.1O3 thin films modulated by resistive switching process. <b>2016</b> , 109, 112903	15
859	Fabrication and characterization of nanostructured Ba-doped BiFeO3 porous ceramics. <b>2016</b> , 34, 148-156	3
858	Strain-controlled interfacial magnetization and orbital splitting in La2/3Sr1/3MnO3/tetragonal BiFeO3 heterostructures. <b>2016</b> , 120, 165303	11
857	Structural, dielectric and ferroelectric properties of La and Ni codoped BiFeO3. <b>2016</b> ,	2
856	Band-gap tuning and magnetic properties of heterovalent ions (Ba, Sr and Ca) substituted BiFeO3 nanoparticles. <b>2016</b> ,	3
855	Resistive memory effects in BiFeO3 single crystals controlled by transverse electric fields. <b>2016</b> , 108, 162903	5
854	Role of (Bi1/2K1/2)TiO3 in the dielectric relaxations of BiFeO3-(Bi1/2K1/2)TiO3 ceramics. <b>2016</b> , 119, 154101	22
853	Flexo-chemo effect in nanoferroics as a source of critical size disappearance at size-induced phase transitions. <b>2016</b> , 119, 094109	21
852	Studies on structural, optical, magnetic, and resistive switching properties of doped BiFe1-xCrxO3 thin films. <b>2016</b> , 120, 194101	5
851	Visible Light Driven Photocatalytic Efficiency of rGO-Ag-BiFeO3 Ternary Nanohybrids on the Decontamination of Dye-Polluted Water: An Amalgamation of 1D, 2D and 3D Systems. <b>2016</b> , 1, 6961-6971	5
850	Structural transition and its effect in La, Zr co-substituted mono-domain BiFeO3. <b>2016</b> , 120, 214106	15
849	Synthesis, structure and properties of nanostructured materials based on BiFeO3. <b>2016</b> ,	2
848	Perpendicular Magnetic Anisotropy and High Spin Polarization in Tetragonal Fe4N/BiFeO3 Heterostructures. <b>2016</b> , 6,	26
847	Preparation and enhanced ferromagnetic properties in Co doped BiFeO3 nanoparticles prepared by solgel method. <b>2016</b> , 505, 123-129	5
846	Size dependent magnetic and electrical properties of Ba-doped nanocrystalline BiFeO3. <b>2016</b> , 6, 035314	34
845	Collapse and reappearance of magnetic orderings in spin frustrated TbMnO3 induced by Fe substitution. <b>2016</b> , 109, 102401	3

# (2016-2016)

844	Coherent x-ray diffraction imaging of photo-induced structural changes in BiFeO3nanocrystals. <b>2016</b> , 18, 093003	9
843	Ultrafast acousto-optic mode conversion in optically birefringent ferroelectrics. <b>2016</b> , 7, 12345	32
842	A multiferroic on the brink: Uncovering the nuances of strain-induced transitions in BiFeO3. <b>2016</b> , 3, 011106	80
841	Structural, magnetic and electrical properties of samarium substituted multiferroic bismuth ferrite. <b>2016</b> ,	
840	Optical spectroscopy study on the photo-response in multiferroic BiFeO3. <b>2016</b> , 109, 182903	8
839	Ferroelectric BiFeO3 thin-film optical modulators. <b>2016</b> , 108, 233502	7
838	Magnetic fingerprint of interfacial coupling between CoFe and nanoscale ferroelectric domain walls. <b>2016</b> , 109, 082906	1
837	Dual strain mechanisms in a lead-free morphotropic phase boundary ferroelectric. <b>2016</b> , 6, 19630	49
836	Synthesis of BiFeO3 thin films on single-terminated Nb : SrTiO3 (111) substrates by intermittent microwave assisted hydrothermal method. <b>2016</b> , 6, 065117	5
835	Effect of sintering temperature on structural and dielectric properties of (Bi2O3Fe2O3)0.4(Nb2O5Nd2O3)0.6. <b>2016</b> ,	
834	Phase transitions, domain structure, and pseudosymmetry in La- and Ti-doped BiFeO3. <b>2016</b> , 119, 054101	20
833	Photoconductivity of transparent perovskite semiconductor BaSnO3 and SrTiO3 epitaxial thin films. <b>2016</b> , 108, 092106	18
832	Effect of (Sr0.7Ca0.3)TiO3-substitution on structure, dielectric, ferroelectric, and magnetic properties of BiFeO3 ceramics. <b>2016</b> , 119, 204102	17
831	Magnetic properties of the multiferroics Bi1\(\mathbb{Q}\)CaxFe1\(\mathbb{M}\)MnxO3 and Bi1\(\mathbb{Q}\)CaxFe1\(\mathbb{Q}\)TixO3. <b>2016</b> , 42, 1122-1125	1
830	Bi deficiency-tuned functionality in multiferroic Bi1-Ee0.95Mn0.05O3 films. <b>2016</b> , 6, 19385	9
829	Controllable Synthesis of Bi2Fe4O9Nanocrystal with High Active Facets and the Enhanced Visible Light Photoelectrochemical Property. <b>2016</b> , 67, 06045	1
828	Dielectric relaxation in magnetoelectric composite 0.85BiFeO3D.15MgFe2O4. <b>2016</b> , 80, 1092-1096	1
827	Effect of synthesis conditions on the photocatalytic property of multiferroic BiFeO3 towards the degradation of phenol red. <b>2016</b> ,	2

826	Grain size effect on electrical properties of Mn-modified 0.67BiFeO3D.33BaTiO3 lead-free piezoelectric ceramics. <b>2016</b> , 42, 8206-8211	23
825	Chemical route derived bismuth ferrite thin films and nanomaterials. <b>2016</b> , 4, 4092-4124	99
824	Phase transition, dielectric relaxation and piezoelectric properties of bismuth doped La2Ti2O7 ceramics. <b>2016</b> , 42, 11453-11458	12
823	A systematic study on multiferroics Bi1\( \text{LexFe1}\( \text{MnyO3} \): Structural, magnetic and electrical properties. <b>2016</b> , 42, 10373-10379	16
822	Domain switching contribution to the ferroelectric, fatigue and piezoelectric properties of lead-free Bi0.5(Na0.85K0.15)0.5TiO3 films. <b>2016</b> , 6, 33834-33842	24
821	Effect of GdIIi co-substitution on structural, magnetic and electrical properties of multiferroic BiFeO3. <b>2016</b> , 418, 54-61	25
820	Pd cocatalyst on Sm-doped BiFeO3 nanoparticles: synergetic effect of a Pd cocatalyst and samarium doping on photocatalysis. <b>2016</b> , 6, 34574-34587	30
819	Defect dipole-induced poling characteristics and ferroelectricity of quenched bismuth ferrite-based ceramics. <b>2016</b> , 4, 6140-6151	55
818	Robust insulating La and Ti co-doped BiFeO3 multiferroic ceramics. <b>2016</b> , 27, 8725-8733	9
817	Multiferroic properties of Bi1 $\blacksquare$ AxFeO3 polycrystalline films on glass substrates (A = Ca, Sr, Ba and x=0.05 $\blacksquare$ .15). <b>2016</b> , 683, 427-432	12
816	Tailoring the multiferroic behavior in BiFeO3 nanostructures by Pb doping. <b>2016</b> , 6, 57727-57738	38
815	Bioinformatics Research and Applications. 2016,	1
814	Effect of Fe Bubstitution on phase transformation, optical, electrical and dielectrical properties of BaTiO3 nanoceramics synthesized by sol-gel auto combustion method. <b>2016</b> , 37, 110-120	17
813	Tailoring the magnetic and optical characteristics of BiFeO3 ceramics by doping with La and Co. <b>2016</b> , 179, 186-189	4
812	Magnetically recyclable Bi/Fe-based hierarchical nanostructures via self-assembly for environmental decontamination. <b>2016</b> , 8, 12736-46	19
811	One-dimensional BiFeO3 nanotubes: Preparation, characterization, improved magnetic behaviors, and prospects. <b>2016</b> , 384, 368-375	19
810	New modalities of strain-control of ferroelectric thin films. <b>2016</b> , 28, 263001	61
809	Effect of heat treatment on the structure and properties of a BiFeO3 nanopowder. <b>2016</b> , 58, 959-966	6

## (2016-2016)

808	ferrite. <b>2016</b> , 684, 55-61	18
807	Crystal structure, leakage conduction mechanism evolution and enhanced multiferroic properties in Y-doped BiFeO3 ceramics. <b>2016</b> , 42, 13395-13403	36
806	Phase transition, leakage conduction mechanism evolution and enhanced ferroelectric properties in multiferroic Mn-doped BiFeO3 thin films. <b>2016</b> , 27, 3095-3102	19
805	The Multiferroic Properties of Bi x FeO3 and Bi1 Li y FeO3. <b>2016</b> , 29, 1821-1825	1
804	Synthesis of Dense Fine-Grained Ceramics by Sol©el Technique of RE-substituted Bi1☑ A x FeO3 Nanopowders (A = La3+, Y3+, Dy3+, Ce3+): Structural, Electrical, and Magnetic Characterization. <b>2016</b> , 47, 1720-1728	2
803	Influence of isovalent and heterovalent substitution for Bi3+ and Fe3+ on the properties of Bi2Fe4O9-based solid solutions. <b>2016</b> , 52, 361-366	
802	Photoinduced magnetoresistance and magnetic-field-modulated photoelectric response in BiFeO3/Si heterojunctions. <b>2016</b> , 122, 1	1
801	Structural and electrical characteristics of (Co, Ti) modified BiFeO3. <b>2016</b> , 27, 7115-7123	23
800	Screen-printed BiFeO3 thick films on noble metal foils. <b>2016</b> , 496, 196-203	1
799	Structural, optical and magnetic properties of multiferroic (1🛭)BiFeO3xPbTiO3 nanoparticles. <b>2016</b> , 683, 133-138	9
798	Current-voltage hysteresis of the composite MoS2-MoOB nanobelts for data storage. <b>2016</b> , 679, 47-53	17
797	Structural and electrical properties of multiferroic (1日)BiFeO3日Bi0.5K0.5TiO3 ceramics. <b>2016</b> , 678, 228-233	11
796	Improper Ferroelectric Contributions in the Double Perovskite Pb2Mn0.6Co0.4WO6 System with a Collinear Magnetic Structure. <b>2016</b> , 55, 4381-90	5
795	Quenched bismuth ferrite-barium titanate lead-free piezoelectric ceramics. <b>2016</b> , 676, 505-512	38
794	Electronic structure and lattice dynamics of rhombohedral BiAlO3 from first-principles. <b>2016</b> , 177, 405-412	14
793	Dielectric properties of ⊞-Fe1.6Ga0.4O3 oxide: A promising magneto-electric material. <b>2016</b> , 680, 31-42	23
792	Magnetic and ferroelectric characteristics of Gd3+ and Ti4+ co-doped BiFeO 3 ceramics. <b>2016</b> , 39, 593-601	36
791	Refractive index dispersion of swift heavy ion irradiated BFO thin films using Surface Plasmon Resonance technique. <b>2016</b> , 379, 126-130	5

790	Influence of lightly Sm-substitution on crystal structure, magnetic and dielectric properties of BiFeO3 ceramics. <b>2016</b> , 682, 672-678	18
789	Air-stable and highly luminescent bismuth complex nanoparticles. <b>2016</b> , 4, 4899-4904	4
788	Fabrication and characterization of flexible films of poly(vinylidene fluoride)/Pb(Fe0.5Ti0.5)O3E multi-ferroic nano-composite. <b>2016</b> , 6, 42892-42898	5
787	Substitution driven structural and magnetic transformation in Ca-doped BiFeO3 nanoparticles. <b>2016</b> , 6, 43080-43090	46
786	Investigation of dielectric and optical properties of structurally modified bismuth ferrite nanomaterials. <b>2016</b> , 42, 11447-11452	9
785	Microwave sintered Bi 0.90 La 0.10 Fe 0.95 Mn 0.05 O 3 nanocrystalline ceramics: Impedance and modulus spectroscopy. <b>2016</b> , 42, 12914-12921	13
784	Multiferroic iron doped BaTiO3 nanoceramics synthesized by sol-gel auto combustion: Influence of iron on physical properties. <b>2016</b> , 42, 12441-12451	58
783	Nanocomposites of Bi5FeTi3O15 with MoS2 as novel Pt-free counter electrode in dye-sensitized solar cells. <b>2016</b> , 42, 12888-12893	26
782	Microstructural and electrical characteristics of epitaxial BiFeO3 thick films sputtered at different Ar/O2 flow ratios. <b>2016</b> , 18, 4604-4612	7
781	Optical Writing of Magnetic Properties by Remanent Photostriction. <b>2016</b> , 117, 107403	37
780	Enhancement in visible light photocatalytic activity of BiFeO3 photocatalysts by Pd cocatalyst. <b>2016</b> , 122, 1	9
779	Nanostructures and Thin Films Deposited with Sputtering. <b>2016</b> , 59-79	
778	Investigating the effect of Cd-Mn co-doped nano-sized BiFeO 3 on its physical properties. <b>2016</b> , 6, 675-682	10
777	Investigation on the effect of Ti doping on dielectric, impedance and magnetic properties of Ba2+-substituted BiFeO3 ceramics. <b>2016</b> , 27, 12539-12549	2
776	YCrO3/Al2O3 Core-Shell Design: The Effect of the Nanometric Al2O3-Shell on Dielectric Properties. <b>2016</b> , 99, 3382-3388	2
775	Room temperature magnetoelectric multiferroic behavior of 50 mol% Fe substituted PbTiO3 (PbTi0.5Fe0.5O3) Inanoparticles. <b>2016</b> , 6, 90132-90137	4
774	Well-saturated ferroelectric polarization in PbTiO3BmFeO3 thin films. 2016, 3, 1473-1479	7
773	Phase transition, interband electronic transitions and enhanced ferroelectric properties in Mn and Sm co-doped bismuth ferrite films. <b>2016</b> , 6, 96563-96572	20

## (2020-2016)

772	Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and nanostructures. <b>2016</b> , 84, 335-402	348
771	Effects of high magnetic field annealing on microstructure and multiferroic properties of Bi1\( \text{Bi1}\text{LaxFeO3}\) ceramics. <b>2016</b> , 42, 18785-18790	1
770	Density relative change and interface zone mutual diffusion of BiFeO3 films prepared on Si (1 0 0), SiO2 and SiO2/Si (1 0 0). <b>2016</b> , 384, 106-112	2
769	Special quasirandom structures for perovskite solid solutions. <b>2016</b> , 28, 475901	10
768	The effect of substrate clamping on the paraelectric to antiferroelectric phase transition in Nd-doped BiFeO3 thin films. <b>2016</b> , 616, 767-772	5
767	Effects of Eu and Ca Co-Substitution for the Improvement of Multiferroic Properties of BiFeO3. <b>2016</b> , 697, 288-292	
766	Strain-induced electrostatic enhancements of BiFeO3 nanowire loops. <b>2016</b> , 18, 22772-7	6
765	Structural, transport and magnetic properties of $(1-x)$ BiFeO3-xCo0.7Ni0.3Fe2O4 nanocomposite samples $(x = 0.0, 0.2, 0.5, 0.8, 1.0)$ . <b>2020</b> , 3, 609-620	6
764	Magnetic field effect on the dielectric properties of rare earth doped multiferroic BiFeO3. <b>2020</b> , 513, 167101	2
763	Stable electric polarization switching accompanied by magnetization reversal in B-site-substituted multiferroic BiFe0.9Co0.1O3 thin films. <b>2020</b> , 13, 071001	1
762	Tuning the Structural and the Magnetic Properties of BiFeO3 Magnetic Nanoparticles. 2020, 257, 2000005	1
761	Effect of particle size and morphology on the performance of BiFeO3PDMS piezoelectric generators. <b>2020</b> , 22, 2919-2925	4
760	Electrical Manipulation of Magnetic Anisotropy in a Fe81Ga19/Pb(Mg1/3Nb2/3)O3-Pb(ZrxTi1🛭)O3 Magnetoelectric Multiferroic Composite. <b>2020</b> , 13,	8
759	Room temperature magnetoelectric coupling in Fe-doped sodium bismuth titanate ceramics. <b>2020</b> , 830, 154679	5
758	Effect of rare-earth Nd/Sm doping on the structural and multiferroic properties of BiFeO3 ceramics prepared by spark plasma sintering. <b>2020</b> , 46, 15228-15235	11
757	A Review of Thin-Film Magnetoelastic Materials for Magnetoelectric Applications. <b>2020</b> , 20,	35
756	Large energy storage density in BiFeO3-BaTiO3-AgNbO3 lead-free relaxor ceramics. <b>2020</b> , 40, 2929-2935	53
755	Phonon and magnetoelastic coupling in AlGaFeO: Raman, magnetization and neutron diffraction studies. <b>2020</b> , 22, 6906-6918	3

754	Two-dimensional ligand-functionalized plumbene: A promising candidate for ferroelectric and topological order with a large bulk band gap. <b>2020</b> , 120, 114095	4
753	Enhanced Electromechanical Properties of 0.65Bi1.05FeO3D.35BaTiO3 Ceramics through Optimizing Sintering Conditions. <b>2020</b> , 217, 1900970	6
75 <sup>2</sup>	Interplay of negative electronic compressibility and capacitance enhancement in lightly-doped metal oxide BiLaFeO by quantum capacitance model. <b>2020</b> , 10, 5153	5
751	Tailoring the photovoltaic effect in (1 1 1) oriented BiFeO/LaFeO superlattices. <b>2020</b> , 32, 135301	
750	Study of structural, optical and enhanced multiferroic properties of Ni doped BFO thin films synthesized by sol-gel method. <b>2020</b> , 831, 154857	16
749	Polyguanamine Derivative-Based Supramolecular Assemblies with Multiple Hydrogen Bonding and Their Metal-Scavenging Abilities. <b>2020</b> , 36, 3770-3781	3
748	1D metal-oxalates H2DABCO[M(C2O4)2][BH2O (M(II): Co, Mg, Zn): phase transitions and magnetic, dielectric, and phonon properties. <b>2020</b> , 8, 6254-6263	4
747	Enhanced piezoelectric properties of (1 -x)BiFe(ZnHf)O-xBaTiO ceramics near the morphotropic phase boundary. <b>2020</b> , 49, 5573-5580	4
746	Room temperature ferromagnetism driven by Ca-doped BiFeO3 multiferroic functional material. <b>2020</b> , 31, 5599-5607	1
745	A first-principles study on the magnetoelectric coupling induced by Fe in a two-dimensional BaTiO(001) ultrathin film. <b>2020</b> , 22, 18284-18293	2
744	Specific Heat and the Dielectric Properties of Bi0.8Ho0.2FeO3 Multiferroic. <b>2020</b> , 62, 1039-1042	
743	Significantly suppressed leakage current and reduced band gap of BiFeO3 through Ballr Co-Substitution: Structural, optical, electrical and magnetic study. <b>2020</b> , 254, 123362	7
742	Integration-Friendly, Chemically Stoichiometric BiFeO Films with a Piezoelectric Performance Challenging that of PZT. <b>2020</b> , 12, 33899-33907	14
741	Effect of calcination temperature on magnetic, structural, thermal and optical properties of BFO-T nanoparticles. <b>2020</b> , 2, 1	1
740	Mild hydrothermal synthesis of BiFeO3 films on BiFeO3 seed-layer-coated indium tin oxide substrates and their piezo-related applications. <b>2020</b> , 31, 13376-13381	
739	Photoferroelectric Thin Films for Flexible Systems by a Three-in-One Solution-Based Approach. <b>2020</b> , 30, 2001897	10
738	Hexagonal rare-earth manganites and ferrites: a review of improper ferroelectricity, magnetoelectric coupling, and unusual domain walls. <b>2020</b> , 22, 14415-14432	15
737	Enhanced dielectric and magnetic properties in Mn-doped bismuth ferrite multiferroic nanoceramics. <b>2020</b> , 126, 1	4

## (2020-2020)

736	Development of BiFeO3/MnFe2O4 ferrite nanocomposites with enhanced magnetic and electrical properties. <b>2020</b> , 2, 2968-2976	8
735	Structural investigation of ferroelectric BiFeO3BaTiO3 solid solutions near the rhombohedralpseudocubic phase boundary. <b>2020</b> , 116, 252902	2
734	B-site-doped BiFeO3-based piezoceramics with enhanced ferro/piezoelectric properties and good temperature stability. <b>2020</b> , 103, 6245-6254	14
733	Super-hydrophobic Fe3O4@SiO2@MPS nanoparticles for oil remediation: The influence of pH and concentration on clustering phenomenon and oil sorption. <b>2020</b> , 315, 113709	5
732	Overview of Phase-Change Materials Based Photonic Devices. <b>2020</b> , 8, 121211-121245	12
731	Defect dynamics mediated unusual field-cycling behavior in bismuth ferrite-based ceramics. <b>2020</b> , 187, 418-423	6
730	Impact of texturing on the phase transitions in solgel-processed Bi(Sm)FeO3 thin films on LaNiO3-buffered silicon. <b>2020</b> , 103, 6554-6564	3
729	Effect of Mn-doping on the low temperature magnetic phase transitions of BiFeO3. <b>2020</b> , 825, 154148	6
728	Quenching Assisted Reverse Micellar Synthesis and Electrical Properties of High Surface Area BiFeOINanoparticles. <b>2020</b> , 20, 3823-3831	6
727	Laser Fragmentation Synthesis of Colloidal Bismuth Ferrite Particles. <b>2020</b> , 10,	20
727 726	Laser Fragmentation Synthesis of Colloidal Bismuth Ferrite Particles. <b>2020</b> , 10,  Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. <b>2020</b> , 126, 1	20
	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally	
726	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. <b>2020</b> , 126, 1  Effects of Bi2O3B2O3InO glass additive on structure, ferroelectric and dielectric properties of	8
726 725	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. 2020, 126, 1  Effects of Bi2O3B2O3InO glass additive on structure, ferroelectric and dielectric properties of BiFeO3 ceramics. 2020, 555, 173-182  Study on Ca Segregation toward an Epitaxial Interface between Bismuth Ferrite and Strontium	8
726 725 724	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. 2020, 126, 1  Effects of Bi2O3B2O3InO glass additive on structure, ferroelectric and dielectric properties of BiFeO3 ceramics. 2020, 555, 173-182  Study on Ca Segregation toward an Epitaxial Interface between Bismuth Ferrite and Strontium Titanate. 2020, 12, 12264-12274	8 1 3
726 725 724 723	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. 2020, 126, 1  Effects of Bi2O3B2O3InO glass additive on structure, ferroelectric and dielectric properties of BiFeO3 ceramics. 2020, 555, 173-182  Study on Ca Segregation toward an Epitaxial Interface between Bismuth Ferrite and Strontium Titanate. 2020, 12, 12264-12274  Field-induced magnetic incommensurability in multiferroic Ni3TeO6. 2020, 101,  Probing charge carrier transport regimes in BiFeO3 nanoparticles by Raman spectroscopy. 2020,	8 1 3
726 725 724 723 722	Effects of milling time on structural, electrical and ferroelectric features of mechanothermally synthesized multi-doped bismuth ferrite. 2020, 126, 1  Effects of Bi2O3B2O3InO glass additive on structure, ferroelectric and dielectric properties of BiFeO3 ceramics. 2020, 555, 173-182  Study on Ca Segregation toward an Epitaxial Interface between Bismuth Ferrite and Strontium Titanate. 2020, 12, 12264-12274  Field-induced magnetic incommensurability in multiferroic Ni3TeO6. 2020, 101,  Probing charge carrier transport regimes in BiFeO3 nanoparticles by Raman spectroscopy. 2020, 181, 6-9	8 1 3 7 2

718	Band gap tuning and optical properties of BiFeO3 nanoparticles. <b>2020</b> , 28, 168-171	4
717	Lead palladium titanate: A room temperature nanoscale multiferroic thin film. <b>2020</b> , 10, 2991	8
716	Electrical and thermal properties of Pr0.6Sr0.4\(\text{QAgxMnO3}\) (x = 0.05 and 0.1) manganite. <b>2020</b> , 55, 6761-6770	5
715	Phase evolution, magnetic study and evidence of spin-two phonon coupling in Ca modified Bi0.80La0.20FeO3 ceramics. <b>2020</b> , 827, 154223	5
714	Enhanced multiferroicity in Mn- and Cu-modified 0.7BiFeO3 ©.3(Ba0.85Ca0.15)TiO3 ceramics. <b>2020</b> , 127, 064102	
713	Improved ferroelectric response of pulsed laser deposited BiFeO3-PbTiO3 thin films around morphotropic phase boundary with interfacial PbTiO3 buffer layer. <b>2020</b> , 127, 064101	8
712	Structural, Optical, and Multiferroic Properties of Yttrium (Y3+)-Substituted BiFeO3 Nanostructures. <b>2020</b> , 33, 2017-2029	4
711	Bendable Bi(Fe0.95Mn0.05)O3 ferroelectric film directly on aluminum substrate. <b>2020</b> , 827, 154381	2
710	Structural and multiferroic properties of BiFeO3/MgLa0.025Fe1.975O4 nanocomposite synthesized by solgel auto combustion route. <b>2020</b> , 31, 2777-2788	4
709	Enhanced ferromagnetic and electric properties of multiferroic BiFeO3 by doping with Ca. <b>2020</b> , 824, 153944	18
708	Flexible lead-free BFO-based dielectric capacitor with large energy density, superior thermal stability, and reliable bending endurance. <b>2020</b> , 6, 200-208	22
707	Influence of isothermal structural transition on the magnetic properties of Cr doped Bi0.86Nd0.14FeO3 multiferroics. <b>2020</b> , 823, 153887	4
706	Influence of Ba and Mo co-doping on the structural, electrical, magnetic and optical properties of BiFeO3 ceramics. <b>2020</b> , 7, 016312	8
705	Dielectric and Frequency Dependent Transport Properties of Gadolinium Doped Bismuth Ferrite. <b>2020</b> , 21, 217-226	6
704	The versatile biomedical applications of bismuth-based nanoparticles and composites: therapeutic, diagnostic, biosensing, and regenerative properties. <b>2020</b> , 49, 1253-1321	133
703	Structure, ferroelectric and magnetic characteristics of SmFeO3 and BaTiO3 co-modified BiFeO3 ceramics. <b>2020</b> , 31, 3479-3491	4
702	Investigation of the Structural, Magnetic, Dielectric, and Optical Properties of Mn and Co-Doped BiFeO3 (Bi1\( \text{BC}\)OxFe0.8Mn0.2O3) Nanoparticles. <b>2020</b> , 56, 1-9	О
701	Universality and origin of ultrashort intrinsic negative dielectric permittivity. <b>2020</b> , 101,	3

## (2020-2020)

700	Investigation of room temperature multiferroic properties in sol-gel derived gadolinium, cobalt doped BiFeO3 nanoceramics. <b>2020</b> , 127, 054101	7
699	Enhanced magnetoelectric coefficient and interfacial compatibility by constructing a three-phase CFO@BT@PDA/P(VDF-TrFE) core-shell nanocomposite. <b>2020</b> , 131, 105805	25
698	Structural, morphological, magnetic and spectral studies of Bi3+ substituted YFeO3 Nano-powders: Obtained by sol-gel synthesis. <b>2020</b> , 44, 195-202	2
697	Observation of relaxor-ferroelectric behavior in gallium ferrite thin films. <b>2020</b> , 523, 146459	3
696	Applications of Phase Change Materials in Electrical Regime From Conventional Storage Memory to Novel Neuromorphic Computing. <b>2020</b> , 8, 76471-76499	5
695	Tailoring effect of large polaron hopping in the conduction mechanism of Ca-modified BaTiO3 system. <b>2020</b> , 31, 9212-9223	3
694	Interfacial Strain Gradients Control Nanoscale Domain Morphology in Epitaxial BiFeO3 Multiferroic Films. <b>2020</b> , 30, 2000343	11
693	Structure, Performance, and Application of BiFeO Nanomaterials. <b>2020</b> , 12, 81	41
692	Surface magnetic interactions between Bi0.85La0.15FeO3 and BaFe12O19 nanomaterials in (1-x)Bi0.85La0.15FeO3-(x)BaFe12O19 nanocomposites. <b>2020</b> , 508, 166862	5
691	Tailoring the morphology and size of perovskite BiFeO3 nanostructures for enhanced magnetic and electrical properties. <b>2020</b> , 192, 108694	21
690	Study of the magnetic, electrical and magneto-dielectric properties and dielectric relaxation in 0.8BiFeO3-0.2Ba0[BSr0[2TiO3 solid solution. <b>2020</b> , 103, 106193	3
689	Observation of Stabilized Monoclinic Phase as a <b>B</b> ridgelat the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO3 and Rhombohedral BiFeO3. <b>2020</b> , 32, 3615-3620	3
688	Antiferromagnetic textures in BiFeO controlled by strain and electric field. 2020, 11, 1704	20
687	Impact of defects on the electrical properties of BiFeO3 thin films. <b>2020</b> , 556, 70-78	
686	Ultrafast light-driven simultaneous excitation of coherent terahertz magnons and phonons in multiferroic BiFeO3. <b>2020</b> , 101,	3
685	Strong Magnetoelectric Effects of 2½ Composites Made of AlN Films Grown by Plasma-Enhanced Atomic Layer Deposition on Magnetostrictive Foils for Energy Harvesting Applications. <b>2020</b> ,	1
684	Enhanced UV-Vis Photodegradation of Nanocomposite Reduced Graphene Oxide/Ferrite Nanofiber Films Prepared by Laser-Assisted Evaporation. <b>2020</b> , 10, 271	1
683	Piezoelectric BiFeO Thin Films: Optimization of MOCVD Process on Si. <b>2020</b> , 10,	2

682	Unraveling optimized parameters for phase pure rhombohedral perovskite bismuth ferrite without leaching. <b>2020</b> , 126, 1	4
681	Ferrites: emerging light absorbers for solar water splitting. <b>2020</b> , 8, 9447-9482	26
680	A structural phase boundary due to oxygen octahedral tiltŪntilt transition in Bi0.5Na0.5TiO3-based piezoelectric ceramics. <b>2020</b> , 127, 164101	3
679	Peculiarities of the Crystal Structure Evolution of BiFeO-BaTiO Ceramics across Structural Phase Transitions. <b>2020</b> , 10,	26
678	Structural modification and evaluation of dielectric and ferromagnetic properties of Ce-modified BiFeO3 <b>B</b> aTiO3 ceramics. <b>2020</b> , 46, 15840-15850	6
677	A review of the structure, magnetic and electrical properties of bismuth ferrite (Bi2Fe4O9). <b>2020</b> , 46, 18453-18463	11
676	Room temperature magnetic biasing in Bi0.85La0.15FeO3 and BaTiO3 composite. <b>2020</b> , 126, 1	1
675	Defect engineered enhancement of ferromagnetic properties in samarium doped Bi4Ti3O12 II BiFeO3 ceramics. <b>2020</b> , 556, 62-69	2
674	A green method to prepare magnetically recyclable Bi/Bi25FeO40-C nanocomposites for photocatalytic hydrogen generation. <b>2020</b> , 521, 146342	6
673	Magnetic and electric properties of single crystal MnI. <b>2020</b> , 32, 335803	1
672	Enhanced electrical conductivity and multiferroic property of cobalt-doped bismuth ferrite nanoparticles. <b>2020</b> , 31, 8727-8736	6
671	Electric field dependence of ferroelectric stability in BiFeO3 thin films co-doped with Er and Mn. <b>2020</b> , 46, 18690-18697	7
670	Self-assembled line network in BiFeO3 thin films. <b>2020</b> , 509, 166898	0
669	Optical properties, energy band gap and the charge carriersleffective masses of the R3c BiFeO3 magnetoelectric compound. <b>2020</b> , 144, 109484	7
668	Influence of B-site doping on structural, optical and dielectric properties of bismuth ferrite. <b>2020</b> , 33, 1293-1297	
667	Exchange bias effect in bulk multiferroic BiFe0.5Sc0.5O3. <b>2020</b> , 10, 045102	4
666	Structural characterization, dielectric, magnetic and optical properties of double perovskite Bi2FeMnO6 ceramics. <b>2020</b> , 508, 166891	5
665	Origin of Ferroelectricity and Multiferroicity in Binary Oxide Thin Films. <b>2021</b> , 68, 273-278	2

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664	Compositional Tuning of the Aurivillius Phase Material BiTiFeNbO (0 ß 🛈 .4) Grown by Chemical Solution Deposition and its Influence on the Structural, Magnetic, and Optical Properties of the Material. <b>2021</b> , 68, 303-313	2
663	Ferromagnetic and ferroelectric two-dimensional materials for memory application. <b>2021</b> , 14, 1802-1813	9
662	Synthesis and characterization of samarium substituted bismuth ferrites nanoparticles. <b>2021</b> , 34, 813-816	O
661	Optical properties of BiFe0.95Mn0.05O3 nanoparticles & BiFe0.95Mn0.05O3@SiO2 nanocomposite. <b>2021</b> , 35, 170-174	
660	Synthesizing Bi1-xCoxFe1-yZnyO3 Nanoparticles and Investigating Their Structural, Optical and Photocatalytic Properties. <b>2021</b> , 34, 469-478	
659	First principle study of band gap nature, spontaneous polarization, hyperfine field and electric field gradient of desirable multiferroic bismuth ferrite (BiFeO3). <b>2021</b> , 148, 109737	7
658	Structural, Raman analysis and exchange bias effects in Mn doped multiferroic Bi0.80La0.10Ca0.10Fe1-xMnxO3 ceramics. <b>2021</b> , 47, 6834-6841	3
657	Structural and magnetic behavior of CTAB assisted BiFeO3 by self-combustion route. <b>2021</b> , 43, 2725-2729	
656	Lead-Free Piezoelectric Ceramics. 2021, 358-368	0
655	Structural, dielectric, ferroelectric and optical properties of Er doped BiFeO3 nanoparticles. <b>2021</b> , 853, 156979	8
654	Optoelectronic and thermoelectric properties of double perovskite Rb2PtX6 (X = Cl, Br) for energy harvesting: First-principles investigations. <b>2021</b> , 148, 109665	17
653	Magnetodielectric coupling tuning through domain wall charge accumulation in co-doped BiFeO3 with Sr2+ and Mn3+. <b>2021</b> , 857, 157549	3
652	Sintering time dependent structural and magnetic phase transformations in Pr doped BiFeO3 multiferroics. <b>2021</b> , 519, 167412	5
651	Synergistic effect of N-rGO supported Gd doped bismuth ferrite heterojunction on enhanced photocatalytic degradation of rhodamine B. <b>2021</b> , 123, 105538	9
650	Identification and comparison of peculiarities in physical properties of multiferroic morphotrophic phase boundary sintered BiFeO3-xPbTiO3 nano-ceramics. <b>2021</b> , 150, 109868	0
649	The influence of Nd substitution on microstructural, magnetic, and microwave absorption properties of BiFeO3 nanopowders. <b>2021</b> , 859, 157757	11
648	Structural, ferroelectric, and optical properties of Bi3+ doped YFeO3: A first-principles study. <b>2021</b> , 121, e26551	1
647	Correlative chemical and structural nanocharacterization of a pseudo-binary 0.75Bi(Fe0.97Ti0.03)O3-0.25BaTiO3 ceramic. <b>2021</b> , 104, 2388-2397	1

646	Ferrimagnetic and relaxor ferroelectric properties of R2MnMn(MnTi3)O12 perovskites with R = Nd, Eu, and Gd. <b>2021</b> , 9, 947-956	3
645	Evolution of spatial spin-modulated structure with La doping in Bi1-yLayFeO3 multiferroics. <b>2021</b> , 517, 167341	2
644	Prediction of Strong Converse Magnetoelectric Effect in Nb-Doped BaTiO3-Based Polar Metals. <b>2021</b> , 258, 2000520	
643	Impact of (Zr, Cu) Ion Substitution on the Optical, Dielectric, and Impedance Behavior of BiFeO3. <b>2021</b> , 51, 40-46	5
642	Enhanced magnetoelectric coupling in dysprosium-doped BiFeO3 on the formation of nanocomposite with SrFe12O19. <b>2021</b> , 859, 157821	3
641	Electrical properties of Li and Nb modified BiFeO3 ceramics with reduced leakage current. <b>2021</b> , 47, 4217-4225	5
640	Correlating Role of Substrate and Modified Physical Properties of (Bi0.5La0.5FeO3)1-x-(Ba0.7Sr0.3TiO3)x (x = 0, 0.5) Thin Films. <b>2021</b> , 34, 425-433	0
639	Giant Domain Wall Conductivity in Self-Assembled BiFeO 3 Nanocrystals. <b>2021</b> , 31, 2005876	12
638	Influence of Al-Cu doping on the efficiency of BiFeO3 based perovskite solar cell (PSC). <b>2021</b> , 35, 62-65	1
637	Chemical Solution Route for High-Quality Multiferroic BiFeO Thin Films. <b>2021</b> , 17, e1903663	15
636	Recent progress in bismuth ferrite-based thin films as a promising photovoltaic material. <b>2021</b> , 46, 83-108	12
635	An overview on ferroelectric photovoltaic materials. <b>2021</b> , 175-199	
634	Observation of normal and reverse magnetocaloric effect in Ho and Sc co-substituted BiFeO3. <b>2021</b> , 32, 4372-4379	
633	Structural characterization of polycrystalline thin films by X-ray diffraction techniques. <b>2021</b> , 32, 1341-1368	8
632	FTIR: Important tool to investigate the chemical bond formation in the polycrystalline xBaTiO3 [] (1-x)BiFeO3. <b>2021</b> , 47, 616-620	1
631	Structural and impedance spectroscopy in BiFeO3BiCoO3BaTiO3 ternary system. 2021, 47, 1696-1699	Ο
630	Magnetoelectrics and Multiferroics. <b>2021</b> , 1-29	
629	Behavior of microwave absorption of BiFeO3 nanoparticles fabricated by sol-gel method. 2021,	

628	Perspective on emerging views on microscopic origin of relaxor behavior. <b>2021</b> , 36, 1015-1036	3
627	Introduction. <b>2021</b> , 1-23	
626	Environmental effect on structural, magnetic, and dielectric properties of BFO nanostructure and its solar cell applications. <b>2021</b> , 32, 3313-3323	2
625	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free NaBiVTiO Piezoceramics. <b>2021</b> , 13, 5208-5215	5
624	Lead-Free BiFeO-BaTiO Ceramics with High Curie Temperature: Fine Compositional Tuning across the Phase Boundary for High Piezoelectric Charge and Strain Coefficients. <b>2021</b> , 13, 4192-4202	26
623	Comparative density functional studies of pristine and doped bismuth ferrite polymorphs by GGA+U and meta-GGA SCAN+U. <b>2021</b> , 23, 8571-8584	4
622	Perovskite BiFeO3 Nanostructure Photocatalysts for Degradation of Organic Pollutants. 2021, 141-162	
621	Transport properties of nanoscopic solids as probed by spectroscopic techniques. <b>2021</b> , 9-37	
620	Performances variations of BiFeO3-based ceramics induced by additives with diverse phase structures. <b>2021</b> , 23, 1596-1603	2
619	Forming-free resistive switching in ferroelectric Bi 0.97 Y 0.03 Fe 0.95 Sc 0.05 O 3 film for RRAM application. <b>2021</b> , 96, 045808	О
618	Enhanced electrical properties by optimizing sintering temperature and dwell time in BiFe0.96Zn0.02Ti0.02O3 ceramics. <b>2021</b> , 572, 180-191	
617	Effects of defect on thermal stability and photoluminescence in quenched Ho-doped 0.94Na0.5Bi0.5TiO3 <b>I</b> .06BaTiO3 lead-free ceramics. <b>2021</b> , 36, 1125-1133	2
616	Soft-mode spectroscopy of ferroelectrics and multiferroics: A review. <b>2021</b> , 9, 020704	8
615	Elastic properties assessment in the multiferroic BiFeO3 by pump and probe method. <b>2021</b> , 118, 062902	Ο
614	Experimental investigation on multiferroic properties of Ti-doped BiFeO3 bulk and nanoparticles. <b>2021</b> , 1091, 012006	
613	Surface engineered Tb and Co co-doped BiFeO3 nanoparticles for enhanced photocatalytic and magnetic properties. <b>2021</b> , 32, 7956-7972	2
612	Effect of rare earth orthoferrite GdFeO3 on the band gap modulation and magnetic switching in Bi0.5Na0.5TiO3 ceramics. <b>2021</b> , 94, 77-92	
611	Role of Hydroxide Precipitation Conditions in the Formation of Nanocrystalline BiFeO3. <b>2021</b> , 66, 163-169	5

610	Electronic and Magnetic Properties of Chemical Solution Deposited BiFeO3 Thin Film: a Soft X-ray Magnetic Circular Dichroism Study. <b>2021</b> , 34, 1119-1124	5
609	Magnetoelectric and multiferroic properties of spinels. <b>2021</b> , 129, 060901	9
608	Surface and bulk ferroelectric phase transition in super-tetragonal BiFeO3 thin films. 2021, 5,	3
607	Effects of solvents and Al doping on structure and physical properties of BiFeO3 thin films. <b>2021</b> , 98, 45-53	2
606	Non-collinear magnetism & multiferroicity: the perovskite case. <b>2020</b> ,	1
605	Theory and phase-field simulations of electrical control of spin cycloids in a multiferroic. <b>2021</b> , 103,	
604	Domain-wall photovoltaic effect in Fe-doped BaTiO3 single crystals. <b>2021</b> , 129, 084101	2
603	Finite-element simulation of photoinduced strain dynamics in silicon thin plates. <b>2021</b> , 8, 024103	2
602	High-Performance Lead-Free Piezoelectrics. <b>2021</b> , 19-31	
601	Spectacular photocatalytic activity of mechanosynthesized heterostructured Bi-Fe-O nanocomposites in wastewater treatment containing colored and colorless pollutants. <b>2021</b> , 326, 115317	3
600	Rietveld Study of the Changes of Phase Composition, Crystal Structure, and Morphology of BiFeO3 by Partial Substitution of Bismuth with Rare-Earth Ions. <b>2021</b> , 11, 278	1
599	Insight into dynamic magnetic properties of YMnO3/FM bilayer in a time-dependent magnetic field. <b>2021</b> , 136, 1	14
598	Empirical approach to measuring interface energies in mixed-phase bismuth ferrite. 2021, 5,	
597	The multi-ferroelectricity in neodymium ferrite with perovskite structure. <b>2021</b> , 56, 10488-10493	O
596	Ab initio determination of crystal stability of di-p-tolyl disulfide. <b>2021</b> , 11, 7076	2
595	Chemical Solution Deposition of La-Substituted BiFe0.5Sc0.5O3 Perovskite Thin Films on Different Substrates. <b>2021</b> , 11, 307	O
594	Electrocaloric effects in multiferroics. <b>2021</b> , 103,	О
593	Comparison of Ferroelectric Photovoltaic Performance in BFO/BTO Multilayer Thin Film Structure Fabricated Using CSD & PLD Techniques. <b>2021</b> , 50, 1835-1844	1

592	Photostrictive Effect: Characterization Techniques, Materials, and Applications. 2021, 31, 2010706	6
591	Studies on the multiferroic properties and impedance analysis of (La, Cu) BiFeO3 prepared by sol-gel method. <b>2021</b> , 573, 104-116	5
590	Direct Sunlight Catalytic Decomposition of Organic Pollutants via Sm- and Ce-Doped BiFeO3 Nanopowder Synthesized by a Rapid Combustion Technique. 1	2
589	Electron density distribution and magnetic ordering of polycrystalline Bi0.6Sr0.4FeO3 ceramics. <b>2021</b> , 573, 224-235	1
588	Ferroelectricity and ferromagnetism in Fe-doped barium titanate ceramics. 2021, 573, 63-75	4
587	A correlation of lattice distortion with the magnetic properties of calcium doped bismuth ferrite thin films. <b>2021</b> , 54, 205002	1
586	Advances in the modification and device integration of multiferroic bismuth ferrite. 2021, 573, 87-102	0
585	Flexible Epsilon Iron Oxide Thin Films. <b>2021</b> , 13, 17006-17012	4
584	Electrochemically manipulating BiFeO3 particles via Bi3+ ion extraction. 2021, 104, 3354-3364	Ο
583	BiFeO3 System. <b>2021</b> , 157-196	
583 582	BiFeO3 System. <b>2021</b> , 157-196  Enhanced multiferroic characteristics in hexagonal ScMn1\( \text{\subseteq} \text{ExO3} \) ceramics. <b>2021</b> , 129, 134101	
		1
582	Enhanced multiferroic characteristics in hexagonal ScMn1\(\mathbb{H}\)FexO3 ceramics. <b>2021</b> , 129, 134101  Multiferroic BiFeO3 dithizone functionalized as optical sensor for detection and determination of	1 2
582 581	Enhanced multiferroic characteristics in hexagonal ScMn1\( \text{NFexO3} \) ceramics. <b>2021</b> , 129, 134101  Multiferroic BiFeO3 dithizone functionalized as optical sensor for detection and determination of some heavy metals in environmental samples. <b>2021</b> , 44, 1  Multiscale Domain Structures and Ferroic Properties of Dy-Modified BiFeO3-PbTiO3 Single Crystals.	
582 581 580	Enhanced multiferroic characteristics in hexagonal ScMn1\( \text{MFexO3}\) ceramics. <b>2021</b> , 129, 134101  Multiferroic BiFeO3 dithizone functionalized as optical sensor for detection and determination of some heavy metals in environmental samples. <b>2021</b> , 44, 1  Multiscale Domain Structures and Ferroic Properties of Dy-Modified BiFeO3-PbTiO3 Single Crystals. <b>2021</b> , 21, 3082-3092	
582 581 580	Enhanced multiferroic characteristics in hexagonal ScMn1\(\mathbb{B}\)FexO3 ceramics. <b>2021</b> , 129, 134101  Multiferroic BiFeO3 dithizone functionalized as optical sensor for detection and determination of some heavy metals in environmental samples. <b>2021</b> , 44, 1  Multiscale Domain Structures and Ferroic Properties of Dy-Modified BiFeO3-PbTiO3 Single Crystals. <b>2021</b> , 21, 3082-3092  Nanostructured Multiferroics. <b>2021</b> , 63-94  Enhanced dielectric, ferroelectric and magnetic properties of Ba4Sm2Fe2Nb8O30 RT multiferroics	2
582 581 580 579	Enhanced multiferroic characteristics in hexagonal ScMn1NFexO3 ceramics. 2021, 129, 134101  Multiferroic BiFeO3 dithizone functionalized as optical sensor for detection and determination of some heavy metals in environmental samples. 2021, 44, 1  Multiscale Domain Structures and Ferroic Properties of Dy-Modified BiFeO3-PbTiO3 Single Crystals. 2021, 21, 3082-3092  Nanostructured Multiferroics. 2021, 63-94  Enhanced dielectric, ferroelectric and magnetic properties of Ba4Sm2Fe2Nb8O30 RT multiferroics prepared by microwave sintering. 2021, 47, 21024-21024  Structural, dielectric, magnetic and optical properties of double perovskite oxide	2

574	Magnetic properties across the YMnO3-BiFeO3 system designed for phase-change magnetoelectric response. <b>2021</b> , 266, 115055	1
573	Photoferroelectric perovskite solar cells: Principles, advances and insights. <b>2021</b> , 37, 101062	16
572	Preparations, Characterization, and Applications of Multiferroic Nanocomposites. 2021, 233-247	
571	Structure evidence of Pna21 phase and field-induced transition of Pna21/R3c in Bi1\subsetence SmxFe0.99Ti0.01O3 ceramics. <b>2021</b> , 118, 142904	1
570	Magnetoelectric Multiferroicity and Magnetic Anisotropy in Guanidinium Copper(II) Formate Crystal. <b>2021</b> , 14,	О
569	Room-temperature multiferrocity and magnetodielectric properties of ternary BiFeO3Bi0.5Na0.5TiO3LaTiO3 ceramics across the rhombohedralBrthorhombic phase boundary. <b>2021</b> , 32, 11524	1
568	Production of green electricity from strained BaTiO3 and TiO2 ceramics based hydroelectric cells. <b>2021</b> , 262, 124277	5
567	Studies of structural, electrical and ferroelectric characteristics of gadolinium and yttrium modified bismuth ferrite. <b>2021</b> , 263, 124359	3
566	Role of Bi chemical pressure on electrical properties of BiFeO3BaTiO3Based ceramics. 2021, 114, 106562	5
565	Magnetoelectric materials and devices. <b>2021</b> , 9, 041114	26
565 564	Magnetoelectric materials and devices. <b>2021</b> , 9, 041114  Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14	26
		26 O
564	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14	
564 563	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14  Structural, magnetic, and electrical properties of RFeO3 (R = Dy, Ho, Yb & Lu) compounds. 2021, 32, 14286	
564 563 562	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14  Structural, magnetic, and electrical properties of RFeO3 (R = Dy, Ho, Yb & Lu) compounds. 2021, 32, 14286  Synthesis and Characterization of LFOBFO Multiferroic Nanocomposites. 2021, 193-202	
564 563 562 561	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14  Structural, magnetic, and electrical properties of RFeO3 (R = Dy, Ho, Yb & Lu) compounds. 2021, 32, 14286  Synthesis and Characterization of LFOBFO Multiferroic Nanocomposites. 2021, 193-202  Single-Phase Multiferroics. 2021, 23-50  Correlation Between Grain Size, Transport, and Multiferroic Properties of Ba-doped BiFeO3	
564 563 562 561 560	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. 1028, 9-14  Structural, magnetic, and electrical properties of RFeO3 (R = Dy, Ho, Yb & Lu) compounds. 2021, 32, 14286  Synthesis and Characterization of LFOBFO Multiferroic Nanocomposites. 2021, 193-202  Single-Phase Multiferroics. 2021, 23-50  Correlation Between Grain Size, Transport, and Multiferroic Properties of Ba-doped BiFeO3 Nanoparticles. 2021, 163-192	

556 Phase formation and spectroscopy analysis of doped bismuth ferrite nanoparticles. **2021**, 49, 3453-3453

555	Multiferroic Study of Pure BiFeO3 Synthesized Using Various Complexing Agents by Sol <b>G</b> el Method. <b>2021</b> , 51-62	
554	Effect of Na/Co co-substituted on structural, magnetic, optical and photocatalytic properties of BiFeO3 nanoparticles. <b>2021</b> , 263, 124402	O
553	Strain engineering of epitaxial oxide heterostructures beyond substrate limitations. <b>2021</b> , 4, 1323-1334	12
552	Investigation on Multiferroic Properties and Conduction Mechanism in Cobalt Doped Bi0.9Nd0.1FeO3 Solid Solutions. <b>2021</b> , 80, 142-149	1
551	Ferro-photocatalytic Enhancement of Photoelectrochemical Water Splitting Using the WO3/BiFeO3 Heterojunction. <b>2021</b> , 35, 9623-9634	6
550	Role of Fe Doping on Local Structure and Electrical and Magnetic Properties of PbTiO3. <b>2021</b> , 125, 12342-123	35∯
549	Improved ferroelectric properties and softening effect in BLTF ceramics. <b>2021</b> , 47, 25163-25163	1
548	Effects of crystallization kinetics on the dielectric and electrical properties of BiFeO3 films.	O
547	A first principle study: Effect of tin substitution on magnetic properties of bismuth ferrite nanoparticles prepared by sol-gel synthesis method. <b>2021</b> , 127, 108483	6
546	Electric field poling effect on the photosensitivity of samarium-doped bismuth ferrite ceramics. <b>2021</b> , 47, 12574-12582	5
545	Enhanced visible-light photocatalytic activity and recyclability of magnetic core-shell Fe3O4@SiO2@BiFeO3Bepiolite microspheres for organic pollutants degradation. <b>2021</b> , 335, 116566	10
544	Review of Magnetoelectric Sensors. <b>2021</b> , 10, 109	7
543	Enhanced Electromechanical Response and Thermal Stability of 0.93(Na1/2Bi1/2)TiO3-0.07BaTiO3 Through Aerosol Deposition of Base Metal Electrodes. <b>2021</b> , 8, 2100309	1
542	Structural phase instability, mixed-phase, and energy band gap change in BiFeO3 under lattice strain effect from first-principles investigation. <b>2021</b> , 47, 12592-12599	3
541	Coexisting morphotropic phase boundary and giant strain gradient in BiFeO3 films. <b>2021</b> , 129, 184101	O
540	Structure and dielectric properties of Bi1-xLaxFeO3 nanostructured ceramics. <b>2021</b> , 576, 1-7	О
539	Ions substitution effect on the magnetic phase transition temperature of 0.5BiFeO3-0.5Pb1-xSrxTiO3 multiferroic solid solutions. <b>2021</b> , 576, 19-28	

538	Lattice effects on the multiferroic characteristics of (La, Ho) co-substituted BiFeO3. 2021, 863, 158719	3
537	Effect of heat-treatment mechanism on structural and electromechanical properties of eco-friendly (Bi, Ba)(Fe, Ti)O3 piezoceramics. <b>2021</b> , 56, 13198	7
536	Electric field control of magnetism: multiferroics and magnetoelectrics. 2021, 44, 251-289	4
535	Grain structure and dielectric characteristics of (1-x-y)BiFeO3-xPbFe0.5Nb0.5O3-yPbTiO3 ceramics. <b>2021</b> , 576, 111-118	1
534	On the exceptional temperature stability of ferroelectric Al1-xScxN thin films. <b>2021</b> , 118, 232905	9
533	The effects of sintering temperature on structural, electrical, and magnetic properties of MgFe1.92Bi0.08O4. <b>2021</b> , 46, 151-161	
532	Structural, dielectric, magnetic and magneto-dielectric properties of (1 lk)BiFeO3[k)CaTiO3 composites. <b>2021</b> , 32, 18012-18027	0
531	Enhanced ferroelectric properties of (Zn, Ti) equivalent co-doped BiFeO3 films prepared via the sol-gel method. <b>2021</b> , 47, 16776-16785	4
530	Low-Temperature Growth of AlN Films on Magnetostrictive Foils for High-Magnetoelectric-Response Thin-Film Composites. <b>2021</b> , 13, 30874-30884	3
529	Crafting the multiferroic BiFeO3-CoFe2O4 nanocomposite for next-generation devices: A review. <b>2021</b> , 36, 1579-1596	8
528	Structural evolution and magnetic properties of Bi0.86Nd0.14Fe1-xTixO3 ceramics. 2021, 270, 124857	0
527	Magnetodielectric study of BiFeO3 synthesized by assisted high-energy ball milling. <b>2021</b> , 153, 109998	2
526	Structure, dielectric, and multiferroic properties of Bi0.85Nd0.15Fe0.98Zr0.02O3 in Ba and Ti co-doping. <b>2021</b> , 32, 18439-18449	O
525	Stress-mediated solution deposition method to stabilize ferroelectric BiFe1-xCrxO3 perovskite thin films with narrow bandgaps. <b>2021</b> , 41, 3404-3415	3
524	Trigonal Planar Iron(II) and Cobalt(II) Complexes Containing [RS(NBu)] (R = NBu, = 2; CHPPh, = 1) as Acute Bite-Angle Chelating Ligands: Soft P Donor Proves Beneficial to Magnetic Co Species. <b>2021</b> , 60, 9580-9588	2
523	Multiferroic and Nanomechanical Properties of Bi1 $\mathbb{Z}$ GdxFeO3 Polycrystalline Films (x = 0.00 $\mathbb{D}$ .15). <b>2021</b> , 11, 900	1
522	Synthesis of doped and undoped Bi1-xMxFeO3 porous networks (M = La, Gd, Nd; $x = 0$ , 0.03, 0.05, 0.10) with enhanced visible-light photocatalytic activity. <b>2021</b> , 416, 113334	2
521	Recent progress on 2D ferroelectric and multiferroic materials, challenges, and opportunity. <b>2021</b> , 4, 847-863	8

520	An antisite defect mechanism for room temperature ferroelectricity in orthoferrites. <b>2021</b> , 12, 4298	8
519	Effect of La/Cr co-doping on dielectric dispersion of phase pure BiFeO3 nanoparticles for high frequency applications. <b>2021</b> , 13, 1534-1545	1
518	Growth and characterization of Dy1-xYxMnO3 single crystals by optical floating zone technique: A combined X-ray diffraction and DC magnetization study. <b>2021</b> , 565, 126152	0
517	Structural, dielectric, impedance and ferroelectric properties of lead-free Bi(Fe0.85Dy0.15)O3 ceramic. <b>2021</b> , 32, 21337-21349	O
516	Non-d0 ferroelectricity from semicovalent superexchange in bismuth ferrite. <b>2021</b> , 104,	1
515	New lead-free double perovskites X2GeI6 (X $=$ K, Rb, Cs) for solar cells, and renewable energy as an alternate of hybrid perovskites. <b>2021</b> , 45, 19645	3
514	Chemical ordering and magnetic phase transitions in multiferroic BiFeO3-AFe1/2Sb1/2O3 (A-Pb, Sr) solid solutions fabricated by a high-pressure synthesis. 2160011	
513	Effect of Y ions incorporation on structural, morphological and magnetic properties of Bi $1$ M Dy x FeO 3 for ferromagnetic applications. <b>2021</b> , 44, 1	1
512	(001)-oriented BiFeO3 films integrated on Si with enhanced electrical performances. <b>2021</b> , 104, 6373	O
511	Electric field control of magnetism. 2021, 477, 20200942	7
510	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3. <b>2021</b> , 39, 835-843	7
	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3.	
510	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3. <b>2021</b> , 39, 835-843  La doped BiFeO3 ceramics synthesized under extreme conditions: Enhanced magnetic and	15
510	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3. 2021, 39, 835-843  La doped BiFeO3 ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. 2021, 47, 20407-20412  Estimating the true piezoelectric properties of BiFeO3 from measurements on BiFeO3-PVDF	15 4
510 509 508	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3.  2021, 39, 835-843  La doped BiFeO3 ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. 2021, 47, 20407-20412  Estimating the true piezoelectric properties of BiFeO3 from measurements on BiFeO3-PVDF terpolymer composites. 2021, 868, 159186  Effect of polarization rotation on the optical and photovoltaic properties of BiFeOthin films. 2021,	15 4 5
510 509 508	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3. 2021, 39, 835-843  La doped BiFeO3 ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. 2021, 47, 20407-20412  Estimating the true piezoelectric properties of BiFeO3 from measurements on BiFeO3-PVDF terpolymer composites. 2021, 868, 159186  Effect of polarization rotation on the optical and photovoltaic properties of BiFeOthin films. 2021, 33,	15 4 5
510 509 508 507 506	Effects of Sm-doping on microstructure, magnetic and microwave absorption properties of BiFeO3.  2021, 39, 835-843  La doped BiFeO3 ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. 2021, 47, 20407-20412  Estimating the true piezoelectric properties of BiFeO3 from measurements on BiFeO3-PVDF terpolymer composites. 2021, 868, 159186  Effect of polarization rotation on the optical and photovoltaic properties of BiFeOthin films. 2021, 33,  Exploring the one-step synthesis of composite BiFeO3 based coatings. 2021, 47, 18969-18976  Influence of Gd doping and thickness variation on structural, morphological and optical properties	15 4 5 1

502	Oxide and OrganicIhorganic Halide Perovskites with Plasmonics for Optoelectronic and Energy Applications: A Contributive Review. <b>2021</b> , 11, 1057	4
501	Progress In Lead Free- Relaxor Ferroelectrics For Energy Storage Applications <b>2021</b> , 1973, 012117	1
500	Monitoring Electrical Biasing of Pb(ZrTi)O Ferroelectric Thin Films In Situ by DPC-STEM Imaging. <b>2021</b> , 14,	1
499	Spontaneous and Induced Ferroelectricity in the BiFe1⊠ Sc x O3 Perovskite Ceramics. <b>2021</b> , 218, 2100173	1
498	Lattice symmetry breaking transition and critical size limit for ferroic orders in nanophase BiFeO3. <b>2021</b> , 104,	
497	Lanthanum and Manganese Co-Doping Effects on Structural, Morphological, and Magnetic Properties of Sol-Gel Derived BiFeO. <b>2021</b> , 14,	2
496	Magnetic and electric field dependent anisotropic magnetoelectric multiferroicity in SmMn3Cr4O12. <b>2021</b> , 104,	3
495	Insights on carbapenem-resistant Pseudomonas aeruginosa. <b>2021</b> , 65, 105-112	6
494	. <b>2021</b> , 57, 1-57	8
493	Emergent properties at oxide interfaces controlled by ferroelectric polarization. 2021, 7,	1
492	Effect of La3+ Substitution on Structural, Magnetic, and Multiferroic Properties of Bismuth Ferrite (Bi1-xLaxFeO3) Nanoceramics. <b>2022</b> , 105-113	
491	Crystal structure, physicochemical, and sensory properties of solid solutions Bi1 $\square$ LaxFe1 $\square$ CoxO3 (x = 0, 0.05, 0.1). <b>2021</b> , 32, 22579-22587	1
490	Li-ionic control of magnetism through spin capacitance and conversion. 2021,	9
489	On the magnetic and magnetoelectric coupling properties of lead-free (1 $\mbox{lk}$ ) Bi0.9La0.1FeO3/xLa0.7Sr0.3MnO3 (x = 0, 0.1, 0.2) composites at room temperature. 1	O
488	Photoconductivity and Photovoltaic Studies on Polycrystalline Bi1 $M$ ? Fe1 $M$ ? O3 $I(M$ ? = $K$ + and Cs+; M? = $T$ i4+; x = $Y$ = $Y$ 0 and 0.1) Thin Films. <b>2021</b> , 733, 138804	
487	Electric-field-controlled magnetism due to field-induced transition of Pna21/R3c in Bi1-xGdxFeO3 ceramics. <b>2021</b> , 7, 967-975	1
486	Tailoring the multiferroic properties of BiFeO3 by low energy ions implantation. 1	О
485	Thin film processing of multiferroic BiFeO3: From sophistication to simplicity. A review. <b>2021</b> ,	O

484	Chemical pressure exerted by rare earth substitution in BiFeO3: Effect on crystal symmetry, band structure and magnetism. <b>2021</b> , 876, 160178	5
483	Enhancement in electrical and magnetic properties of (Li0.5Ga0.5)2+ and (Li0.5Er0.5)2+-Modified BiFeO3-BaTiO3 ceramics. <b>2021</b> , 47, 24020-24030	O
482	Negatively Charged In-Plane and Out-Of-Plane Domain Walls with Oxygen-Vacancy Agglomerations in a Ca-Doped Bismuth-Ferrite Thin Film. <b>2021</b> , 3, 4498-4508	1
481	Stabilization of correlated ferroelectric and ferromagnetic domain structures in BiFe0.9Co0.1O3 films. <b>2021</b> , 119, 132901	1
480	Optical transient grating pumped X-ray diffraction microscopy for studying mesoscale structural dynamics. <b>2021</b> , 11, 19322	1
479	Structural and Electrical Behavior of (0.70)BiFe1\( \text{IC}\)CoxO3\( \text{D}\).30)PbTiO3 Solid Solutions Prepared by Simple Sol-Gel Route. <b>2021</b> , 10, 093006	O
478	Investigations on Optical and Magnetodielectric Properties of Lead-Free Multiferroic Bi0.9La0.1FeO3 and its Composite (0.9) Bi0.9La0.1FeO3/(0.1) La0.7Sr0.3MnO3 at Room Temperature. <b>2021</b> , 34, 2999	О
477	Enhanced piezoelectric and ferroelectric properties of tetragonal BiFeO3BaTiO3 ceramics via tailoring sintering temperature and dwell time. <b>2021</b> , 32, 24496-24506	O
476	Actuation mechanisms in mixed-phase K0.5Bi0.5TiO3-BiFeO3-PbTiO3 ceramics. 2021, 41, 6414-6423	1
475	Formaldehyde sensing with a parts-per-billion limit of detection by dielectric properties and crystal symmetry optimization in BiFeO3-based p-type solid solution. <b>2021</b> , 344, 130314	3
474	Construction of multi-domain coexistence enhanced piezoelectric properties of Bi0.5Na0.5TiO3-based thin films. <b>2021</b> , 41, 6456-6464	3
473	Tuning of electric and magnetic properties of BiFeO3-SrTiO3 solid solution ceramics by site-specific doping of Mn. <b>2021</b> , 877, 160239	6
472	The origin of the large magnetoelectric coupling in the ceramic Ba0.1Bi0.9(Ti0.9Zr0.1)0.1Fe0.9O3.	
471	Influence on properties of Bi0.9Sm0.1FeO3 multiferroic system with Mg substitution at Fe-site. <b>2021</b> , 302, 122432	2
470	Adsorption enhanced photocatalytic degradation of Rhodamine B using GdxBi1-xFeO3@SBA-15 (x= 0, 0.05, 0.10, 0.15) nanocomposites under visible light irradiation. <b>2021</b> , 47, 29139-29148	1
469	Design, structural evolution, optical, electrical and dielectric properties of perovskite ceramics Ba1-xBixTi1-xFexO3 (0 lk lb.8). <b>2021</b> , 273, 125096	2
468	Evidence on the quantum critical point in EuTiO3BrTiO3 solid solution. 2021, 620, 413225	0
467	A molecular dynamics study of domain switching in BiFeO3 nanofilm under DC electric field. <b>2021</b> , 199, 110718	O

466	Structural, magnetic, magneto-dielectric and magneto-electric properties of (1-x) Ba0.85Ca0.15Ti0.90Zr0.10O3 [(x) CoFe2O4 lead-free multiferroic composites sintered at higher temperature. <b>2021</b> , 538, 168243	3
465	Origin of magnetic, magnetoelectric effect and the influence of reentrant ferroelectric phase on the structural and multiferroic properties of Dy3+-Fe3+ co-substituted BaTiO3 ceramics. <b>2021</b> , 538, 168260	Ο
464	Sensitivity enhancement by employing BiFeO3 and graphene hybrid structure in surface plasmon resonance biosensors. <b>2021</b> , 121, 111618	1
463	Low temperature deposition of BiFeO3 films on Ti foils for piezoelectric applications. <b>2021</b> , 204, 114152	1
462	Additives effect on the multiferroic behaviour of BiFeO3PbTiO3. 2021, 47, 29815-29823	3
461	Investigation of multifunctional characteristics in SmFeO3-BaTiO3 perovskite system for devices. <b>2021</b> , 135, 106071	0
460	Magnetoelectric features in the magnetic hysteresis of modified multiferroic BiFeO3: Release of latent magnetization induced by cationic modification. <b>2021</b> , 537, 168198	
459	Enhanced electric resistivity and dielectric energy storage by vacancy defect complex. <b>2021</b> , 42, 836-844	5
458	On the effects of dislocations on the magnetism of BiFeO3 nanoparticles. <b>2021</b> , 887, 161421	1
457	Prominent ferroelectric properties in Mn-doped BiFeO3 spin-coated thin films. <b>2021</b> , 886, 161168	4
456	Prediction of magnetoelectric properties of defect BiFeO3 thin films using Monte Carlo simulations. <b>2021</b> , 539, 168402	3
455	Unvailing the spinphonon coupling in nanocrystalline BiFeO3 by resonant two-phonon Raman active modes. <b>2021</b> , 274, 115444	
454	Model-based quantification of inter-/intra-grain electrical parameters, hopping polydispersivity, and local energy barrier profile of BiFeMnO3 synthesized by different methods. <b>2022</b> , 160, 110334	
453	Crystal structure refinement and magnetic properties of Sm3+ doped BiFeO3 nanoparticles. <b>2022</b> , 624, 413374	0
452	Structural Evolution-Enabled BiFeO3 modulated by strontium doping with enhanced magnetic and photoelectric performance. <b>2022</b> , 571, 151130	0
451	Sm3+-BiFeO3 nano catalyst: A synergetic effect of Sm3+ on enhanced multiferroic properties and photocatalysis. <b>2022</b> , 891, 161896	0
450	Electronic and optical properties of multifunctional R3c AFeO3 (A = Sc or In) compounds: Insights into their potential for photovoltaic applications. <b>2022</b> , 160, 110346	0
449	Effect of core size on the magnetoelectric properties of Cu0.8Co0.2Fe2O4@Ba0.8Sr0.2TiO3 ceramics. <b>2022</b> , 160, 110314	3

448	Magnetic and electrical properties by Ca2+ doping in SmCrO3 orthochromites. 2022, 890, 161823	1
447	Ferromagnetic, ferroelectric, and magnetoelectric properties in individual nanotube-based magnetoelectric films of CoFe2O4/BaTiO3 using electrically resistive core-shell magnetostrictive nanoparticles. <b>2022</b> , 891, 161861	1
446	Reasons for the High Electrical Conductivity of Bismuth Ferrite and Ways to Minimize It. 2021, 11, 1025	O
445	Multiferroic properties and impedance spectrum of Ho3+ and Ti4+ co-doped BiFeO3 ceramics. <b>2021</b> , 570, 57-66	
444	A revew of in situ transmission electron microscopy study on the switching mechanism and packaging reliability in non-volatile memory. <b>2021</b> , 42, 013102	3
443	On structural and morphological characterizations of Ho-BFO multiferroics. <b>2021</b> ,	1
442	Retaining graphene structure in the synthesis of its composite with BiFeO3. <b>2021</b> , 43, 216-219	O
441	Effect of synthesis method in magnetic properties of Bismuth iron oxide: A prevoskite type multiferroic materials. <b>2021</b> , 47, 1000-1005	1
440	Quasiparticle band structures, spontaneous polarization, and spin-splitting in noncentrosymmetric few-layer and bulk EGeSe. <b>2021</b> , 9, 9683-9691	1
439	High oxide-ion conductivity in acceptor-doped Bi-based perovskites at modest doping levels. <b>2021</b> , 23, 11327-11333	2
438	Formation and physical properties of the self-assembled BFO-CFO vertically aligned nanocomposite on a CFO-buffered two-dimensional flexible mica substrate <b>2021</b> , 11, 15539-15545	6
437	Giant Ferroelectric Polarization in Ultrathin Ferroelectrics via Boundary-Condition Engineering.  Advanced Materials, <b>2017</b> , 29, 1701475	35
436	Syntheses and Properties of Some Bi-Containing Compounds with Noncentrosymmetric Structure. <b>2013</b> , 321-341	1
435	Electrochemical Supercapacitors of Bismuth Ferrites. <b>2020</b> , 69-84	1
434	Ferrites Obtained by Sol <b>©</b> el Method. <b>2016</b> , 1-41	3
433	Ferrites Obtained by Sol <b>©</b> el Method. <b>2018</b> , 1-41	6
432	Ferrites Obtained by Sol-Gel Method. <b>2018</b> , 695-735	25
431	Magnetic Properties in Multiferroic Bi1⊠Fe1+xO3 (x 🛈.5) of Nanoparticles. <b>2013</b> , 117-124	1

430	Hybrid Ferromagnetic/Ferroelectric Materials. <b>2016</b> , 365-398	1
429	Improved ferroelectric properties of BiFeO3-based piezoelectric ceramics through morphotropic phase boundary construction. <b>2020</b> , 46, 15991-15997	5
428	Investigation of magnetic, dielectric and optical properties of BiFe0.5Mn0.5O3 multiferroic ceramic. <b>2020</b> , 753, 137569	3
427	Controlling the ferroelectric and resistive switching properties of a BiFeO thin film prepared using sub-5 nm dimension nanoparticles. <b>2017</b> , 19, 26085-26097	18
426	Observation of strong magnetoelectric coupling and ferromagnetism at room temperature in Fe substituted ferroelectric BaZr0.05Ti0.95O3 thin films. <b>2017</b> , 121, 034101	5
425	Ferroelectric domain structure of Bi2FeCrO6 multiferroic thin films. <b>2020</b> , 128, 234103	O
424	Fashioning the architectures of the self-assembled multiferroic nanocomposite thin film. 2020,	1
423	Effect of Mn substitution on structural and dielectric properties of bismuth ferrite. <b>2017</b> , 519, 187-193	8
422	Progress in designing novel single-phase room temperature multiferroics. <b>2020</b> , 569, 227-239	1
421	Influence of compositional variation on structural, electrical and magnetic characteristics of (Ba1 IGd) (Ti1 IFex) O3(0.2 ID.5). <b>2018</b> , 5, 016101	13
420	Multiferroic bismuth ferrite: Perturbed angular correlation studies on its ferroic 日内hase transition. <b>2020</b> , 102,	6
419	Successive field-induced transitions in BiFeO3 around room temperature. 2017, 1,	11
418	Polymorphism in Bi-based perovskite oxides: A first-principles study. <b>2018</b> , 2,	7
4 <sup>1</sup> 7	Size-dependent bistability in multiferroic nanoparticles. <b>2019</b> , 3,	4
416	Influence of flexoelectricity on the spin cycloid in (110)-oriented BiFeO3 films. 2019, 3,	6
415	Oxygen vacancy order-disorder transition at high temperature in Bi-Sr-Fe-based perovskite-type oxides. <b>2019</b> , 3,	6
414	Magnetic field induced antiferromagnetic cone structure in multiferroic BiFeO3. 2020, 4,	2
413	Giant pressure-enhancement of multiferroicity in CuBr2. <b>2020</b> , 2,	1

412	Incommensurate structures of the [CHNH][Co(COOH)] compound. 2019, 6, 105-115	5
411	Giant piezoelectricity of Sm-doped Pb(MgNb)O-PbTiO single crystals. <b>2019</b> , 364, 264-268	242
410	BiFeO3Crystal Structure at Low Temperatures. <b>2010</b> , 117, 296-301	70
409	Magnetic Properties of the Bi0.65La0.35Fe0.5Sc0.5O3 Perovskite. 2017, 131, 1069-1071	1
408	Orthorhombic Phase of La0.5Bi0.5NiO3 Studied by First Principles. <b>2018</b> , 133, 408-410	1
407	Spin dynamics, antiferrodistortion and magnetoelectric interaction in multiferroics. The case of BiFeO3. <b>2020</b> ,	1
406	Electronic Structure and Magnetic Properties of FeTe, BiFeO3, SrFe12O19 and SrCoTiFe10O19 Compounds. <b>2016</b> , 61, 523-530	3
405	Ferroelectricity of Ca9Fe(PO4)7 and Ca9Mn(PO4)7 ceramics with polar whitlockite-type crystal structure. <b>2020</b> , 41, 559-564	1
404	Strain Engineering of Epitaxial Oxide Heterostructures Beyond Substrate Limitations.	1
403	A CHEMICAL ROUTE TO THE SYNTHESIS OF Bi1-xMgxFeO3 (x=0.1 and x=0.07) NANOPARTICLE WITH ENHANCED ELECTRICAL PROPERTIES AS MULTIFERROIC MATERIAL. <b>2018</b> , 5, 103-112	1
402	Straintronics: a new trend in micro- and nanoelectronics and material science. 2018, 188, 1288-1330	7
401	Preparation of La-doped BiFeO3 Thin Film and Its Photovoltaic Properties. 2013, 28, 436-440	5
400	Nanocasting synthesis of BiFeO nanoparticles with enhanced visible-light photocatalytic activity. <b>2020</b> , 11, 1822-1833	3
399	First-principles calculation of the electronic and optical properties of BiRhO3 compound. <b>2017</b> , 4, 894-904	3
398	Multiferroic Property and Crystal Structural Transition of BiFeO3-SrTiO3Ceramics. 2011, 48, 307-311	15
397	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. <b>2013</b> , 5, 81	1
396	Exploring multiferroic materials based on artificial superlattice LaFeO3-YMnO3 and natural superlattice n-LaFeO3-Bi4Ti3O12 thin films. <b>2015</b> , 64, 097502	1
395	Recent progress of multiferroic magnetoelectric devices. <b>2018</b> , 67, 157507	4

394	Enhanced Piezoelectric Constant of (1-x)BiFeO3⊠BiCoO3Thin Films Grown on LaAlO3Substrate. <b>2011</b> , 50, 031505	7
393	Microstructure of BaTiO3Bi(Mg1/2Ti1/2)O3BiFeO3Piezoelectric Ceramics. 2012, 51, 09LD04	30
392	Study on the Structural, Electrical, and Magnetic Properties of Pure and (Pr3+,Co2+)-Doped BiFeO3Powders and Thin Films. <b>2012</b> , 51, 11PG06	1
391	Modifying BiFeO3 (BFO) for multifunctional applications - A review. <b>2021</b> ,	O
390	Enhanced dielectric stability and coercivity of band gap tuned BaAl Co-doped bismuth ferrite: An experimental and DFT+U investigation. <b>2021</b> , 48, 3404-3404	0
389	Surface structure and quenching effects in BiFeO3-BaTiO3 ceramics. 2022, 105, 1265	3
388	Achieving Large Switchable Polarization and Enhanced Piezoelectric Response in BiFeO3-PbTiO3 Solid Solution Ceramics. 2100883	1
387	Multiple property enhancement in bismuth ferrite-based ferroelectrics by balancing nanodomain and relaxor state. <b>2022</b> , 105, 1241	Ο
386	Tunable Magnetic Properties in SrRuO3/BiFeO3 Heterostructures via Electric Field.	О
385	Solution processing of morphotropic phase boundary BiFeO3-PbTiO3 thin films with reduced conductivity for high room temperature switchable polarization. <b>2022</b> , 105, 888	O
384	Nonlinear ion mobility at high electric field strengths in the perovskites SrTiO3 and CH3NH3PbI3. <b>2021</b> , 5,	1
383	Crystalline texture analyses of sputtered BiFeO3 thick films on Si with a large polarization. 2021,	Ο
382	Thin Films/Properties and Applications.	О
381	Improved electric insulation ability and ferromagnetic property in Nb2O5 doped BiFeO3-based multiferroic ceramics. 1	O
380	High Curie temperature BiFeO3-BaTiO3 lead-free piezoelectric ceramics: Ga3+ doping and enhanced insulation properties. <b>2021</b> , 130, 144104	3
379	DFTTK: Density Functional Theory ToolKit for high-throughput lattice dynamics calculations. <b>2021</b> , 75, 102355	4
378	Epitaxial ferroelectric interfacial devices. <b>2021</b> , 8, 041308	3
377	Effect of Mn4+ doping on the microstructure and electrical property of BiFeO3 ceramic. <b>2012</b> , 61, 142301	

376	Complex Oxide Materials. 1179-1212	
375	Structural and Multiferroic Properties of Chemical-Solution-Deposited (Bi0.95La0.05)(Fe0.97Cr0.03)O3/NiFe2O4Double-Layered Thin Film. <b>2012</b> , 51, 09MD06	1
374	BiFeO3-based Lead-free Piezoelectric Ceramics. <b>2012</b> , 25, 692-701	
373	Enhanced Sintering Behavior and Electrical Properties of Single Phase BiFeO3Prepared by Attrition Milling and Conventional Sintering. <b>2012</b> , 49, 485-492	1
372	Integration of Multiferroic BiFeO3 Thin Films into Modern Microelectronics. 403-441	
371	Ferroelectric BiFeO3-coated TiO2Electrodes for Enhanced Photovoltaic Properties of Dye-sensitized Solar Cells. <b>2013</b> , 26, 198-203	
370	Hybrid Ferromagnetic/Ferroelectric Materials. <b>2015</b> , 1-29	
369	Lead-Free Ferroelectric Thin Films. <b>2016</b> , 1-28	
368	Structural, dielectric and magnetic properties of sol-gel synthesized Bi1 $\mbox{\sc Bl}$ LaxFeO3 nanoparticles (x=0.3). <b>2016</b> ,	
367	Review on Enhancement of BiFeO3 Photocatalytic Property. <b>2017</b> , 07, 224-231	
367 366	Review on Enhancement of BiFeO3 Photocatalytic Property. 2017, 07, 224-231  Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. 2017,	
	Role of grain and grain boundary on the electrical and thermal conductivity of	
366	Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. <b>2017</b> ,	3
366 365	Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. 2017,  Ferrites Obtained by Solffel Method. 2018, 1-40	3
366 365 364	Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. 2017,  Ferrites Obtained by Soltel Method. 2018, 1-40  Renovation of Interest in the Magnetoelectric Effect in Nanoferroics. 2018, 63, 1006  Study of Bismuth Ferrite-Silver Ferrite Nanocomposite About Structure, Characterization, Magnetic	3
366 365 364 363	Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. 2017,  Ferrites Obtained by SolCel Method. 2018, 1-40  Renovation of Interest in the Magnetoelectric Effect in Nanoferroics. 2018, 63, 1006  Study of Bismuth Ferrite-Silver Ferrite Nanocomposite About Structure, Characterization, Magnetic Properties and Band Gap Evaluation. 2019, 581-589	3
366 365 364 363 362	Role of grain and grain boundary on the electrical and thermal conductivity of Bi0.9Y0.1Fe0.9Mn0.1O3 ceramics. 2017,  Ferrites Obtained by Soltel Method. 2018, 1-40  Renovation of Interest in the Magnetoelectric Effect in Nanoferroics. 2018, 63, 1006  Study of Bismuth Ferrite-Silver Ferrite Nanocomposite About Structure, Characterization, Magnetic Properties and Band Gap Evaluation. 2019, 581-589  Powder and Thin Film Synthesis. 2019, 75-92	3

358	Photodeposition of CoO nanoparticles on BiFeO nanodisk for efficiently piezocatalytic degradation of rhodamine B by utilizing ultrasonic vibration energy. <b>2021</b> , 80, 105813	8
357	Study of magnetic structure of ferrimagnet holmium iron garnet by neutron diffraction at room temperature. <b>2020</b> ,	
356	Enhanced electrical conductivity in Zr-Doped (La0.7Ba0.3)(Mn0.5Fe0.5)O3 solid solutions. <b>2020</b> , 10, 2050032	2
355	The Properties of xBiFeO3(11	
354	Progress and Perspectives on Aurivillius-Type Layered Ferroelectric Oxides in Binary Bi4Ti3O12-BiFeO3 System for Multifunctional Applications. <b>2021</b> , 11, 23	4
353	Stable piezoelectric response of 0-3 type CaBi2Nb2O9:xwt%BiFeO3 composites for high-temperature piezoelectric applications. <b>2021</b> , 9, 312-322	3
352	Multifunctional oxides for topological magnetic textures by design. <b>2021</b> , 54, 093001	2
351	Optical and electrical properties of impurity-less multiferroic bismuth ferrite nanoparticles. <b>2022</b> , 275, 115501	1
350	Studies on multiferroic properties of (1-x)BiFeO3-(x)KNbO3 composites. <b>2020</b> ,	
349	Multiferroic and Ferroelectric Rashba Semiconductors. <b>2020</b> , 375-400	O
348	Strain Control of Domain Structures in Ferroelectric Thin Films: Applications of Phase-Field Method. <b>2020</b> , 1213-1230	O
347	Influencia de la ferrita de cobalto en la propiedades magnetoelEtricas de las pelEulas delgadas de ferrita de bismuto depositadas por spin coating. <b>2020</b> , 25,	O
346	Improved magnetic and electrical characteristics of co doped Bi0.80Ba0.10Nd0.10FeO3 ceramics. <b>2020</b> ,	
345	A pulsed high magnetic field facility for electric polarization measurements. <b>2020</b> , 69, 057502	O
344	Structural and magnetic properties of transition metal doped BaTiO3. <b>2020</b> ,	2
343	Crystal Structure and Microstructure Variation of Nonstoichiometric Bi1-xFeO3-and Ti-doped BiFeO3 Ceramics under Various Sintering Conditions. <b>2020</b> , 30, 61-67	
342	Toxicity Assessment of Nanoferrites. <b>2021</b> , 233-314	1
341	Polarization Induced Multiferroic Bismuth Ferrite Nanostructures: Investigation of Dielectric and Magnetic Properties. <b>2021</b> ,	

340	Progress in Vacuum Flashover Mechanism: Validity of ETPR Theory. 2021,	О
339	Optoelectronic Functionality of BiFeO 3 BrTiO 3 Interface. 2100665	3
338	Trends of complete anion substitution on electronic, ferroelectric, and optoelectronic properties of BiFeX3 (X = O, S, Se, and Te). <b>2021</b> , 11, 115108	
337	Doping Independent Work Function and Stable Band Gap of Spinel Ferrites with Tunable Plasmonic and Magnetic Properties. <b>2021</b> , 21, 9780-9788	3
336	Model-based analysis of the ferroelectric response of multiferroic (1-x)BiFeO3-xPbTiO3 solid solution thin films around morphotropic phase boundary <b>2021</b> , 741, 138995	
335	The effect of thickness-dependent strain relaxation on magnetoelectric behaviors for highly c-axis oriented BiFeO3 films on Si substrate. <b>2021</b> , 545, 168739	
334	All-optical tunable terahertz modulator based on a BiFeO3/Si heterostructure. <b>2020</b> , 10, 2919	1
333	Multiferroic Properties of Rare Earth-Doped BiFeO3 and Their Spintronic Applications. <b>2021</b> , 375-395	O
332	Lanthanum and strontium modified bismuth ferrite based perovskites with ultra-narrow band gaps. <b>2020</b> , 7, 106303	O
331	Effects of defect on thermal stability and photoluminescence in quenched Ho-doped 0.94Na0.5Bi0.5TiO30.06BaTiO3 lead-free ceramics. <b>2021</b> , 36, 1-9	
330	Pressure induced phase transition of La-substituted BiFeO3. <b>2022</b> , 341, 114595	O
329	Influence of cerium substitution on structural and dielectric properties of the modified BiFeO3-PbTiO3 ceramics. <b>2021</b> , 583, 19-32	3
328	Improved energy storage performances of lead-free BiFeO3-based ceramics via doping Sr0.7La0.2TiO3. <b>2021</b> , 162795	3
327	Preparation and photoelectric properties of Bi doped ZnO nanoarrays. 2021, 162801	O
326	Multi-objective Bayesian optimization of ferroelectric materials with interfacial control for memory and energy storage applications. <b>2021</b> , 130, 204102	O
325	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. <b>2021</b> , 104,	O
324	Structural, electrical, and magnetic study of La-, Eu-, and Er- doped bismuth ferrite nanomaterials obtained by solution combustion synthesis. <b>2021</b> , 11, 22746	1
323	Structural, morphological and thermal analysis of pure and doped (Ho/Nd)-BFO multiferroics. <b>2021</b> , 2070, 012008	О

322	Interface engineering to optimize polarization and electric breakdown strength of Ba2Bi3.97Pr0.03Ti5O18/BiFeO3 ferroelectric thin-film for high-performance capacitors. <b>2021</b> , 133676	2
321	Magnetic Behaviour of Perovskite Compositions Derived from BiFeO3. <b>2021</b> , 7, 151	О
320	Disentangling the phase sequence and correlated critical properties in Bi0.7La0.3FeO3 by structural studies. <b>2021</b> , 104,	
319	Crafting a Next-Generation Device Using Iron Oxide Thin Film: A Review. <b>2021</b> , 21, 7326-7352	3
318	Multiferroic behavior of the functionalized surface of a flexible substrate by deposition of Bi O and Fe O. <b>2021</b> ,	4
317	Facile synthesis of pure BiFeO3 and Bi2Fe4O9 nanostructures with enhanced photocatalytic activity. 1	O
316	Tuning piezoelectric driven photocatalysis by La-doped magnetic BiFeO3-based multiferroics for water purification. <b>2021</b> , 106792	10
315	First-principles Study on Piezoelectricity and Spontaneous Polarization in Bi(Fe,Co)O3. <b>2021</b> , 90,	
314	Multiferroic Material Bismuth Ferrite (BFO): Effect of Synthesis. 2021, 143-165	
313	Study of Structural, Electrical and Magnetic Properties of Nd-Ti Co-Doped BiFeO3 Nanoparticles. <b>2021</b> , 387-393	
312	Developing sustainable, high-performance perovskites in photocatalysis: design strategies and applications. <b>2021</b> ,	10
311	Magnetoelectrics and Multiferroics. <b>2021</b> , 595-623	
310	Influence of preparation method on phase formation, structural and magnetic properties of BiFeO3. 1	1
309	Effects of Mn doping on electrical properties of BiFeO3BrTiO3 solid solution. 2022, 343, 114652	Ο
308	Magnetoelectric coupling in Sm substituted 0.67BiFeO3- 0.33BaTiO3 ceramics. 2022, 901, 163681	0
307	Enhanced electrical properties of (Zn, Mn)-modified BiFeO3BaTiO3 lead-free ceramics prepared via solgel method and two-step sintering. 2022, 899, 163387	3
306	Shift of Neel temperature in (BiFeO3)1-x/(BaTiO3)x composites. <b>2021</b> , 584, 31-38	
305	Designing new polar materials. 2022,	

304	Design of multifunctional magnetoelectric particulate nanocomposites by combining piezoelectric and ferrite phases. <b>2022</b> , 345-357	
303	Mechanism of improving ferroelectric properties of BiFe0.98M0.02O3 (M = Zn, Al, Ti) polycrystalline films. <b>2022</b> , 101, 420	
302	Control of ferroelectric and ferromagnetic domains in BiFe0.9Co0.1O3 thin films by utilizing trailing fields. <b>2022</b> , 15, 023002	0
301	Plug and Play Electrodeposition Cell: A Case Study of Bismuth Ferrite Thin Films for Photoelectrochemical Water Splitting. <b>2022</b> , 11, 013006	
300	Reduced leakage current and excellent thermal stability in lead-free BiFeO3BaTiO3-based piezoelectric ceramics. <b>2022</b> , 33, 3949	1
299	Efficient Charge Storage Capability of BiFeO3-Based Bi-Phase Nanocomposites. <b>2022</b> , 11, 023001	Ο
298	Enhanced ferroelectric and piezoelectric properties of BiFeO3BaTiO3 lead-free ceramics by simultaneous optimization of Bi compensation and sintering conditions. <b>2022</b> ,	0
297	Symmetry Analysis of Magnetoelectric Effects in Perovskite-Based Multiferroics <b>2022</b> , 15,	Ο
296	Composition and Structure Optimized BiFeO -SrTiO Lead-Free Ceramics with Ultrahigh Energy Storage Performance <b>2022</b> , e2106515	16
295	Lanthanum-Induced Morphotropic Phase Boundary in BiFeO 3 <b>B</b> aTiO 3 -Based Lead-Free Piezoelectric Ceramics. 2100747	Ο
294	Synergistic magnetic proximity and ferroelectric field effect on a 2H-VS2 monolayer by ferromagnetic termination of a BiFeO3(0001) surface. <b>2022</b> , 10, 1498-1510	2
293	Phase-Field Simulations of Tunable Polar Topologies in Lead-Free Ferroelectric/Paraelectric Multilayers with Ultrahigh Energy Storage Performance <i>Advanced Materials</i> , <b>2022</b> , e2108772	6
292	Temperature and Frequency Dependence of Negative Capacitance, Dielectric and Electric Properties in La0.57Nd0.1Sr0.13Ag0.2MnO3 Ceramic. <b>2022</b> , 206, 250-268	0
291	Materials for a Sustainable Microelectronics Future: Electric Field Control of Magnetism with Multiferroics <b>2022</b> , 1-23	O
290	A novel bentonitedobalt doped bismuth ferrite nanoparticles with boosted visible light induced photodegradation of methyl orange: synthesis, characterization and analysis of physiochemical changes. 1-16	4
289	Enhanced Multiferroic Properties in Er and Mn Co-Doped BiFeO3 Nanoparticles. 1	Ο
288	Strain and orientation engineering in ABOperovskite oxide thin films 2022,	3
287	Complementary Insights from Neutron and Resonant X-Ray Reflectometry for the Study of Perovskite Transition Metal Oxide Heterostructures. 2100253	1

286	Studies of structural, dielectric and electrical characteristics of nickel-modified barium titanate for device applications. <b>2022</b> , 33, 1657-1669	3
285	DFT study of X-site ion substitution doping of Cs 2 PtX 6 on its structural and electronic properties.	2
284	Rare earth-based ceramic nanomaterials hanganites, ferrites, cobaltites, and nickelates. <b>2022</b> , 205-230	
283	Self-Poled Heteroepitaxial Bi (1៤) Dy x FeO 3 Films with Promising Pyroelectric Properties. 2101539	1
282	Ferroic phase transition molecular crystals.	4
281	Unveiling the Electrochemical Mechanism of High-Capacity Negative Electrode Model-System BiFeO in Sodium-Ion Batteries: An In Operando XAS Investigation <b>2022</b> ,	1
280	Electrical studies of Pb0.6Bi0.4Fe0.7Nb0.3O3 multiferroic. <b>2022</b> ,	О
279	Comments on the paper <b>E</b> ffect of holmium (Ho) partial substitution in structure and ferroelectric properties of bismuth ferrites (BFO)[by S.G. Nair et al <b>2022</b> , 903, 163875	
278	Enhanced UV photosensing properties by field-induced polarization in ZnO-modified (Bi0.93Gd0.07)FeO3 ceramics. <b>2022</b> , 902, 163779	2
277	Synthesis and Optimization of BiFeO3 and La-Doped BiFeO3 Prepared by the Solid State Reaction Method. <b>2022</b> , 593-598	
276	Magnetic dipolar correlations in sillenite-structure bismuth ferrite: Magnetic and MBsbauer effect studies. <b>2022</b> , 164, 110632	O
275	Compositional dependence of structural, magnetic and spin-phonon coupling properties in Fe2-xGaxO3 ( $x = 0.6-1.2$ ) system with orthorhombic symmetry. <b>2022</b> , 905, 164164	O
274	Influence of Electric Poling on Pb0.9Bi0.1Fe0.55Nb0.45O3 Multiferroic. 1	
273	Large-Scale Epitaxial Growth of Ultralong Stripe BiFeO Films and Anisotropic Optical Properties <b>2022</b> ,	
272	Magnetically controlled insertion of cobalt ferrite nanoparticles into a porous anodic aluminum oxide (AAO) membrane. 1	
271	Analysis of size-dependent variation in nonlinear absorption coefficient of multiferroic bismuth ferrite nanoparticles synthesized at different sintering temperature.	O
270	Unique multiferroics with tunable ferroelastic transition in antiferromagnet Mn2V2O7. <b>2022</b> , 23, 100623	0
269	Modeling of Ferroelectric Oxide Perovskites: From First to Second Principles. <b>2022</b> , 13,	2

Tuning the Magnetisation in 0.7pbfe0.5nb0.5o3 -0.3bifeo3 Multiferroic by Electric Poling.

267	Electrical Properties of the Polycrystalline BiFe0.95Co0.05O3 Films. <b>2021</b> , 63, 897-903	1
266	Dy-Doped BiFeO3 thin films: piezoelectric and bandgap tuning.	1
265	Multiferroic bismuth ferrite nanomagnets as potential candidates for spintronics at room temperature. <b>2022</b> , 55, 42-45	O
264	Hot hole transfer from Ag nanoparticles to multiferroic YMn2O5 nanowires enables superior photocatalytic activity. <b>2022</b> , 10, 4128-4139	0
263	Phase engineered gallium ferrite: a promising narrow bandgap, room-temperature ferroelectric.	1
262	New multiferroic BiFeO with large polarization 2022,	0
261	The comparison of optical and microstructure properties of BiFeO3, Bi0.9Pr0.1FeO3 and BiFe0.9Mn0.1O3 films fabricated via chemical solution deposition (CSD). <b>2022</b> ,	
260	Experimental and Theoretical Investigations of Low-Dimensional BiFeO3 System for Photocatalytic Applications. <b>2022</b> , 12, 215	1
259	In-plane magnetization and electronic structures in BiFeO3/graphene superlattice. <b>2022</b> , 120, 084002	o
258	Crossover between Bulk and Interface Photovoltaic Mechanisms in a Ferroelectric Vertical Heterostructure. <b>2022</b> , 17,	1
257	Electron density distribution influencing the electrical and magnetic properties of polycrystalline Bi0.9Sm0.1FeO3 ceramics. <b>2022</b> , 113, 278-286	O
256	Enhanced dielectric, ferroelectric, and ferromagnetic properties of 0.7Bi1Im FeO3I.3BaTiO3 ceramics by Tm-induced structural modification. <b>2022</b> ,	О
255	Light-enhanced gating effect at the interface of oxide heterostructure. <b>2022</b> , 55, 255301	O
254	Strong magnetoelectric coupling at an atomic nonmagnetic electromagnetic probe in bismuth ferrite. <b>2022</b> , 105,	1
253	Multiferroic behaviour in <b>B</b> idoped solid solution SmFeO3-BaTiO3 perovskite system. <b>2022</b> ,	O
252	Enhanced electrical properties of 0.7BiFeO30.3BaTiO3 lead-free ceramics obtained by optimizing the calcination temperature and time. 1	0
251	Hybrid improper dipolar density wave in NaLaCoWO6. <b>2022</b> , 6,	

250	Conduction mechanisms in thin (0.6)BiFeO3-(0.4)PbTiO3 films. 2022, 17, 2888-2896	O
249	Sm-Eu Co-Doped BiFeO3 Nanoparticles With Superabsorption and Electrochemical Oxygen Evolution Reaction. 10,	
248	Observation of Anomalously Large Magnetoelectric Coupling in the Hexagonal Z-Type Ferrite Films. 2101294	0
247	Exploring far-from-equilibrium ultrafast polarization control in ferroelectric oxides with excited-state neural network quantum molecular dynamics <b>2022</b> , 8, eabk2625	1
246	Domain-wall-induced electromagnons in multiferroics. <b>2022</b> , 6,	O
245	Symmetry evolution and modulation of multiferroic characteristics in Bi1⊠LaxFeO3 ceramics. <b>2022</b> , 120, 132904	O
244	Zr and Mo doped YMnO3: The role of dopants on the structural, microstructural, chemical state, and dielectric properties. <b>2022</b> ,	0
243	Piezoelectric Materials: Properties, Advancements, and Design Strategies for High-Temperature Applications <b>2022</b> , 12,	2
242	Structural and electrical properties of Ca doped BiFeO3 multiferroic nanomaterials prepared by sol-gel auto-combustion method. <b>2022</b> , 100465	1
241	A comparative study of the lattice structure, optical band gap, electrical conductivity and polarization at different stages of the heat treatment of chemical routed Al(OH)3. <b>2022</b> , 48, 10677-10687	1
240	Impact of electric poling on structure, magnetism and ferroelectricity of 0.7PbFe0⑤Nb0⑥O3 -0.3BiFeO3 multiferroic. <b>2022</b> , 114766	
239	Effects of Surface Polarity on the Structure and Magnetic Properties of Epitaxial h-YMnO3 Thin Films Grown on MgO Substrates.	1
238	Neutron powder-diffaction study of phase transitions in strontium-doped bismuth ferrite: 1. Variation with chemical composition <b>2022</b> ,	
237	Theoretical study on the multiferroic materials In2FeX ( $X=V$ , Cr, Mn, Co, and Ni) O6 for high photovoltaics and photocatalysis performance. <b>2022</b> , 35, 105368	O
236	What ails the photovoltaic performance in single-layered unpoled BFO? IThe role of oxygen annealing in improving the photovoltaic efficiency. <b>2022</b> , 236, 822-831	О
235	Chemical solution deposition of single phase BiFeO 3 thin films on transparent substrates.	O
234	Microwave-Assisted Solvothermal Route for One-Step Synthesis of Pure Phase Bismuth Ferrite Microflowers with Improved Magnetic and Dielectric Properties <b>2022</b> , 7, 12910-12921	2
233	Ferromagnetic properties of conducting filament nanodots formed on epitaxial BiFeO3 thin film. <b>2022</b> , 18, 2232-2239	Ο

232	Great ferroelectric properties and narrow bandgaps of BiFeO3 thin films by (Mg, Mn) modifying. <b>2022</b> , 586, 152751	1
231	Large electric field driven strain and enhanced multiferroic properties of Ce3+/BiFeO3Nano photo-catalyst. <b>2022</b> , 144, 106576	Ο
230	Controllable electrical, magnetoelectric and optical properties of BiFeO3 via domain engineering. <b>2022</b> , 127, 100943	4
229	Effect of Nd doping on structural, dielectric, magnetic and ferroelectric properties of 0.8BiFeO3D.2PbTiO3 solid solution. <b>2022</b> , 905, 164228	O
228	Auto-combustion synthesis as a method for preparing BiFeO3 powders and flexible BiFeO3/PVDF films with improved magnetic properties. Influence of doping ion position, size and valence on electric properties. <b>2022</b> , 280, 115686	0
227	Highly (00l)-textured BiFeO3 thick films integrated on stainless steel foils with an optimized piezoelectric performance. <b>2022</b> , 42, 3454-3462	1
226	A review on the structural and magnetic properties of differently doped bismuth-ferrite multiferroics. <b>2021</b> , 27, 178-205	0
225	Crystal Structure, Rietveld Refinement and Improved Dielectric and Magnetic Properties of Ti Doped Bi0.90Pr0.10Fe1-xTixO3 Multiferroic Ceramics. <b>2021</b> , 221, 100-113	
224	Nanoscale Multiferroic Properties at Room Temperature of Lead Zirconate Titanate Iron Tantalate for Memory Device Applications. <b>2021</b> , 221, 53-63	Ο
223	Anti-polar state in BiFeO3/NdFeO3 superlattices. <b>2021</b> , 130, 244101	
223	Anti-polar state in BiFeO3/NdFeO3 superlattices. 2021, 130, 244101  Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. 2021, 57, 1340-1366	0
	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic	О
222	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. <b>2021</b> , 57, 1340-1366  Deterministic Dual Control of Phase Competition in Strained BiFeO3: A Multiparametric Structural	3
222	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. <b>2021</b> , 57, 1340-1366  Deterministic Dual Control of Phase Competition in Strained BiFeO3: A Multiparametric Structural Lithography Approach. <b>2022</b> , 5, 60-66	
222	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. 2021, 57, 1340-1366  Deterministic Dual Control of Phase Competition in Strained BiFeO3: A Multiparametric Structural Lithography Approach. 2022, 5, 60-66  Photovoltaic-Ferroelectric Materials for the Realization of All-Optical Devices. 2022, 10, 2102353  Complex Structural Disorder in a Polar Orthorhombic Perovskite Observed through the Maximum	
222 221 220 219	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. 2021, 57, 1340-1366  Deterministic Dual Control of Phase Competition in Strained BiFeO3: A Multiparametric Structural Lithography Approach. 2022, 5, 60-66  Photovoltaic-Ferroelectric Materials for the Realization of All-Optical Devices. 2022, 10, 2102353  Complex Structural Disorder in a Polar Orthorhombic Perovskite Observed through the Maximum Entropy Method/Rietveld Technique. 2022, 34, 29-42  Synthesis and Investigation of Structural and Magnetic Properties of Nickel Doped BiFeO3. 2021,	
222 221 220 219 218	Multiferroic Nanocrystals and Diluted Magnetic Semiconductors as a Base for Designing Magnetic Materials. 2021, 57, 1340-1366  Deterministic Dual Control of Phase Competition in Strained BiFeO3: A Multiparametric Structural Lithography Approach. 2022, 5, 60-66  Photovoltaic-Ferroelectric Materials for the Realization of All-Optical Devices. 2022, 10, 2102353  Complex Structural Disorder in a Polar Orthorhombic Perovskite Observed through the Maximum Entropy Method/Rietveld Technique. 2022, 34, 29-42  Synthesis and Investigation of Structural and Magnetic Properties of Nickel Doped BiFeO3. 2021, 11, 2737-2745  Hydrogen Production through Catalytic Water Splitting Using Liquid-Phase Plasma over Bismuth	3

214	Solvent Selective Effect Occurs in Iodinated Adamantanone Ferroelectrics 2022, e2201702	1
213	Study of structural, electrical and magnetic characterization of (1-x)BiFeO3-xBaTiO3 solid solution. <b>2022</b> , 587, 63-69	
212	Ca Solubility in a BiFeO-Based System with a Secondary BiO Phase on a Nanoscale <b>2022</b> , 126, 7696-7703	0
211	Influence of sintering temperature on structural, electrical, and magnetoelectric properties of multiferroic Fe-substituted BaTiO3 ceramics. <b>2022</b> , 128,	1
210	Enhanced electromagnetic interference (EMI) shielding in BiFeO3graphene oxide nanocomposites over X-band frequency region. <b>2022</b> , 131, 174101	0
209	Synergistic effect of V2O5 and Bi2O3 on the grain boundary structure of high-frequency NiCuZn ferrite ceramics. 1	O
208	Magnetic Topological Insulators Nano-Crystallites Fe1.4Bi0.6Se2.5Y0.5Prx: Preparation, Characterization and Physical Properties.	
207	High depolarization temperature and superior piezoelectric performance with complex structural evolution in BiFeO3PbTiO3[5r0.7Bi0.2?0.1)TiO3 systems. <b>2022</b> ,	1
206	Structural phase transition, phase purity, inter-/intra-grain electrical parameters and local energy barrier profile as a function of aliovalent and isovalent substitution in BiFeO3. <b>2022</b> , 167, 110748	
205	Ferroelectric and piezoelectric characteristics of epitaxial BiFeO3 films sputtered on different oxide bottom electrodes. <b>2022</b> , 320, 132387	
204	Magnetic properties of Ni/BiFeO3 hybrid nanostructures. <b>2022</b> , 912, 165133	1
203	A study of Cr3+-substitution induced defects restructuring in BiFeO3 by positron annihilation and other supportive methods. <b>2022</b> , 142, 115286	
202	A comparative study of structural and multiferroic properties of Ca, Sr and Ba doped 0.2BiFeO30.8PbTiO3 solid solutions. <b>2022</b> , 111983	
201	Structural modification and evaluation of dielectric, magnetic and ferroelectric properties of Nd-modified BiFeO3 IPbTiO3 multiferroic ceramics. <b>2022</b> , 589, 161-176	O
200	Energy storage performance of polycrystalline Bi0.85Ho0.05Sm0.1FeO3 ceramics. <b>2022</b> , 589, 55-63	1
199	Electric conductivity and dielectric relaxation properties of BiFeO3-YMnO3 solid solution. <b>2022</b> , 589, 103-122	O
198	Effect of thickness and frequency of applied field on the switching dynamics of multiferroic bismuth ferrite thin films. <b>2022</b> , 6,	2
197	Thickness-dependent dielectric and ferroelectric properties of 0.7Bi(Fe0.98Mn0.02)O3-0.3PbTiO3 thin films on stainless steel substrates.	

196	Reduction inhibition of Fe3+ ions in Mn-doped 0.7BiFeO3-0.3BaTiO3 ceramics by direct reaction sintering. <b>2022</b> ,	O
195	Investigations of structural and optoelectronic properties of bismuth ferrite nanoparticles synthesized using sol-gel method. <b>2022</b> ,	
194	Science and Technology of Complex Correlated Oxides: The Legacy of John Goodenough.	
193	Study of the role of dysprosium substitution in tuning structural, optical, electrical, dielectric, ferroelectric, and magnetic properties of bismuth ferrite multiferroic. <b>2022</b> , 165743	1
192	Exploring the correlation between the spin-state configuration and the magnetic order in Co-substituted BiFeO3. <b>2022</b> , 6,	O
191	Robust ferroelectric-gating-dependent electronic and magnetic properties in a 1T-VSe2/BiAlO3(0001) multiferroic heterostructure. <b>2022</b> , 26, 100743	
190	BiFeO3/Fe2O3 electrode for photoelectrochemical water oxidation and photocatalytic dye degradation: A single step synthetic approach. <b>2022</b> , 303, 135071	1
189	Internal friction in thin-film ferrite bismuth with an amorphous structure. <b>2022</b> , 918, 165610	O
188	Hidden piezoelectric performances of BiFeO3-based textured ceramics.	
187	Bismuth ferrite (BiFeO3) perovskite-based advanced nanomaterials with state-of-the-art photocatalytic performance in water cleanup.	1
186	Modeling and Design for Magnetoelectric Ternary Content Addressable Memory (TCAM). 2022, 1-1	1
185	Giant bulk photovoltaic effect driven by the wall-to-wall charge shift in WS2 nanotubes. <b>2022</b> , 13,	1
184	Solution-Based Synthesis Routes for the Preparation of Noncentrosymmetric 0-D Oxide Nanocrystals with Perovskite and Nonperovskite Structures. 2200992	
183	Enhanced magnetoelectric response of Mn-doped BiFeO3-based multiferroic ceramics.	
182	Proximity Effects in 2D VSe2 Magnets via Interface Coupling with a BiFeO3(0001) Ferromagnetic Surface.	O
181	Importance of Hubbard U parameter to explore accurate electronic and optical behaviour of BiFeO3.	
180	All-Magnetic Slabs and Multiferroism in (Bi2⊠O2)(MF4) Aurivillius Oxyfluorides (M = Fe and Ni).	O
179	Study on electrical transport and relaxation process of ceramic-based nanocomposites of (1 $\square$ ) BiFeO3-xCoFe2O4 (x = 0.0, 0.2, 0.5, 0.8, 1.0). <b>2022</b> , 102, 665-678	

178	XPS Study in BiFeO3 Surface Modified by Argon Etching. 2022, 15, 4285	О
177	The rise of 2D materials/ferroelectrics for next generation photonics and optoelectronics devices. <b>2022</b> , 10, 060903	3
176	Lead-Free BiFeO3-Based Piezoelectrics: A Review of Controversial Issues and Current Research State. <b>2022</b> , 15, 4388	1
175	Structural and dielectrical analysis of rare earth doped bismuth ferrite nanoparticle at high frequency. <b>2022</b> ,	
174	Tutorial: Piezoelectric and magnetoelectric N/MEMSMaterials, devices, and applications. <b>2022</b> , 131, 241101	1
173	Typical superparamagnetism with improved electrical properties of nano modified bismuth ferrite multiferroic composites. <b>2022</b> , 99, 100565	O
172	Improved optical, dielectric, impedance, and magnetic properties of (BiFeO3)0.6(CaTiO3)0.4 for multifunctional utilities. <b>2022</b> , 142, 109664	0
171	An exploration for new strategy: Achieving both excellent temperature stability and good electrostrain in BiFeO3 <b>B</b> aTiO3-based relaxor ferroelectrics by domain engineering. <b>2022</b> , 27, 100747	
170	Influence of Eu3+ substitution on structural, magnetic and dielectric properties of Bi0.9La0.1FeO3. <b>2022</b> , 560, 169350	
169	Flux Crystal Growth of Rubidium-Iron Silicates and Germanates and Their Ion-Exchange Using Alkali Nitrate Salts.	
168	Magnetoelectric ferrite nanocomposites. <b>2022</b> , 301-367	
167	Structural, Magnetic and Transport Properties of Gd and Cu Co-Doped BiFeO&lt;sub&gt;3&lt;/sub&gt; Multiferroics. <b>2022</b> , 10, 2026-2039	0
166	Comparative density functional studies of BiMO3 polymorphs ( $M = Al$ , $Ga$ , $In$ ) based on LDA, $GGA$ , and meta- $GGA$ functionals.	0
165	Influence of IRadiation on the Crystal Structure of BiFeO3. <b>2022</b> , 67, 588-597	O
164	Evidence for negative differential resistance and switchable diode effect in multiferroic BiFe0.95Sc0.05O3-based resistive random access memory under doping engineering. <b>2022</b> , 33, 15848-15857	
163	Structural, magnetic, optical, and photocatalytic properties of Ca®i doped BiFeO3 nanoparticles. <b>2022</b> , 33, 16856-16873	
162	Enhanced multiferroic properties and magnetoelectric coupling in Nd modified 0.7BiFeO3D.3PbTiO3 solid solution. <b>2022</b> , 33, 17161-17173	
161	Enhanced dielectric and magnetic properties of Cr / Co and Mn co-doped single phase multiferroic bismuth ferrite nanoparticles. <b>2022</b> , 100649	O

160	Structural characteristics, impedance spectroscopy, ac-conductivity and dielectric loss studies on RF-magnetron sputtered F doped ZnO (FZO) thin films. <b>2022</b> ,	
159	Ti doping and low-temperature sintering of BiFeO3 nanoparticles synthesized by the solvothermal method. <b>2022</b> ,	О
158	Coupling of piezocatalysis and photocatalysis for efficient degradation of methylene blue by Bi0.9Gd0.07La0.03FeO3 nanotubes. <b>2022</b> , 11, 1069-1081	1
157	The Effect of Bi2O3 and Fe2O3 Impurity Phases in BiFeO3 Perovskite Materials on Some Electrical Properties in the Low-Frequency Field. <b>2022</b> , 15, 4764	
156	Ferromagnetic Ordering with High Curie Temperature in a New Pr2FeNiO6 Double Perovskite Material.	
155	Freestanding complex-oxide membranes. <b>2022</b> , 34, 383001	1
154	Lead-free [Taldoped Bi0.80La0.20FeO3 multiferroic material for solar cell applications. 2022,	
153	Physical characterization of BiFeO 3 -based thin films with enhanced properties for photovoltaic applications.	o
152	Fantastic Energy Storage Performances and Excellent Stability in BiFeO3BrTiO3-Based Relaxor Ferroelectric Ceramics.	1
151	Green Synthesis of Sr2+ doped multiferroic BiFeO3 nanoceramics using Aloe vera biotemplates and their characterizations. <b>2022</b> , 166107	О
150	Effects of Sm and Cr co-doping on structural, magnetic, optical and photocatalytic properties of BiFeO3 nanoparticles. <b>2022</b> , 283, 115859	0
149	Studies on characterization and enhanced magnetic field sensing performance of Bi1-xKxMn1-yCoyO3 nanopowders as a fiber optic clad modified region. <b>2022</b> , 560, 169683	
148	Ferroelectric control of band alignments and magnetic properties in the two dimensional multiferroic VSe2/In2Se3.	
147	General aspects of the physical behavior of polycrystalline BiFeO3/VO2 bilayers grown on sapphire substrates. <b>2022</b> , 128,	O
146	Spin glass and magnetoelectric effect in BiFeO3-Bi0.5K0.5TiO3-Bi0.5Na0.5TiO3 single crystals. <b>2022</b> , 132, 044101	
145	James Floyd Scott. 4 May 1942B April 2020.	
144	Synthesis and characterization of Bi1☑ La x FeO3 multiferroic thin films. <b>2022</b> , 2298, 012016	
143	Emergence of low-temperature glassy dynamics in Ru substituted non-magnetic insulator CaHfO3. <b>2022</b> , 34, 415802	

142 Complex dielectric behaviours in BiFeO3/Bi2Fe4O9 ceramics.

141	BiFeO3/Bi2Fe4O9 S-scheme heterojunction hollow nanospheres for high-efficiency photocatalytic o-chlorophenol degradation. <b>2022</b> , 121893	3
140	Growth of heteroepitaxial La and Mn co-substituted BiFeO3 thin films on Si (100) substrate by pulsed laser deposition. <b>2022</b> , 128,	
139	Temperature dependence of the local electromagnetic field at the Fe site in multiferroic bismuth ferrite. <b>2022</b> , 106,	O
138	Temperature-Driven Transformation of the Crystal and Magnetic Structures of BiFe0.7Mn0.3O3 Ceramics. <b>2022</b> , 12, 2813	0
137	Study of new double perovskite halides Rb2Ti(Cl/Br)6 for solar cells and thermoelectric applications. <b>2022</b> , 32, 104106	o
136	Multiferroic Self-Assembled BaTiO3He Vertically Aligned Nanocomposites on Mica Substrates toward Flexible Electronics. <b>2022</b> , 4, 4077-4084	
135	Electric and magnetic properties of Bi 0.80 Ba 0.20 FeO 3 doped Ba 0.85 Ca 0.15 Ti 0.90 Zr 0.10 O 3 ceramics prepared via the solid-state combustion technique.	
134	Direct fabrication of single-phase multiferroic BiFe0.95Co0.05O3 films on polyimide substrates for flexible memory. <b>2022</b> , 758, 139424	0
133	A review on recent progressions of Bismuth ferrite modified morphologies as an effective photocatalyst to curb water and air pollution. <b>2022</b> , 144, 109834	1
132	Superior high-temperature piezoelectric performances in BF-PT-BT ceramics via electric field constructed phase boundary. <b>2022</b> , 239, 118285	О
131	Enhanced ferroelectric, dielectric and magnetodielectric properties of Ba and Y co-doped Bismuth Ferrite nanoparticles. <b>2022</b> , 645, 414243	
130	Flux crystal growth of rubidium <b>[</b> ron silicates and germanates and their ion-exchange using alkali nitrate salts. <b>2022</b> , 132, 106995	О
129	Barium titanateBismuth ferrite/polyvinylidene fluoride nanocomposites as flexible piezoelectric sensors with excellent thermal stability. <b>2022</b> , 346, 113885	O
128	Influence of substitution of different transition metal elements (Mn, Cr, Co) on the properties of Bi0.88Sm0.12FeO3-based ceramics. <b>2022</b> , 563, 169922	O
127	Effectively coupled BiFeO3-MnFe2O4-Cr2O3 tri-phase multiferroic composites for efficient energy storage and fast switching. <b>2022</b> , 929, 167274	1
126	Influence of Tb substitution on the structural and magnetic properties of BiFeO3 multiferroic. <b>2022</b> , 563, 169947	1
125	The correlation between electric polarization and magnetic properties in [N(C2H5)4]2CoCl2Br2 crystal at low temperatures. <b>2022</b> , 646, 414299	O

124	Structural transition and enhanced magnetic, optical and photocatalytic properties of novel Ce <b>N</b> i co-doped BiFeO3 nanoparticles. <b>2022</b> , 152, 107086	1
123	Implementing (K,Na)NbO3-based lead-free ferroelectric films to piezoelectric micromachined ultrasonic transducers. <b>2022</b> , 103, 107761	1
122	Magnetoelectric coupling at microwave frequencies observed in bismuth ferrite-based multiferroics at room temperature. <b>2023</b> , 137, 100-103	0
121	AC conductivity and phase transition of the BST <b>B</b> FO ceramic doped with Yb. <b>2022</b> , 12, 27154-27161	O
120	<del>即画画</del> BFO/SBN/MgO(001), " <del>图尼·<b>克· 2022</b>,</del> 19-24	0
119	Recent Progress and Applications of HfO2-Based Ferroelectric Memory. <b>2023</b> , 28, 221-229	1
118	Crystal structure of the system of (1-y)(BiFeO<sub>3</sub>TiO<sub>1-x</sub>Sr<sub>x</sub>TiO<sub&gtsolid solution <b>2022</b> , 66, 397-403	t;3
117	Formation of ferroelectric multi-domains and electrical conduction in epitaxial BiFeO3 nanodots fabricated with AAO nanotemplates. <b>2022</b> ,	O
116	Room temperature tunability of ferroelectricity and dielectricity in La and Mn codoped BiFeO3 nanoflakes: Implications for electronic devices applications. <b>2022</b> ,	0
115	Magnetocapacitance on the transition fields in Ni2+ doped Y-type hexaferrite Ba0.6Sr1.4Co2Fe11AlO22 obtained by high-energy ball milling. <b>2022</b> ,	O
114	Structural transformation, dielectric and multiferroic properties of (Gd1-Ba)(Fe1-Ti)O3 ceramics by tuning composition. <b>2022</b> ,	0
113	Bipolar resistive switching in Mn-doped BiFeO3 thin films synthesized via solgel-assisted spin coating technique. <b>2022</b> , 128,	O
112	Modulating self-biased near-UV photodetection of Gd-doped bismuth ferrite ceramics by introducing zinc oxide as electron transport layer. <b>2022</b> ,	0
111	Interface-Driven Multiferroicity in Cubic BaTiO3-SrTiO3 Nanocomposites. <b>2022</b> , 16, 15413-15424	2
110	Emergence of collinear magnetic structure in Tb-doped BiFeO3. 2022, 170031	O
109	Enhanced multiferroic properties in Ba and Sm co-doped BiFeO3 ceramics.	O
108	Temperature-Dependent Crystal Structure and Physical Properties of BiFeO3 Bulk Ceramics. <b>2022</b> , 230, 29-39	О
107	Effects of 120 MeV Ag9+ swift heavy ion irradiation on the structural, optical and electrical properties of pristine and Ni doped BiFeO3 thin films grown by pulsed laser deposition. <b>2022</b> , 760, 139487	O

106	Hopping Mechanism and Impedance Properties of Mg Doped NBT-KBT Solid Solution near Ambient Temperature.	О
105	Investigation on the structural, electrical and thermistor parameters of La-doped BiFeO3PbZrO3 for energy storage devices. <b>2022</b> , 45,	2
104	Annealing temperature effects on BiFeO3 nanoparticles towards photodegradation of Eosin B dye. <b>2022</b> , 57, 18726-18738	О
103	Aliovalent Calcium Substitution an Effective way to Enhance the Magnetoelectric Coupling Properties of Multiferroic BiFeO 3.	O
102	Piezoelectric properties of mechanochemically processed 0.67BiFeO3-0.33BaTiO3 ceramics. 2022,	О
101	Morphotropic Phase Boundary Enhanced Photocatalysis in Sm Doped BiFeO3. <b>2022</b> , 27, 7029	O
100	BiFeO3-based Z scheme photocatalytic systems: Advances, mechanism, and applications. <b>2022</b> ,	О
99	First-principles Landau-like potential for BiFeO3 and related materials. <b>2022</b> , 106,	O
98	Rare-earth doped BiFe0.95Mn0.05O3 nanoparticles for potential hyperthermia applications. 10,	О
97	Effective A-site modulation and crystal phase evolution for high ferro/piezoelectric performance in ABO3 compounds: Yttrium-doped BiFeO3-BaTiO3. <b>2023</b> , 933, 167709	О
96	Investigation of crystal structure and variable range hopping conduction mechanism in Gd doped Na0.5Bi0.5TiO3 ceramics. <b>2023</b> , 1274, 134413	О
95	Effect of cobalt substitution on the structural, ferroelectric, and magnetic properties of bismuth ferrite thin films. <b>2022</b> , 132, 194102	1
94	Ferrite-Based Magnetoelectronics. <b>2022</b> , 309-323	О
93	Electrical characteristics of multiferroic BiFeO3 electronic system. 2022,	О
92	Study on quantitative Rietveld analysis of XRD patterns of different sizes of bismuth ferrite. <b>2022</b> , 128,	0
91	Spontaneous exchange bias and large dielectric constant in Bi0.8Tb0.2Fe0.8Mn0.2O3 multiferroic. <b>2022</b> , 132, 183909	О
90	Rietveld refined crystal structure, magnetic, dielectric, and electric properties of Li-substituted Nituzn ferrite and Sm, Dy co-doped BaTiO 3 multiferroic composites. <b>2022</b> ,	0
89	Co-Substituted BiFeO 3 : Electronic, Ferroelectric, and Thermodynamic Properties from First Principles. 2200673	O

88	Mechanisms for point defect-induced functionality in complex perovskite oxides. 2022, 128,	0
87	Norfloxacin mineralization under light exposure using SbBnO2 ceramic anodes coated with BiFeO3 photocatalyst. <b>2023</b> , 313, 137518	Ο
86	Theory of hard magnetic soft materials to create magnetoelectricity. 2023, 171, 105136	1
85	Bottom electrode dependence of electrical and optical properties in Bi0.96Sm0.04Fe0.98Mn0.02O3 films. <b>2023</b> , 155, 107236	O
84	Synthesis, characterization and machine learning assisted optical emission studies of dysprosium doped bismuth ferrites. <b>2023</b> , 160, 112108	0
83	Structural, electrical, and thermistor behavior of BiFeO3-PbZrO3 for energy storage devices. <b>2023</b> , 12, 1-8	O
82	Operational parameters and major active species responsible for the photodegradation of malachite green dye by ZnO/ZnS coreBhell nanocomposite photocatalyst.	О
81	Synthesis and properties of ultra-small BiFeO3 nanoparticles doped with cobalt. 2022,	O
80	Complex dielectric behaviours in BiFeO3/Bi2Fe4O9 ceramics. <b>2022</b> , 128,	0
79	Structural, magnetic, optical, and photocatalytic properties of Bi1-xSmxFe1-yCryO3 nanostructure synthesized by hydrothermal method. <b>2023</b> , 129,	O
78	Low Temperature Magnetic Transition of BiFeO3 Ceramics Sintered by Electric Field-Assisted Methods: Flash and Spark Plasma Sintering. <b>2023</b> , 16, 189	1
77	Pressure-Induced Abnormal Electrical Transport Transition from Pure Electronic to Mixed IonicElectronic in Multiferroic BiFeO3 Ceramics.	O
76	Strain induced structural phase transition and compositional dependent magnetic phase transition in Ti doped Bi0.80Ba0.20FeO3 ceramics. <b>2022</b> , 8, e12530	O
75	Stable self-polarization in lead-free Bi(Fe0.93Mn0.05Ti0.02)O3 thick films.	O
74	Synthesis, structural, micro structural, optical, magnetic and dielectric properties of Nd doped multiferroic Bismuth iron oxide. <b>2022</b> , 100359	0
73	Centrosymmetric Tetragonal Tungsten Bronzes A4Bi2Nb10O30 (A = Na, K, Rb) with a Bi 6s Lone Pair.	О
72	Optical coalition in the electrical and magnetic induction of Dy and Tb-doped BFO-based multiferroic. <b>2023</b> , 129,	О
71	Dielectric characterization of the BiFe0.5Cr0.5O3 ceramics. <b>2022</b> , 62,	0

70	Large increase in photo-induced conductivity of two-dimensional electron gas at SrTiO3 surface with BiFeO3 topping layer. <b>2022</b> , 121, 241601	0
69	High temperature piezoelectric accelerometer fabricated by 0.75BiFeO3 <b>0</b> .25BaTiO3 ceramics with operating temperature over 450 °C. <b>2022</b> , 121, 232902	О
68	Observation of room-temperature out-of-plane switchable electric polarization in supported 3R-MoS 2 monolayers.	O
67	Can the ferroelectric soft mode trigger an antiferromagnetic phase transition?. 2023,	О
66	Effect of BiFeO 3 Doping and Annealing Temperature on the High-Temperature Dielectric Relaxation Properties in BaTiO 3 BrTiO 3 Lead-Free Ceramics. 2200414	0
65	Structure, ferroelectric and magnetic behavior in Mn doped 0.75 BiFeO3-0.25BaTiO3 ceramics. <b>2023</b> , 127302	О
64	Ferroelectric, ferromagnetic and magneto-capacitance properties of Sm-doped BiFeO3-BaTiO3 solid solution. <b>2023</b> , 129,	0
63	Coupling Oxygen Vacancy Gradient Distribution and Flexoelectric Effect for Enhanced Photovoltaic Performance in Bismuth Ferrite Films.	O
62	Enhanced ferroelectric properties in La-doped BiFeO3 films by the sol-gel method.	0
61	Comparative studies by X-ray diffraction, Raman, vibrating sample magnetometer and M\(\bar{\text{B}}\)sbauer spectroscopy of pure, Sr doped and Sr, Co co-doped BiFeO3 ceramic synthesized via tartaric acid-assisted technique. <b>2023</b> ,	O
60	Enhancement in the magneto-dielectric and ferroelectric properties of BaTiO3 ICoFe1.9Yb0.1O4 core-shell multiferroic nanocomposite <b>2023</b> , 168841	0
59	Sn-modified BaTiO3 thin film with enhanced polarization. <b>2023</b> , 41, 022701	О
58	Solvent-Free Combustion-Assisted Synthesis of LaFe0.5Cr0.5O3 Nanostructures for Excellent Photocatalytic Performance toward Water Decontamination: The Effect of Fuel on Structural, Magnetic, and Photocatalytic Properties. <b>2023</b> , 8, 555-570	O
57	Multiferroic/Polymer Flexible Structures Obtained by Atomic Layer Deposition. 2023, 13, 139	O
56	Low Dielectric Permittivity and Losses of BaTi0.80Fe0.20O3 Ceramic Doped with Zr at Ba Site: Comparative Study with Zr Doped in Ti Site. <b>2022</b> , 67, S71-S77	О
55	A brief study on exploration of Ni doped PrFeO3 perovskite as multifunctional material 2023, 34,	O
54	Comparison of the structure-property relationships between sillenite and perovskite phases of Bi0.9Dy0.1FeO3 nanostructures.	O
53	Non-volatile electric field-mediated magnetic anisotropy in CoZr/ PMN-PT structure. 10,	O

52	Perovskite-based emerging memories. 2023, 401-484	O
51	Single Unit-Cell Layered Bi 2 Fe 4 O 9 Nanosheets: Synthesis, Formation Mechanism, and Anisotropic Thermal Expansion. 2207202	O
50	Multiferroic perovskite ceramics: Properties and applications. 2023, 339-381	О
49	A new technique to achieve thick Tl2Ba2CaCu2O8 films for advanced applications. <b>2023</b> ,	O
48	Theoretical insight of origin of Rashba <b>D</b> resselhaus effect in tetragonal and rhombohedral phases of BiFeO3.	O
47	Controlling magnetoelectric coupling effect of CoFe2O4 $f B$ a0.8Sr0.2TiO3 multiferroic fluids by viscosity.	O
46	Improved chemical defects and electrical properties of Li/Al co-doped BiFeO3-BaTiO3 lead-free ceramics. <b>2023</b> , 34,	0
45	Characterization of nanostructured bismuth ferrite (BiFeO3) prepared by sol-gel method. 2023,	O
44	Hydrothermal synthesis of multiferroics ferrite bismuth nanoparticles with lanthanum and barium: structural and magnetic properties investigation. <b>2023</b> , 135505	0
43	Effect of Cooling Rate on the Crystalline Morphology of Bi 2 O 3 -Fe 2 O 3 Pseudo-Binary System.	O
42	Correlation between the unit cell parameters and electronic transitions in Bi1-Eu FeO3 thin films. <b>2023</b> , 300, 127541	O
41	Self-powered dual-wavelength polarization-sensitive photodetectors based on ZnO/BiFeO3 heterojunction. <b>2023</b> , 623, 157032	O
40	Energy storage and magnetoelectric coupling in neodymium (Nd) doped BiFeO3-PbTiO3 solid solution. <b>2023</b> , 946, 169333	O
39	Promotion of photo-induced charge carrier separation in a heterostructure via introducing an enhanced polarization electric field. <b>2023</b> , 35, 105624	O
38	Composition-, temperature- and pressure-induced transitions between high-pressure stabilized perovskite phases of the (1-x)BiFe0.5Sc0.5O3 - xLaFe0.5Sc0.5O3 series. <b>2023</b> , 322, 123937	O
37	Precipitation Method and Sonication Technique for Advanced Superiority of Nanospherical BiFe2O3 and its Multi-Applications. <b>2023</b> , 35, 345-351	O
36	Investigations on Dielectric, Transport, and Ferroelectric Properties of Ca-Modified Bi0.80La0.20FeO3 Ceramic Synthesized by Solid State Reaction Route.	О
35	Gelation Chemistry and Phase Development of Chemical Solution Deposition-Derived Sm-Doped BiFeO3 Thin Films: The Role of Sm Dopant. <b>2023</b> , 5, 1302-1310	О

34	A Ferroelectric Domain-Wall Transistor. <b>2023</b> , 40, 038501	О
33	Magnetic Ordering and Interplay between the Magnetic and Charge Subsystems in New Francisite-Analog Cu 3 Dy(SeO 3 ) 2 O 2 Cl as Studied by the Spectroscopy of Kramers Doublets. 2200460	O
32	Effect of Nd3+ substitution on structural, morphological, and electrical properties of Bismuth Ferrite ceramics. <b>2023</b> , 34,	O
31	Crystal Structure, Magnetic and Photocatalytic Properties of Solid SolutionsBi $2-x$ La $x$ Fe $4$ O $9$ ( $x$ =0.05, 0.1). <b>2023</b> , 8,	O
30	Facile Control of Ferroelastic Domain Patterns in Multiferroic Thin Films by a Scanning Tip Bias. <b>2023</b> , 15, 11983-11993	О
29	A comparative study on structural, magnetic and optical properties of rare earth ions substituted Bi1 $\mathbb{B}$ R x FeO3 (R: Ce3+, Sm3+ and Dy3+) nanoparticles. <b>2023</b> ,	O
28	Investigation on structural, magnetic and optical properties of SmIIo Co-substituted BiFeO3 samples. <b>2023</b> ,	O
27	Revisiting the Ferroelectric Photovoltaic Properties of Vertical BiFeO3 Capacitors: A Comprehensive Study. <b>2023</b> , 15, 12070-12077	O
26	Multiferroic perovskite bismuth ferrite nanostructures: A review on synthesis and applications. <b>2023</b> , 572, 170569	0
25	Growth of Samarium-Substituted Epitaxial Bismuth Ferrite Films by Chemical Vapor Deposition. <b>2023</b> , 23, 2065-2074	O
24	Intersecting multiaxial domain walls in plastic ferroelectric crystal films. 2023, 7,	0
23	Control of multiferroic features in BiFeO3 nanoparticles by facile synthetic parameters. <b>2023</b> , 49, 18552-185	5640
22	Structural and magnetic quantification of rhombohedral ©rthorhombic phase transition in gadolinium substituted bismuth ferrite. <b>2023</b> , 572, 170600	0
21	Effect of nano-size on magnetostriction of BiFeO3 and exceptional magnetoelectric coupling properties of BiFeO3_P(VDF-TrFE) polymer composite films for magnetic field sensor application. <b>2023</b> , 32, 045017	O
20	High Temperature Dielectric Relaxation Properties of SrTiO3-Zn2SnO4 Composite Ceramics. <b>2023</b> , 232, 63-73	0
19	Fine Control of Multiferroic Features of Nanoscale BiFeO3 Powders Synthesized by Microwave-Assisted Solid-State Reaction.	O
18	Multiferroic properties in Fe-site engineered PbFe1/2Nb1/2O3 with distinct antisymmetric spin interaction. <b>2023</b> , 122, 112906	О
17	High-entropy design for dielectric materials: Status, challenges, and beyond. <b>2023</b> , 133, 110904	О

## CITATION REPORT

16	Multiferroics Made via Chemical Co-Precipitation That Is Synthesized and Characterized as $Bi(1M)$ CdxFeO3. <b>2023</b> , 11, 134	О
15	Investigation of structural, microstructural and optical properties of barium yttrium titanium ferric oxides prepared using solid-state route for photorefractive material. <b>2023</b> , 34,	O
14	Multiferroic and nanomechanical properties of Bi1-xYxFeO3 polycrystalline films (x = $0.0\overline{D}$ .1). <b>2023</b> , 34,	O
13	Optimizing Structural, Optical, Dielectric, and Magnetic Properties of (Bi1\(\mathbb{U}\)Lax)FeO3 (0.00 \(\mathbb{k}\) \(\mathbb{D}\) 0.06) Sintered Ceramics. <b>2023</b> , 8, 13222-13231	O
12	Ferromagnetic vanadium disulfide VS2 monolayers with high Curie temperature and high spin polarization. <b>2023</b> , 25, 10143-10154	0
11	Great multiferroic properties in BiFeO3/BaTiO3 system with composite-like structure. <b>2023</b> , 122, 152904	O
10	Structural and Magnetic Properties and Graphene-Induced Photocatalytic Activity of BiFeO3 Ceramics.	0
9	Increasing Electrical Resistivity of P-Type BiFeO3 Ceramics by Hydrogen Peroxide-Assisted Hydrothermal Synthesis. <b>2023</b> , 16, 3130	O
8	Structural, microstructural, dielectric, transport, and optical properties of modified bismuth ferrite.	0
7	Piezoelectric ceramic materials for power ultrasonic transducers. 2023, 65-81	O
6	Novel Insights of Enhanced Magnetization and Magnetoelectric Coupling in the Nanocomposite of BiFeO 3 with Lanthanum Strontium Manganite.	O
5	Magnetic Domain Change Induced by In-Plane Electric Polarization Switching in Bi(Fe, Co)O 3 Thin Film.	O
4	Investigation of the effect of sintering temperatures on the structural and magnetic properties of (Bi0.90Sm0.10Fe0.93Cr 0.07O3) ferrite. <b>2023</b> , 127790	О
3	Experimental and DFT investigation of structural and optical properties of lanthanum substituted bismuth ferrites. <b>2023</b> , 661, 414927	O
2	Temperature Dependence of the Hyperfine Magnetic Field at Fe Sites in Ba-Doped BiFeO3 Thin Films Studied by Emission MBsbauer Spectroscopy. <b>2023</b> , 13, 724	O
1	A generalized synthesis method for freestanding multiferroic two-dimensional layered supercell oxide films via a sacrificial buffer layer.	O