



ANEXA 2

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

1. Structura activității candidatului					
Nr. Crt.	Domeniul activităților	Tipul activității	Categorii și restricții	Subcategorii	Indicatori
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți/capitole ca autor 1) C.E. Ciomaga, L. Mitoseriu, Chapter 21 <i>Ferroelectric Perovskite-Spinel Ferrite Ceramics</i> , book <i>Magnetic, Ferroelectric, and Multiferroic Metal Oxides</i> (ISBN 978-0-12-811180-2), publishing by Elsevier (2017), edited by Professor Biljana Stojanovic.	1.1.1.1 internaționale	0,4
		1.2 Material didactic/Lucrări didactice	1.2.2 Îndrumătoare de laborator/material didactic: Material suport pentru curs în format electronic: <i>Fizica Și Tehnologia Materialelor Nanocompozite</i> (Physics and technology of nanocomposite materials) - http://stoner.phys.uaic.ro/curs_FTMN.pdf și http://stoner.phys.uaic.ro/moodle/course/index.php?categoryid=3		0,2
		1.3 Brevete de invenție	1. L. Mitoseriu, V. Pascariu, C.E. Ciomaga, <i>Compozite feroelectric-rasină epoxidică cu gradient compozițional pentru adaptare de impedanță în domeniul 2 - 4 GHz</i> , Nr. OSIM RO130397-A2 2015. 2. C.S. Olariu, I. V. Ciuchi, L. Mitoseriu, C.E. Ciomaga, <i>Metodă tehnică de determinare a factorului de umplere volumică a fazei minerale din biocompozitele osoase</i> , Nr. OSIM RO130397-A2 2015.	1.3.2 naționale	2x0,2= 0,4



		1.4 Coordonare de programe de studii organizare și coordonare programe de formare continuă și proiecte educaționale. Granturi/Proiecte de cercetare în valoare cumulată de peste 100000 euro, câștigate prin competiție.	<p>1. Director proiect PN II–RU TE 187, nr. contract 35/5.08.2010 (2010-2013), valoare proiect: 502.542,7RON (118.524Euro).</p> <p>2. Grant de cercetare postdoctorală în cadrul proiectului (CommScie) –POSDRU/89/1.5/S/63663, valoare proiect : 140.410,44RON (32.875,6Euro).</p> <p>3. Director grant CNCSIS de tip BD cod 108 (2003-2006), valoare proiect: 8.000RON (2.424,2Euro)</p> <p>T valoare granturi=152.823,8Euro</p>		0,615
	Punctaj realizat A1 : 0,4+0,2+0,4+0,615= 1,615 puncte (standard minimal CSII pentru A1 este 1 punct)				1,615
2	Activitatea de cercetare (A2)	2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings	$I = \sum_i \frac{a_i}{n^{d_i}}$ <p>(Minimum I = 2.0 pentru CS II)</p>	I=4,0322 conform tabelului de mai jos	I/2=2,0161
		2.2 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings pentru care candidatul este prim-autor sau autor corespondent.	$P = \sum_i a_i$ <p>(Minimum P = 1.5 pentru CSII)</p>	P=11,975 conform tabelului de mai jos	P/1.5=7,9833
	Punctaj realizat A2 : 2,0161+7,9833= 9,9994 puncte (standard minimal CSII pentru A2 este 2 puncte)				9,9994



3	Recunoaște rea și impactul activității (A3)	3.1 Citări în reviste indexate ISI	$C = \sum_i \frac{c_i}{n_i^{ef}}$ (Minimum C = 17.5 pentru CS II)	C=73,124 conform tabelului de mai jos	C/17,5=4,1785
Punctaj realizat A3 : 4,1785 puncte (standard minimal CSII pentru A3 este 1 punct)					4,1785

Formula de calcul a indicatorului de merit	Standardul minimal, Conform cu Ordinul 6560/2012, publicat în MO 890 bis/27.12.2012	Punctaj realizat
$I = \sum_i \frac{a_i}{n_i^{ef}}$	2	4,0322
$C = \sum_i \frac{c_i}{n_i^{ef}}$	17.5	73,124
$P = \sum_i a_i$	1.5	11,975
A1	1	1,615
A2=I/2+P/1.5	2	9,9994
A3=C/17.5	1	4,1785
A=A1+A2+A3	4	15,7929

Punctaj total: A= A₁+A₂+A₃=15,7929 puncte (standard minimal 4)

**Tabel de calcul pentru coeficientii I, P**

Nr. crt.	Autori	Lucrare	Vol	Pg	An	p ri m	AIS	n	n _{ef} calc	I=a/n _{ef}	ISI	P=A _{prim}	individ ual ISI factor	
1.	A. Sakanas, D. Nuzhnyy, R.s Grigalaitis, J. Banys, F. Borodavka, S. Kamba, C. E. Ciomaga , L. Mitoseriu	Dielectric and Phonon Spectroscopy of Nb-doped Pb(Zr1-yTiy)O3-CoFe2O4 Composites	J APPL PHYS Doi:10.1063/1.4984199			2017	0	0.637	7	5.67	0.112	2.101	0	0.300
2.	F. Gheorghiu, M. Simenas, C. E. Ciomaga, M. Airimioaei, V. Kalendra, J. Banys, M. Dobromir, S. Tascu, L. Mitoseriu	Preparation and structural characterization of Fe-doped BaTiO ₃ diluted magnetic ceramics	CERAM INT Doi: 10.1016/2017.05.013			2017	1	0.465	9	6.33	0.073	2.758	0.465	0.306
3.	Padurariu, C; Padurariu, L; Curecheriu, L; Ciomaga, C; Horchidan, N; Galassi, C; Mitoseriu, L	Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics	CERAM INT	43	5767	2017	0	0.465	7	5.67	0.082	2.758	0	0.394
4.	Gheorghiu, F; Padurariu, L; Airimioaei, M; Curecheriu, L; Ciomaga, C; Padurariu, C; Galassi, C; Mitoseriu, L	Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O-3 ceramics	J AM CERAM SOC	100	647	2017	0	0.663	8	6.00	0.111	2.787	0	0.348
5.	Condurache, O; Turcan, I; Curecheriu, L; Ciomaga, C; Postolache, P; Ciobanu, G; Mitoseriu, L	Towards novel functional properties by interface reaction in mixtures of BaTiO3-Fe2O3 composite ceramics	CERAM INT	43	1098	2017	0	0.465	7	5.67	0.082	2.758	0	0.394
6.	Galizia, P; Ciomaga, CE; Mitoseriu, L; Galassi, C	PZT-cobalt ferrite particulate composites: Densification and lead loss controlled by quite-fast sintering	J EUR CERAM SOC	37	161	2017	0	0.674	4	4.00	0.169	2.933	0	0.733
7.	Airimioaei, M; Stanculescu, R; Preutu, V; Ciomaga, C; Horchidan, N; Tascu, S; Lutic, D; Pui, A; Mitoseriu, L	Effect of particle size and volume fraction of BaTiO(3) powders on the functional properties of BaTiO3/poly(epsilon-caprolactone) composites	MATER CHEM PHYS	182	246	2016	0	0.479	9	6.33	0.076	2.101	0	0.233
8.	Curecheriu, LP; Ciomaga, CE; Musteata, V; Canu, G; Buscaglia, V; Mitoseriu, L	Diffuse phase transition and high electric field properties of BaCeyTi1-yO3 relaxor ferroelectric ceramics	CERAM INT	42	11085	2016	0	0.465	6	5.33	0.087	2.758	0	0.460
9.	Horchidan, N; Ciomaga, CE; Frunza, RC; Capiani, C; Galassi, C; Mitoseriu, L	A comparative study of hard/soft PZT-based ceramic composites	CERAM INT	42	9125	2016	1	0.465	6	5.33	0.087	2.758	0.465	0.460
10.	Ciomaga, CE; Avadanei, OG; Dumitru, I; Airimioaei, M; Tascu, S; Tufescu, F; Mitoseriu, L	Engineering magnetoelectric composites towards application as tunable microwave filters	J PHYS D APPL PHYS	49	125002	2016	1	0.838	7	5.67	0.148	2.772	0.838	0.396



11.	Stanculescu, RE; Ciomaga, CE; Horchidan, N; Galassi, C; Tufescu, FM; Mitoseriu, L	The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba _{0.70} Sr _{0.30} TiO ₃ ceramics	CERAM INT	42	527	2016	1	0.465	6	5.33	0.087	2.758	0.465	0.460
12.	Stanculescu, R; Ciomaga, CE; Padurariu, L; Galizia, P; Horchidan, N; Capiiani, C; Galassi, C; Mitoseriu, L	Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics	J ALLOY COMPD	643	79	2015	1	0.558	8	6.00	0.093	3.014	0.558	0.377
13.	Balmus, SB; Ciomaga, CE; Horchidan, N; Mitoseriu, L; Dumitru, I	Improvement of impedance spectroscopy methods: resonance analysis of samples	MEAS SCI TECHNOL	26	6560 1	2015	0	0.505	5	5.00	0.101	1.492	0	0.298
14.	Ciomaga, CE; Padurariu, L; Curecheriu, LP; Lupu, N; Lisiecki, I; Deluca, M; Tascu, S; Galassi, C; Mitoseriu, L	Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties	J APPL PHYS	116	1641 10	2014	1	0.682	9	6.33	0.108	2.183	0.682	0.243
15.	Mocanu, ZV; Airimioaei, M; Ciomaga, CE; Curecheriu, L; Tudorache, F; Tascu, S; Iordan, AR; Palamaru, NM; Mitoseriu, L	Investigation of the functional properties of Mg _x Ni _{1-x} Fe ₂ O ₄ ceramics	J MATER SCI	49	3276	2014	1	0.592	9	6.33	0.093	2.371	0.592	0.263
16.	Ciomaga, CE; Neagu, AM; Pop, MV; Airimioaei, M; Tascu, S; Schileo, G; Galassi, C; Mitoseriu, L	Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites	J APPL PHYS	113	7410 3	2013	1	0.724	8	6.00	0.121	2.185	0.724	0.273
17.	Ciomaga, CE; Olariu, CS; Padurariu, L; Sandu, AV; Galassi, C; Mitoseriu, L	Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling	J APPL PHYS	112	9410 3	2012	1	0.796	6	5.33	0.149	2.21	0.796	0.368
18.	Deluca, M; Vasilescu, CA; Ianculescu, AC; Berger, DC; Ciomaga, CE; Curecheriu, LP; Stoleriu, L; Gajovic, A; Mitoseriu, L; Galassi, C	Investigation of the composition-dependent properties of BaTi _{1-x} Zr _x O ₃ ceramics prepared by the modified Pechini method	J EUR CERAM SOC	32	3551	2012	0	0.69	10	6.67	0.104	2.36	0	0.236
19.	Ciomaga, CE; Airimioaei, M; Nica, V; Hrib, LM; Caltun, OF; Iordan, AR; Galassi, C; Mitoseriu, L; Palamaru, MN	Preparation and magnetoelectric properties of NiFe ₂ O ₄ -PZT composites obtained in-situ by gel-combustion method	J EUR CERAM SOC	32	3325	2012	1	0.69	9	6.33	0.109	2.36	0.69	0.262
20.	Ciomaga, CE; Balmus, SB; Dumitru, I; Mitoseriu, L	Experimental and analytical modeling of resonant permittivity and permeability in ferroelectric-ferrite composites in microwave range	J APPL PHYS	111	1241 14	2012	1	0.796	4	4.00	0.199	2.21	0.796	0.553
21.	Aruxandei, CD; Cornei, N; Hutanu, CA; Ciomaga, CE; Samoila, PM; Iordan, AR; Palamaru, MN	Sol-Gel Synthesis and Characterization of LiMn _{2-x} Cu _x O ₄ Spinel	REV CHIM-BUCHAREST	63	14	2012	0	0.048	7	5.67	0.008	0.538	0	0.077
22.	Ciomaga, CE; Buscaglia, MT; Buscaglia, V; Mitoseriu, L	Oxygen deficiency and grain boundary-related giant relaxation in Ba(Zr,Ti)O ₃ ceramics	J APPL PHYS	110	1141 10	2011	1	0.836	4	4.00	0.209	2.168	0.836	0.542
23.	Airimioaei, M; Ciomaga, CE; Apostolescu, N; Leontie, L; Iordan, AR; Mitoseriu, L; Palamaru, MN	Synthesis and functional properties of the Ni _{1-x} Mn _x Fe ₂ O ₄ ferrites	J ALLOY COMPD	509	8065	2011	1	0.509	7	5.67	0.090	2.289	0.509	0.327



24.	Ciomaga, CE; Dumitru, I; Mitoseriu, L; Galassi, C; Iordan, AR; Airimioaei, M; Palamaru, MN	Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials	SCRIPTA MATER	62	610	2010	1	1.21	7	5.67	0.214	2.82	1.21	0.403
25.	Ricinschi, D; Ciomaga, CE; Mitoseriu, L; Buscaglia, V; Okuyama, M	Ferroelectric-relaxor crossover characteristics in Ba(Zr _x Ti _{1-x})O ₃ ceramics investigated by AFM-piezoresponse study	J EUR CERAM SOC	30	237	2010	0	0.703	5	5.00	0.141	2.575	0	0.515
26.	Ciomaga, CE; Galassi, C; Prihor, F; Dumitru, I; Mitoseriu, L; Iordan, AR; Airimioaei, M; Palamaru, MN	Preparation and properties of the CoFe ₂ O ₄ -Nb-Pb(Zr,Ti)O ₃ multiferroic composites prepared in situ by gel-combustion method	J ALLOY COMPD	485	372	2009	1	0.488	8	6.00	0.081	2.135	0.488	0.267
27.	Iordan, AR; Airimioaei, M; Palamaru, MN; Galassi, C; Sandu, AV; Ciomaga, CE; Prihor, F; Mitoseriu, L; Ianculescu, A	In situ preparation of CoFe ₂ O ₄ -Pb(Zr,Ti)O ₃ multiferroic composites by gel-combustion technique	J EUR CERAM SOC	29	2807	2009	1	0.664	9	6.33	0.105	2.09	0.664	0.232
28.	Curecheriu, LP; Ciomaga, CE; Mitoseriu, L	Temperature-Dependent Tunability in the Paraelectric State of BaTiO ₃ -Based Solid Solutions	FERROELECTRICS	391	83	2009	0	0.169	3	3.00	0.056	0.447	0	0.149
29.	Ciomaga, CE; Buscaglia, MT; Viviani, M; Mitoseriu, L; Buscaglia, V; Nanni, P	Compositionally induced ferroelectric-relaxor crossover in Ba(Zr,Ti)O ₃ ceramics	J OPTOELECTRON ADV M	10	2367	2008	1	0.113	6	5.33	0.021	0.577	0.113	0.096
30.	Curecheriu, LP; Tufescu, FM; Ianculescu, A; Ciomaga, CE; Mitoseriu, L; Stancu, A	Tunability characteristics of BaTiO ₃ - based ceramics: Modeling and experimental study	J OPTOELECTRON ADV M	10	1792	2008	0	0.113	6	5.33	0.021	0.577	0	0.096
31.	Mitoseriu, L; Cioniaga, CE; Dumitru, I; Curecheriu, LP; Prihor, F; Guzu, A	Study of the frequency-dependence of the complex permittivity in Ba(Zr, Ti)O ₃ ceramics: evidences of the grain boundary phenomena	J OPTOELECTRON ADV M	10	1843	2008	0	0.113	6	5.33	0.021	0.577	0	0.096
32.	Tufescu, FM; Curecheriu, L; Ianculescu, A; Ciomaga, CE; Mitoseriu, L	High-voltage tunability measurements of the BaZr _x Ti _{1-x} O ₃ ferroelectric ceramics	J OPTOELECTRON ADV M	10	1894	2008	0	0.113	5	5.00	0.023	0.577	0	0.115
33.	Mitoseriu, L; Pallecchi, I; Buscaglia, V; Testino, A; Ciomaga, CE; Stancu, A	Magnetic properties of the BaTiO ₃ -(Ni, Zn) Fe ₂ O ₄ multiferroic composites	J MAGN MATER	316	603	2007	0	0.487	6	5.33	0.091	1.704	0	0.284
34.	Ianculescu, A; Berger, D; Viviani, M; Ciomaga, CE; Mitoseriu, L; Vasile, E; Dragan, N; Crisan, D	Investigation of Ba _{1-x} Sr _x TiO ₃ ceramics prepared from powders synthesized by the modified Pechini route	J EUR CERAM SOC	27	3655	2007	0	0.639	8	6.00	0.107	1.562	0	0.195
35.	Mitoseriu, L; Ciomaga, CE; Buseaglia, V; Stoleriu, L; Piazza, D; Galassi, C; Stancu, A; Nanni, P	Hysteresis and tunability characteristics of Ba(Zr,Ti)O ₃ ceramics described by First Order Reversal Curves diagrams	J EUR CERAM SOC	27	3723	2007	0	0.639	8	6.00	0.107	1.562	0	0.195
36.	Ciomaga, C; Viviani, M; Buscaglia, MT; Buscaglia, V; Mitoseriu, L; Stancu, A; Nanni, P	Preparation and characterisation of the Ba(Zr,Ti)O ₃ ceramics with relaxor properties	J EUR CERAM SOC	27	4061	2007	1	0.639	7	5.67	0.113	1.562	0.639	0.223



37.	Ciomaga, CE; Calderone, R; Buscaglia, MT; Viviani, M; Buscaglia, V; Mitoseriu, L; Stancu, A; Nanni, P	Relaxor properties of Ba(Zr,Ti)O-3 ceramics	J OPTOELECTRON ADV M	8	944	2006	1	0.13	8	6.00	0.022	1.106	0.13	0.138
38.	Ianculescu, A; Mitoseriu, L; Berger, D; Ciomaga, CE; Piazza, D; Galassi, C	Composition-dependent ferroelectric properties of Ba1-xSrxTiO3 ceramics	PHASE TRANSIT	79	375	2006	0	0.297	6	5.33	0.056	0.83	0	0.138
39.	Ciomaga, CE; Buscaglia, MT; Viviani, M; Buscaglia, V; Mitoseriu, L; Stancu, A; Nanni, P	Preparation and dielectric properties of BaZr0.1Ti0.9O3 ceramics with different grain sizes	PHASE TRANSIT	79	389	2006	1	0.297	7	5.67	0.052	0.83	0.297	0.119
40.	Fecioru-Morariu, M; Ricinski, D; Postolache, P; Ciomaga, CE; Stancu, A; Mitoseriu, L	First order reversal curves and hysteresis loops of ferroelectric films described by phenomenological models	J OPTOELECTRON ADV M	6	1059	2004	0	0.099	6	5.33	0.019	1.003	0	0.167
41.	Mitoseriu, L; Ciomaga, CE; Stancu, A	Evolution of the nanopolar order in (1-x)PbFe2/3W1/3O3-xPbTiO(3) relaxor investigated by Raman and dielectric study	J OPTOELECTRON ADV M	6	1085	2004	0	0.099	3	3.00	0.033	1.003	0	0.334
42.	Mitoseriu, L; Marre, D; Siri, AS; Stancu, A; Fedor, CE; Nanni, P	Magnetoelectric coupling in the multiferroic PbFe2/3W1/3O3-PbTiO3 system	J OPTOELECTRON ADV M	6	723	2004	0	0.099	6	5.33	0.019	1.003	0	0.167
43.	Mitoseriu, L; Fedor, CE; Viviani, M; Buscaglia, MT; Buscaglia, V; Testino, A; Nanni, P	Ferroelectric-semiconductive properties of BaTiO3-based PTCR ceramics	J OPTOELECTRON ADV M	5	763	2003	0	0.189	7	5.67	0.033	0.996	0	0.142
44.	Mitoseriu, L; Stancu, A; Fedor, CE	Analysis of the dielectric constant data of relaxors within a Landau-type theory	J OPTOELECTRON ADV M	5	787	2003	0	0.189	3	3.00	0.063	0.996	0	0.332
45.	Mitoseriu, L; Stancu, A; Fedor, C; Vilarinho, PM	Analysis of the composition-induced transition from relaxor to ferroelectric state in PbFe2/3W1/3O3-PbTiO3 solid solutions	J APPL PHYS	94	1918	2003	0	0.974	4	4.00	0.244	2.171	0	0.543
46.	Mitoseriu, L; Viviani, M; Ricinski, D; Fedor, C; Nanni, P	Simulation of positive temperature coefficient of resistivity (PTCR) behaviour in n-doped BaTiO3 ceramics	JPN J APPL PHYS 1	41	7189	2002	0	0.403	5	5.00	0.081	1.171	0	0.234
											I=4.032		P=11.96	13.486



Tabel de calcul pentru coeficientul C

Nr	Citare	Autori lucrare citata	Titlul lucrarii care citeaza	Titlul lucrarii citate	Jurnal	Jurnal lucr citata	Vol	Pag	An	AIS	n	n _{eff}	Nr citari	C	
		Horchidan, N; Ciomaga, CE; Frunza, RC; Capiani, C; Galassi, C; Mitoseriu, L		A comparative study of hard/soft PZT-based ceramic composites		CERAM INT		42	9125	2016		6	5.33	3	0.5625
1	Gopejenko, A; Piskunov, S; Zhukovskii, YF		Ab initio modelling of the effects of varying Zr (Ti) concentrations on the atomic and electronic properties of stoichiometric PZT solid solutions		COMPUT THEOR CHEM		1104		56	2017	0.330				
2	Bakaric, T; Malic, B; Kuscer, D		Lead-zirconate-titanate-based thick-film structures prepared by piezoelectric inkjet printing of aqueous suspensions		J EUR CERAM SOC		36		4031	2016	0.674				
3	Mirzaei, A; Bonyani, M; Torkian, S		Effect of Nb doping on sintering and dielectric properties of PZT ceramics		PROCESS APPL CERAM		10		175	2016	0.000				
		Ciomaga, CE; Avadanei, OG; Dumitru, I; Airimioaei, M; Tascu, S; Tufescu, F; Mitoseriu, L		Engineering magnetoelectric composites towards application as tunable microwave filters		J PHYS D APPL PHYS		49	1E+05	2016		7	5.67	2	0.3529
1	Zhou, HM; Liu, H; Zhou, Y; Hu, WW		Nonlinear resonance converse magnetoelectric effect modulated by voltage for the symmetrical magnetoelectric laminates under magnetic and thermal loadings		AIP ADV		6		125016	2016	0.480				
2	Li, XH; Zhou, HM; Zhang, QS; Hu, WW		Lumped modeling with circuit elements for nonreciprocal magnetoelectric tunable band-pass filter		CHINESE PHYS B		25		117505	2016	0.203				



		Stanculescu, RE; Ciomaga, CE; Horchidan, N; Galassi, C; Tufescu, FM; Mitoseriu, L		The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba_{0.70}Sr_{0.30}TiO₃ ceramics		CERAM INT		42	527	2016		6	5.33	2	0.375
1	Di Geronimo, E; Bornand, V; Papet, P		Elaboration and characterization of potassium niobate tantalate ceramics		CERAM INT		43		953	2017	0.465				
2	Zhang, QQ; Gao, F; Zhang, CC; Wang, L; Wang, M; Qin, MJ; Hu, GX; Kong, J		Enhanced dielectric tunability of Ba(0.6)Sr(0.4)ATiO(3)/Poly(vinylidene fluoride) composites via interface modification by silane coupling agent		COMPOS SCI TECHNOL		129		93	2016	1.061				
		Stanculescu, R; Ciomaga, CE; Padurariu, L; Galizia, P; Horchidan, N; Capiati, C; Galassi, C; Mitoseriu, L		Study of the role of porosity on the functional properties of (Ba,Sr)TiO₃ ceramics		J ALLOY COMPD		643	79	2015		8	6.00	4	0.6667
1	Khachatryan, R; Zhukov, S; Schultheiss, J; Galassi, C; Reimuth, C; Koruza, J; von Seggern, H; Genenko, YA		Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores		J PHYS D APPL PHYS		50		45303	2017	0.838				
2	Padurariu, L; Mitoseriu, L		The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System		J AM CERAM SOC		99		3816	2016	0.663				
3	Cao, YP; Li, SY; Li, F		Effect of the sintering temperature on the phase transition behavior and electrical properties of (Ba _{0.8} Sr _{0.2})TiO ₃ ceramics		J MATER SCI-MATER EL		27		8710	2016	0.234				
4	Ianculescu, A; Pintilie, I; Vasilescu, CA; Botea, M; Iuga, A; Melinescu, A; Dragan, N; Pintilie, L		Intrinsic pyroelectric properties of thick, coarse grained Ba _{1-x} Sr _x TiO ₃ ceramics		CERAM INT		42		10338	2016	0.465				



		Balmus, SB; Ciomaga, CE; Horchidan, N; Mitoseriu, L; Dumitru, I		Improvement of impedance spectroscopy methods: resonance analysis of samples		MEAS SCI TECHN OL		26	65601	2015		5	5.00	1	0.2
1	Li, YW; Yuan, HY; Lu, Y; Zhang, XX; Xu, RF; Fu, M		A novel protocol to measure the attenuation of electromagnetic waves through smoke		MEAS SCI TECHNOL		27		65902	2016	0.505				
		Mocanu, ZV; Airimioaei, M; Ciomaga, CE; Curecheriu, L; Tudorache, F; Tascu, S; Iordan, AR; Palamaru, NM; Mitoseriu, L		Investigation of the functional properties of $\text{Mg}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ ceramics		J MATER SCI		49	3276	2014		9	6.33	9	1.4211
1	Rostami, M; Vahdani, MRK; Moradi, M; Mardani, R		Structural, magnetic, and microwave absorption properties of Mg-Ti-Zr-Co-substituted barium hexaferrites nanoparticles synthesized via sol-gel auto- combustion method		J SOL-GEL SCI TECHN		82		783	2017	0.287				
2	Naidu, KCB; RoopasKiran, S; Madhuri, W		Investigations on transport, impedance and electromagnetic interference shielding properties of microwave processed NiMg ferrites		MATER RES BULL		89		125	2017	0.441				
3	Naidu, KCB; Madhuri, W		Hydrothermal synthesis of NiFe_2O_4 nano-particles: structural, morphological, optical, electrical and magnetic properties		B MATER SCI		40		417	2017	0.254				
4	Naidu, KCB; Madhuri, W		Microwave processed bulk and nano NiMg ferrites: A comparative study on X-band electromagnetic interference shielding properties		MATER CHEM PHYS		187		164	2017	0.479				
5	Naidu, KCB; Madhuri, W		Microwave processed NiMg ferrite: Studies on structural and magnetic properties		J MAGN MAGN MATER		420		109	2016	0.470				
6	Naidu, KCB; Madhuri, W		Microwave assisted solid state reaction method: Investigations on electrical and magnetic properties NiMgZn ferrites		MATER CHEM PHYS		181		432	2016	0.479				



7	Naidu, KCB; Madhuri, W		Microwave Hydrothermal Synthesis : Structural and Dielectric Properties of nano MgFe ₂ O ₄ Ceramics		MATER TODAY- PROC		3		3810	2016	0.000				
8	Sekulic, DL; Lazarevic, ZZ; Jovalekic, CD; Milutinovic, AN; Romcevic, NZ		Impedance Spectroscopy of Nanocrystalline MgFe ₂ O ₄ and MnFe ₂ O ₄ Ferrite Ceramics: Effect of Grain Boundaries on the Electrical Properties		SCI SINTER		48		17	2016	0.136				
9	Ben Ali, M; Mounkachi, O; El Maalam, K; El Moussaoui, H; Hamedoun, M; Hlil, EK; Fruchart, D; Masrour, R; Benyoussef, A		Coexistence of blocked, metamagnetic and canted ferrimagnetic phases at high temperature in Co-Nd ferrite nanorods		SUPERLA TTICE MICROST		84		165	2015	0.388				
		Ciomaga, CE; Neagu, AM; Pop, MV; Airimioaei, M; Tascu, S; Schileo, G; Galassi, C; Mitoseriu, L		Ferroelectric and dielectric properties of ferrite- ferroelectric ceramic composites		J APPL PHYS		113	74103	2013		8	6.00	16	2.6667
1	Saha, SK; Rahaman, MD; Zubair, MA; Hossain, AKMA		Structural, electrical, magnetic and magnetoelectric properties of (1-y) [Ba _{0.6} - xCaxSr _{0.4} Zr _{0.25} Ti _{0.75} O ₃] + (y) [(Li _{0.5} Fe _{0.5})(_{0.4})Ni _{0.18} Cu _{0.12} Z n _{0.3} Fe ₂ O ₄] composites		J ALLOY COMPD		698		341	2017	0.558				
2	Yang, WY; Wang, ZY; Zhou, ZP; Wang, TP; Jin, ML; Xu, JY; Sui, YL		Synthesis and Characterization of CoFe ₂ O ₄ /BaTiO ₃ Multiferroic Composites		J SUPERC OND NOV MAGN		30		665	2017	0.182				
3	Gorige, V; Kati, R; Yoon, DH; Kumar, PSA		Strain mediated magnetoelectric coupling in a NiFe ₂ O ₄ -BaTiO ₃ multiferroic composite		J PHYS D APPL PHYS		49		405001	2016	0.838				
4	Tang, ZH; Chen, JY; Bai, YL; Zhao, SF		Magnetoelectric coupling effect in lead-free Bi ₄ Ti ₃ O ₁₂ /CoFe ₂ O ₄ composite films derived from chemistry solution deposition		SMART MATER STRUCT		25		85020	2016	0.764				
5	Singh, C; Jaroszewski, M; Narang, SB; Ravinder, D		Thermoelectric and electrical properties of Ba _{0.5} Sr _{0.5} CoxRuxFe(12-2x)O ₁₉ ferrite		EUR PHYS J B		89		110	2016	0.456				



6	Dzunuzovic, AS; Petrovic, MMV; Stojadinovic, BS; Ilic, NI; Bobic, JD; Foschini, CR; Zaghete, MA; Stojanovic, BD	Multiferroic (NiZn) Fe ₂ O ₄ - BaTiO ₃ composites prepared from nanopowders by auto- combustion method	CERAM INT	41	13189	2015	0.465					
7	Zheng, ZL; Zhang, HW; Yang, QH; Jia, LJ	Structure and electromagnetic properties of NiZn spinel ferrite with nano-sized ZnAl ₂ O ₄ additions	J ALLOY COMPD	648	160	2015	0.558					
8	Wattanasarn, H; Photankham, W; Inthachai, S; Seetawan, T; Yimnirun, R; Thanachayanont, C	MPB Phase Transition and Microstructure of (1-x) PMN- xPZT Activated by 0.05BZN Ceramics	INTEGR FERROEL ECTR	165	19	2015	0.079					
9	Rahaman, MD; Setu, SH; Saha, SK; Hossain, AKMA	Synthesis and characterization of La _{0.75} Ca _{0.15} Sr _{0.05} Ba _{0.05} MnO 3-Ni _{0.9} Zn _{0.1} Fe ₂ O ₄ multiferroic composites	J MAGN MAGN MATER	385	418	2015	0.470					
10	Curecheriu, LP; Buscaglia, MT; Maglia, F; Anselmi- Tamburini, U; Buscaglia, V; Mitoseriu, L	Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure	APPL PHYS LETT	105	252901	2014	1.125					
11	Negi, NS; Sharma, A; Shah, J; Kotnala, RK	Investigation on impedance response, magnetic and ferroelectric properties of 0.20(Co _{1-x} Zn _x Fe _{2-y} MnyO ₄)- 0.80(Pb _{0.70} Ca _{0.30} TiO ₃) magnetoelectric composites	MATER CHEM PHYS	148	1221	2014	0.543					
12	Sharma, R; Pahuja, P; Tandon, RP	Structural, dielectric, ferromagnetic, ferroelectric and ac conductivity studies of the BaTiO ₃ -CoFe _{1.8} Zn _{0.2} O ₄ multiferroic particulate composites	CERAM INT	40	9027	2014	0.452					
13	Sakanas, A; Grigalaitis, R; Banys, J; Mitoseriu, L; Buscaglia, V; Nanni, P	Broadband dielectric spectroscopy of BaTiO ₃ - Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ composite ceramics	J ALLOY COMPD	602	241	2014	0.557					



14	Schileo, G; Feteira, A; Reaney, IM; Postolache, P; Mitoseriu, L; Reichmann, K		Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods		INT J APPL CERAM TEC		11		457	2014	0.347				
15	Sharma, A; Kotnala, RK; Negi, NS		Observation of multiferroic properties and magnetoelectric effect in (x) CoFe2O4 -(1-x) Pb0.7Ca0.3TiO3 composites		J ALLOY COMPD		582		628	2014	0.557				
16	Schileo, G		Recent developments in ceramic multiferroic composites based on core/shell and other heterostructures obtained by sol-gel routes		PROG SOLID STATE CH		41		87	2013	1.925				
		Ciomaga, CE; Olariu, CS; Padurariu, L; Sandu, AV; Galassi, C; Mitoseriu, L		Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling		J APPL PHYS		112	94103	2012		6	5.33	7	1.3125
1	Curecheriu, LP; Buscaglia, MT; Maglia, F; Padurariu, C; Ciobanu, G; Anselmi-Tamburini, U; Buscaglia, V; Mitoseriu, L		Tailoring the functional properties of PLZT-BaTiO3 composite ceramics by core-shell approach		J APPL PHYS		121		144101	2017	0.637				
2	Gaikwad, VM; Acharya, SA		Perovskite-spinel composite approach to modify room temperature structural, magnetic and dielectric behavior of BiFeO3		J ALLOY COMPD		695		3689	2017	0.558				
3	Schileo, G; Pascual-Gonzalez, C; Alguero, M; Reaney, IM; Postolache, P; Mitoseriu, L; Reichmann, K; Feteira, A		Yttrium Iron Garnet/Barium Titanate Multiferroic Composites		J AM CERAM SOC		99		1609	2016	0.663				
4	Sifontes, AB; Del Toro, RS; Avila, E; Canizales, E; Lovera, G; Cubillan, L; Gonzalez, V; Monaco, A; Brito, JL		Chitosan templated synthesis of strontium-iron-oxygen nanocrystalline system		CERAM INT		41		13250	2015	0.465				



5	Peng, Y; Wu, XH; Chen, ZY; Li, QF; Yu, T; Feng, ZK; Su, ZJ; Chen, YJ; Harris, VG		High frequency permeability and permittivity spectra of BiFeO ₃ /(CoTi)-BaM ferrite composites		J APPL PHYS		117		17A306	2015	0.637				
6	Sakanas, A; Grigalaitis, R; Ivanov, M; Banyas, J; Mitoseriu, L; Buscaglia, V; Nanni, P		The Alternative Expression of Lichtenecker's Logarithmic Mixture Formula and Its Application to the Broadband Dielectric Spectroscopy of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Composites		FERROEL ECTRICS		479		90	2015	0.129				
7	Curecheriu, L; Postolache, P; Buscaglia, MT; Buscaglia, V; Ianculescu, A; Mitoseriu, L		Novel magnetoelectric ceramic composites by control of the interface reactions in Fe ₂ O ₃ @BaTiO ₃ core-shell structures		J APPL PHYS		116		84102	2014	0.682				
		Deluca, M; Vasilescu, CA; Ianculescu, AC; Berger, DC; Ciomaga, CE; Curecheriu, LP; Stoleriu, L; Gajovic, A; Mitoseriu, L; Galassi, C		Investigation of the composition-dependent properties of BaTi_{1-x}Zr_xO₃ ceramics prepared by the modified Pechini method		J EUR CERAM SOC		32	3551	2012		10	6.67	26	3.9
1	Oksuz, KE; Sen, S; Sen, U		Influence of ZrO ₂ Addition on the Structure and Dielectric Properties of BaTiO ₃ Ceramics		ACTA PHYS POL A		131		197	2017	0.113				
2	Lu, DY; Cui, SZ; Liu, QL; Sun, XY		Dielectric properties and defect chemistry of barium titanate ceramics co-doped R and Dy ions (R=Eu, Gd, Tb)		CERAM INT		42		14364	2016	0.465				
3	Ventura, J; Polo, C; Ferrater, C; Hernandez, S; Sancho-Parramon, J; Coy, LE; Rodriguez, L; Canillas, A; Fabrega, L; Varela, M		Heterogeneous distribution of B-site cations in BaZr _x Ti _{1-x} O ₃ epitaxial thin films grown on (001) SrTiO ₃ by pulsed laser deposition		APPL SURF SCI		381		12	2016	0.574				



4	Mahesh, MLV; Prasad, VVB; James, AR	A comparison of different powder compaction processes adopted for synthesis of lead-free piezoelectric ceramics	EUR PHYS J B	89	108	2016	0.456						
5	Kaddoussi, H; Gagou, Y; Lahmar, A; Allouche, B; Dellis, JL; Courty, M; Khemakhem, H; El Marssi, M	Ferroelectric phase changes and electrocaloric effects in Ba(Zr _{0.1} Ti _{0.9})(1-x) Sn (x) O-3 ceramics solid solution	J MATER SCI	51	3454	2016	0.566						
6	Miao, JY; Wu, Y; Zhang, ZQ; Zhang, FQ; Liu, ZF; Li, YX	Dielectric Behavior of (Ba _{0.95} Ca _{0.05})(Zr _{0.15} Ti _{0.842} Mg _{0.008})O-3-(Ba _{0.95} Ca _{0.05})(Zr _{0.08} Ti _{0.92}) O-3 Layered Ceramics	FERROEL ECTRICS	492	17	2016	0.129						
7	Mahesh, MLV; James, AR	Dependence of Ba(Zr _{0.15} Ti _{0.85})O-3 films growth on substrate temperature and oxygen gas pressure prepared by pulsed laser deposition	J NANOPAR T RES	17	482	2015	0.529						
8	Philippot, G; Albino, M; Chung, UC; Josse, M; Elissalde, C; Maglione, M; Aymonier, C	Continuous BaTi _{1-y} Zr _y O ₃ (0 ≤ y ≤ 1) nanocrystals synthesis in supercritical fluids for nanostructured lead-free ferroelectric ceramics	MATER DESIGN	86	354	2015	0.928						
9	Benabdallah, F; Elissalde, C; Seu, UCC; Michau, D; Poulon-Quintin, A; Gayot, M; Garreta, P; Khemakhem, H; Maglione, M	Structure-microstructure-property relationships in lead-free BCTZ piezoceramics processed by conventional sintering and spark plasma sintering	J EUR CERAM SOC	35	4153	2015	0.674						
10	Miao, JY; Zhang, ZQ; Liu, ZF; Li, YX	Investigation on the dielectric properties of Mg-doped (Ba _{0.95} Ca _{0.05})(Ti _{0.85} Zr _{0.15})O-3 ceramics	CERAM INT	41	S487	2015	0.465						
11	Lu, DY	Self-adjustable site occupations between Ba-site Tb ³⁺ and Ti-site Tb ⁴⁺ ions in terbium-doped barium titanate ceramics	SOLID STATE IONICS	276	98	2015	0.568						
12	Rubio-Marcos, F; Del Campo, A; Marchet, P; Fernandez, JF	Ferroelectric domain wall motion induced by polarized light	NAT COMMUN	6	6594	2015	5.549						



13	Mahmood, A; Iqbal, Y; Ullah, A		Phase, microstructure and electrical characterization of Ba _{1-x} La _x (Zr _{0.6} Ti _{0.4})(1-x/4)O-3 ceramics	J MATER SCI-MATER EL	26	113	2015	0.234				
14	Horchidan, N; Ianculescu, AC; Vasilescu, CA; Deluca, M; Musteata, V; Ursic, H; Frunza, R; Malic, B; Mitoseriu, L		Multiscale study of ferroelectric-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics	J EUR CERAM SOC	34	3661	2014	0.672				
15	Mahesh, MLV; Prasad, VVB; James, AR		Enhanced dielectric and ferroelectric properties of lead-free Ba(Zr _{0.15} Ti _{0.85})O-3 ceramics compacted by cold isostatic pressing	J ALLOY COMPD	611	43	2014	0.557				
16	Tachafine, A; Aoujgal, A; Rguiti, M; Graca, MPF; Costa, LC; Outzourhit, A; Carru, JC		Classical and Relaxor Ferroelectric Behavior of Titanate of Barium and Zirconium Ceramics	SPECTRO SC LETT	47	404	2014	0.164				
17	Chen, J; Chen, XL; He, F; Wang, YL; Zhou, HF; Fang, L		Thermally Stable BaTiO ₃ -Bi(Mg _{0.75} W _{0.25})O-3 Solid Solutions: Sintering Characteristics, Phase Evolution, Raman Spectra, and Dielectric Properties	J ELECTRO N MATER	43	1112	2014	0.441				
18	Buscaglia, V; Tripathi, S; Petkov, V; Dapiaggi, M; Deluca, M; Gajovic, A; Ren, Y		Average and local atomic-scale structure in BaZr _x Ti _{1-x} O ₃ (x=0.10, 0.20, 0.40) ceramics by high-energy x-ray diffraction and Raman spectroscopy	J PHYS-CONDENS MAT	26	65901	2014	1.004				
19	Mahesh, MLV; Prasad, VVB; James, AR		Effect of sintering temperature on the microstructure and electrical properties of zirconium doped barium titanate ceramics	J MATER SCI-MATER EL	24	4684	2013	0.272				
20	Mahesh, MLV; Bhanuprasad, VV; James, AR		Enhanced Piezoelectric Properties and Tunability of Lead-Free Ceramics Prepared by High-Energy Ball Milling	J ELECTRO N MATER	42	3547	2013	0.446				
21	Sindhu, M; Ahlawat, N; Sanghi, S; Kumari, R; Agarwal, A		Effect of Zr substitution on phase transformation and dielectric properties of Ba _{0.9} Ca _{0.1} TiO ₃ ceramics	J APPL PHYS	114	164106	2013	0.724				



22	Cen, ZY; Zhou, CR; Cheng, J; Zhou, XJ; Li, WZ; Yan, CL; Feng, SL; Liu, YQ; Lao, DS		Effect of Zr ⁴⁺ substitution on thermal stability and electrical properties of high temperature BiFe _{0.99} Al _{0.01} O ₃ -BaTi _{1-x} Zr _x O ₃ ceramics		J ALLOY COMPD		567		110	2013	0.534				
23	Lu, DY; Zhang, L; Sun, XY		Defect chemistry of a high-k 'Y5V' (Ba _{0.95} Eu _{0.05})TiO ₃ ceramic		CERAM INT		39		6369	2013	0.439				
24	Schileo, G; Luisman, L; Feteira, A; Deluca, M; Reichmann, K		Structure-property relationships in BaTiO ₃ -BiFeO ₃ -BiYbO ₃ ceramics		J EUR CERAM SOC		33		1457	2013	0.699				
25	Lu, DY; Sun, XY		Study on Defect Complexes in High-k Sr and Zr Co-doped BaTiO ₃ Ceramics		ADV MATER RES- SWITZ		750 - 752		501	2013	0.000				
26	Monnor, T; Laosiritaworn, Y; Yimnirun, R		Towards a Better Understanding of Relationship between Preisach Densities and Polarization Reversals on Hysteresis Characteristic		ADV COND MATTER PHYS				959134	2013	0.485				
		Ciomaga, CE; Airimioaei, M; Nica, V; Hrib, LM; Caltun, OF; Iordan, AR; Galassi, C; Mitoseriu, L; Palamaru, MN		Preparation and magnetoelectric properties of NiFe₂O₄-PZT composites obtained in-situ by gel-combustion method		J EUR CERAM SOC		32	3325	2012		9	6.33	32	5.0526
1	Soomro, SA; Gut, IH; Khan, MZ; Naseer, H; Khan, AN		Dielectric properties evaluation of NiFe ₂ O ₄ /MWCNTs nanohybrid for microwave applications prepared via novel one step synthesis		CERAM INT		43		4090	2017	0.465				
2	Wang, YR; Pu, YP; Tian, YC; Li, X; Wang, Z; Shi, Y; Zhang, JT; Zhang, G		Enhanced magnetoelectric properties of the laminated Ba _{0.9} Ca _{0.1} Ti _{0.9} Zr _{0.1} O ₃ /Co _{0.8} Ni _{0.1} Zn _{0.1} Fe ₂ O ₄ composites		J ALLOY COMPD		696		1307	2017	0.558				
3	Dey, P; Debnath, R; Singh, S; Mandal, SK; Roy, JN		Irreversibility in room temperature current-voltage characteristics of NiFe ₂ O ₄ nanoparticles: A signature of electrical memory effect		J MAGN MAGN MATER		421		132	2017	0.470				



4	Reddy, MV; Paul, JP; Sowmya, NS; Srinivas, A; Das, D		Magneto-electric properties of in-situ prepared $x\text{CoFe}_2\text{O}_4\text{-(1-x)(Ba-0. Ca-85(0.15))(Zr0.1Ti0.9)O-3}$ particulate composites		CERAM INT		42		17827	2016	0.465				
5	Dhanalakshmi, B; Rao, PSVS; Rao, BP; Kim, C		Enhanced Ferromagnetic Order in Mn Doped $\text{BiFeO}_3\text{-Ni}_0.5\text{Zn}_0.5\text{Fe}_2\text{O}_4$ Multiferroic Composites		J NANOSCI NANOTEC HNO		16		11089	2016	0.174				
6	Yang, HB; Zhang, G; Lin, Y; Wang, F		Preparation and characterization of $\text{BaTiO}_3\text{-Bi}_0.5\text{Na}_0.5\text{TiO}_3\text{/BiY}_2\text{Fe}_5\text{O}_{12}$ laminate composites		J MATER SCI- MATER EL		27		6586	2016	0.234				
7	Nazir, MA; Ul-Islam, M; Ali, I; Ali, H; Ahmad, B; Ramay, SM; Raza, N; Ehsan, MF; Ashiq, MN		Structural, Electrical, and Dielectric Properties of Multiferroic-Spinel Ferrite Composites		J ELECTRO N MATER		45		1065	2016	0.363				
8	Grigalaitis, R; Petrovic, MMV; Baltrunas, D; Mazeika, K; Stojanovic, BD; Banys, J		Broadband dielectric and Mossbauer studies of $\text{BaTiO}_3\text{-NiFe}_2\text{O}_4$ composite multiferroics		J MATER SCI- MATER EL		26		9727	2015	0.234				
9	Lin, Y; Kang, P; Yang, HB; Zhang, G; Gou, ZJ		Preparation and characterization of $\text{Bi}_2\text{Fe}_4\text{O}_9\text{/NiFe}_2\text{O}_4$ composite powders		POWDER TECHNOL		284		143	2015	0.587				
10	Yang, HB; Zhang, G; Hai, GJ; Xiang, XH		Simultaneous enhancement of electrical and magnetoelectric effects in $\text{BaTiO}_3\text{-Bi}_0.5\text{Na}_0.5\text{TiO}_3\text{/CoFe}_2\text{O}_4$ laminate composites		J ALLOY COMPD		646		1104	2015	0.558				
11	Yang, HB; Zhang, G; Lin, Y; Wang, F		Enhanced Curie temperature and magnetoelectric effects in the $\text{BaTiO}_3\text{-based piezoelectrics and CoFe}_2\text{O}_4$ laminate composites		MATER LETT		157		99	2015	0.453				
12	Atif, M; Nadeem, M; Grossinger, R; Turtelli, RS; Kubel, F		Magnetic, dielectric and magnetoelectric properties in $(1-x)\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O-3} + (x)\text{CoFe}_2\text{O}_4$ composites		J MATER SCI- MATER EL		26		7737	2015	0.234				
13	Yang, HB; Zhang, G; Chen, XL; Zhou, HF		Observation of magnetoelectric coupling and the electrical properties in $0.65\text{BaTiO}_3\text{-0.35Bi(0.5)Na(0.5)TiO}_3\text{/CoFe}_2\text{O}_4$ particulate composites		J MATER SCI- MATER EL		26		6107	2015	0.234				



14	Sharma, R; Tandon, RP		Study of microstructure, dielectric and magnetoelectric properties of the lead free co-fired BaTiO ₃ -CoZn _{0.2} Fe _{1.8} O ₄ -BaTiO ₃ trilayer composites		J MATER SCI-MATER EL		26		5295	2015	0.234				
15	Rahaman, MD; Setu, SH; Saha, SK; Hossain, AKMA		Synthesis and characterization of La _{0.75} Ca _{0.15} Sr _{0.05} Ba _{0.05} MnO ₃ -Ni _{0.9} Zn _{0.1} Fe ₂ O ₄ multiferroic composites		J MAGN MAGN MATER		385		418	2015	0.470				
16	Yang, HB; Zhang, G; Lin, Y		Electrical, magnetic and magnetoelectric properties of laminated 0.65BiFeO ₃ -0.35BaTiO ₃ /BiY ₂ Fe ₅ O ₁₂ composites		SMART MATER STRUCT		24		65028	2015	0.764				
17	Peng, P; Hu, YY; Liu, Y; Chen, S; Shi, J; Xiong, R; Zhang, Y		Magnetoelectric effect of CoFe ₂ O ₄ /Pb(Zr,Ti)O ₃ composite ceramics sintered via spark plasma sintering technology		CERAM INT		41		6676	2015	0.465				
18	Kang, WS; Lee, SK; Koh, JH		AC conductivity and dielectric properties of (Bi,Na)TiO ₃ -BaTiO ₃ lead free ceramics		CERAM INT		41		6925	2015	0.465				
19	Yang, HB; Zhang, G; Lin, Y; Ye, T; Kang, P		Electrical, magnetic and magnetoelectric properties of BaTiO ₃ /BiY ₂ Fe ₅ O ₁₂ particulate composites		CERAM INT		41		7227	2015	0.465				
20	Yang, HB; Zhang, G; Chen, HY; Li, HM; Li, Z		Electrical, magnetic and magnetoelectric properties of 0.6BaTiO ₃ -0.4BiFeO ₃ /CoFe ₂ O ₄ particulate composites		J MATER SCI-MATER EL		26		3370	2015	0.234				
21	Yang, HB; Zhang, G; Han, N		Enhanced ferroelectric and magnetoelectric properties of the laminated 0.65BiFeO ₃ -0.35BaTiO ₃ /BiY ₂ Fe ₅ O ₁₂ composite		MATER LETT		145		91	2015	0.453				
22	Atif, M; Nadeem, M		Interplay between the ferromagnetic and ferroelectric phases on the magnetic and impedance analysis of (x)Pb(Zr _{0.52} Ti _{0.48})O ₃ -(1-x)CoFe ₂ O ₄ composites		J ALLOY COMPD		623		447	2015	0.558				
23	Lin, Y; Kang, P; Yang, HB; Liu, M		Preparation and magnetic properties of Bi ₂ Fe ₄ O ₉ /CoFe ₂ O ₄ composite		J MATER SCI-MATER		26		1102	2015	0.234				



			powders		EL										
24	Zheng, H; Weng, WJ; Han, GR; Du, PY		Crucial role of percolation transition on the formation and electromagnetic properties of BaTiO ₃ /Ni _{0.5} Zn _{0.47} Fe ₂ O ₄ ceramic composites		CERAM INT		41		1511	2015	0.465				
25	Pahuja, P; Kotnala, RK; Tandon, RP		Effect of rare earth substitution on properties of barium strontium titanate ceramic and its multiferroic composite with nickel cobalt ferrite		J ALLOY COMPD		617		140	2014	0.557				
26	Liu, M; Yang, HB; Lin, Y; Yang, YY		One-step synthesis of homogeneous BaFe ₁₂ O ₁₉ /Y ₃ Fe ₅ O ₁₂ composite powders		MATER RES BULL		60		195	2014	0.458				
27	Rani, J; Yadav, KL; Prakash, S		Dielectric and magnetic properties of xCoFe(2)O(4)-(1-x)[0.5Ba(Zr0.2Ti0.8)O-3-0.5(Ba0.7Ca0.3)TiO3] composites		MATER RES BULL		60		367	2014	0.458				
28	Sakanas, A; Grigalaitis, R; Banys, J; Mitoseriu, L; Buscaglia, V; Nanni, P		Broadband dielectric spectroscopy of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ composite ceramics		J ALLOY COMPD		602		241	2014	0.557				
29	Mudinepalli, VR; Song, SH; Murty, BS		Enhanced magnetoelectric properties in lead-free Ni _{0.83} Co _{0.15} Cu _{0.02} Fe _{1.9} O ₄ -delta -Na _{0.5} Bi _{0.5} TiO ₃ composites by spark plasma sintering		SCRIPTA MATER		82		9	2014	1.169				
30	Grigalaitis, R; Petrovic, MMV; Bobic, JD; Dzunuzovic, A; Sobiestianskas, R; Brilingas, A; Stojanovic, BD; Banys, J		Dielectric and magnetic properties of BaTiO ₃ -NiFe ₂ O ₄ multiferroic composites		CERAM INT		40		6165	2014	0.452				
31	Pascariu, V; Padurariu, L; Avadanei, O; Mitoseriu, L		Dielectric properties of PZT-epoxy composite thick films		J ALLOY COMPD		574		591	2013	0.534				



32	Curecheriu, L; Postolache, P; Buscaglia, V; Horchidan, N; Alexe, M; Mitoseriu, L		BaTiO ₃ -ferrite composites with magnetocapacitance and hard/soft magnetic properties		PHASE TRANSIT		86		670	2013	0.288				
		Ciomaga, CE; Buscaglia, MT; Buscaglia, V; Mitoseriu, L		Oxygen deficiency and grain boundary- related giant relaxation in Ba(Zr,Ti)O-3 ceramics		J APPL PHYS		110	1E+05	2011		4	4.00	24	6
1	Nayak, P; Badapanda, T; Singh, AK; Panigrahi, S		An approach for correlating the structural and electrical properties of Zr ⁴⁺ -modified SrBi ₄ Ti ₄ O ₁₅ /SBT ceramic		RSC ADV		7		16319	2017	0.628				
2	Chen, F; Liu, QX; Tang, XG; Jiang, YP; Yue, JL; Li, JK		Relaxation Associated with Oxygen Vacancies at High Temperatures and Leakage Current in Ba (x) Sr _{1-x} TiO ₃ Ceramics		J ELECTRO N MATER		45		3174	2016	0.363				
3	Wang, XF; Liang, PF; Wei, LL; Chao, XL; Yang, ZP		Diffusion phase transition and impedance spectroscopy of Bi ₂ O ₃ /CuO co-doped BCZT lead-free ceramics		J MATER SCI- MATER EL		27		3217	2016	0.234				
4	Liu, X; Fan, HQ; Shi, J; Wang, LL; Du, HL		Enhanced ionic conductivity of Ag addition in acceptor-doped Bi _{0.5} Na _{0.5} TiO ₃ ferroelectrics		RSC ADV		6		30623	2016	0.628				
5	Li, LX; Yu, JY; Zhang, N; Ye, J		Synthesis and characterization of X ₈ R BaTiO ₃ -based dielectric ceramics by doping with NiNb ₂ O ₆ nanopowders		J MATER SCI- MATER EL		26		9522	2015	0.234				
6	Zhou, WL; Deng, HM; Yu, L; Yang, PX; Chu, JH		Band-gap narrowing and magnetic behavior of Ni-doped Ba(Ti _{0.875} Ce _{0.125})O-3 thin films		J PHYS D APPL PHYS		48		455308	2015	0.838				
7	Gheorghiu, F; Curecheriu, L; Lisiecki, I; Beaunier, P; Feraru, S; Palamaru, MN; Musteata, V; Lupu, N; Mitoseriu, L		Functional properties of Sm ₂ NiMnO ₆ multiferroic ceramics prepared by spark plasma sintering		J ALLOY COMPD		649		151	2015	0.558				
8	Li, LX; Yu, JY; Liu, YR; Zhang, N; Chen, JX		Synthesis and characterization of high performance CaZrO ₃ -doped X ₈ R BaTiO ₃ -based dielectric		CERAM INT		41		8696	2015	0.465				



			ceramics																
9	Park, JJ; Han, YH		Relaxation behavior of oxygen vacancies in Sc-doped BaTiO ₃		J KOREAN PHYS SOC		66		1416	2015	0.130								
10	Wang, XF; Liang, PF; Chao, XL; Yang, ZP		Dielectric Properties and Impedance Spectroscopy of MnCO ₃ -Modified (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ Lead-Free Ceramics		J AM CERAM SOC		98		1506	2015	0.663								
11	Sateesh, P; Omprakash, J; Kumar, GS; Prasad, G		Studies of phase transition and impedance behavior of Ba(Zr, Ti) O-3 ceramics		J ADV DIELECTR		5		2E+06	2015	0.000								
12	Cai, W; Fu, CL; Chen, G; Gao, RL; Deng, XL		Dielectric and ferroelectric properties of xBaZr(0.52)Ti(0.48)O(3)-(1-x)BiFeO ₃ solid solution ceramics		J MATER SCI-MATER EL		26		322	2015	0.234								
13	Rahaman, MD; Saha, SK; Ahmed, TN; Saha, DK; Hossain, AKMA		Magnetoelectric effect of (1-x) Ba _{0.5} Sr _{0.5} Zr _{0.5} Ti _{0.5} O ₃ +(x) Ni _{0.12} Mg _{0.18} Cu _{0.2} Zn _{0.5} Fe ₂ O ₄ composites		J MAGN MAGN MATER		371		112	2014	0.483								
14	Sindhu, M; Ahlawat, N; Sanghi, S; Kumari, R; Agarwal, A		Effect of Zr substitution on phase transformation and dielectric properties of Ba _{0.9} Ca _{0.1} TiO ₃ ceramics		J APPL PHYS		114		164106	2013	0.724								
15	Silveira, LGD; Alves, MFS; Cotica, LF; Gotardo, RAM; Nascimento, WJ; Garcia, D; Eiras, JA; Santos, IA		Dielectric investigations in nanostructured tetragonal BaTiO ₃ ceramics		MATER RES BULL		48		1772	2013	0.443								
16	Wang, J; Jiang, SL; Song, LH		DIELECTRIC PROPERTIES OF Zr-DOPED Ba _{0.985} Bi _{0.015} TiO ₃ SYNTHESIZED BY INORGANIC DISTILLATION UNDER ATMOSPHERIC PRESSURE		MOD PHYS LETT B		27		1E+06	2013	0.146								
17	Cao, WQ; Shu, MF		Bond energy and coordination number model for relaxor ferroelectrics		ACTA PHYS SIN-CH ED		62		17701	2013	0.057								



18	Curecheriu, L; Balmus, SB; Buscaglia, MT; Buscaglia, V; Ianculescu, A; Mitoseriu, L		Grain Size-Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics		J AM CERAM SOC		95		3912	2012	0.710				
19	Wang, J; Jiang, SL; Jiang, D; Tian, JJ; Li, YL; Wang, Y		Microstructural design of BaTiO ₃ -based ceramics for temperature-stable multilayer ceramic capacitors		CERAM INT		38		5853	2012	0.455				
20	Nuzhnyy, D; Petzelt, J; Savinov, M; Ostapchuk, T; Bovtun, V; Kempa, M; Hlinka, J; Buscaglia, V; Buscaglia, MT; Nanni, P		Broadband dielectric response of Ba(Zr,Ti)O ₃ ceramics: From incipient via relaxor and diffuse up to classical ferroelectric behavior		PHYS REV B		86		14106	2012	1.429				
21	Alves, MFS; Gotardo, RAM; Cotica, LF; Santos, IA; Nascimento, WJ; Garcia, D; Eiras, JA		High density nanostructured BaTiO ₃ ceramics obtained under extreme conditions		SCRIPTA MATER		66		1053	2012	1.235				
22	Zampiere, RB; Dias, GS; Cotica, LF; Santos, IA		Enhanced ferroism in mechanically processed and environmentally friendly Ba _{0.30} Na _{0.70} Ti _{0.30} Nb _{0.70} O ₃ ceramics		SCRIPTA MATER		66		542	2012	1.235				
23	Cao, WQ; Chen, W; Shang, YL; Shu, MF		Characterization of Dielectric Relaxation of Relaxor Ferroelectrics		FERROEL ECTRICS LETT		39		71	2012	0.098				
24	Shang, YL; Shu, MF; Chen, W; Cao, WQ		Phenomenological analysis for dielectric dispersion of donor doped barium titanate based relaxor ferroelectric		ACTA PHYS SIN-CH ED		61		197701	2012	0.071				
		Airimioaei, M; Ciomaga, CE; Apostolescu, N; Leontie, L; Iordan, AR; Mitoseriu, L; Palamaru, MN		Synthesis and functional properties of the Ni_{1-x}MnxFe₂O₄ ferrites		J ALLOY COMPD		509	8065	2011		7	5.67	23	4.0588
1	Kesavamoorthi, R; Raja, CR		Studies on the Properties of Manganese Substituted Nickel Ferrite Nanoparticles		J SUPERCOND NOV MAGN		29		2729	2016	0.182				



2	Ansari, S; Arabi, H; Sadr, SMA	Structural, Morphological, Optical and Magnetic Properties of Al-Doped CoFe ₂ O ₄ Nanoparticles Prepared by Sol-Gel Auto-Combustion Method	J SUPERCOND NOV MAGN	29	1525	2016	0.182				
3	Aakash; Choubey, R; Das, D; Mukherjee, S	Effect of doping of manganese ions on the structural and magnetic properties of nickel ferrite	J ALLOY COMPD	668	33	2016	0.558				
4	Coppola, P; da Silva, FG; Gomide, G; Paula, FLO; Campos, AFC; Perzynski, R; Kern, C; Depeyrot, J; Aquino, R	Hydrothermal synthesis of mixed zinc-cobalt ferrite nanoparticles: structural and magnetic properties	J NANOPART RES	18	UNSP 138	2016	0.529				
5	Hua, J; Liu, Y; Wang, L; Feng, M; Zhao, JL; Li, HB	Mossbauer studies on Mn substituted CoFe ₂ O ₄ /SiO ₂ nanocomposites synthesized by sol-gel method	J MAGN MAGN MATER	402	166	2016	0.470				
6	Marinca, TF; Chicinas, I; Isnard, O; Neamtu, BV	Nanocrystalline/nanosized manganese substituted nickel ferrites - Ni _{1-x} MnxFe ₂ O ₄ obtained by ceramic-mechanical milling route	CERAM INT	42	4754	2016	0.465				
7	Tirupanyam, BV; Srinivas, C; Meena, SS; Yusuf, SM; Kumar, AS; Sastry, DL; Seshubai, V	Investigation of structural and magnetic properties of co-precipitated Mn-Ni ferrite nanoparticles in the presence of alpha-Fe ₂ O ₃ phase	J MAGN MAGN MATER	392	101	2015	0.470				
8	Zaki, HM; Al-Heniti, SH; Elmosalami, TA	Structural, magnetic and dielectric studies of copper substituted nano-crystalline spinel magnesium zinc ferrite	J ALLOY COMPD	633	104	2015	0.558				
9	Medeiros, PN; Gomes, YF; Bomio, MRD; Santos, IMG; Silva, MRS; Paskocimas, CA; Li, MS; Motta, FV	Influence of variables on the synthesis of CoFe ₂ O ₄ pigment by the complex polymerization method	J ADV CERAM	4	135	2015	0.260				
10	Zhou, KW; Qin, LQ; Wu, XH; Wu, WW; Shen, YX; Tian, YL; Lu, JY	Structure and magnetic properties of manganese-nickel ferrite with lithium substitution	CERAM INT	41	1235	2015	0.465				



11	Abdallah, HMI; Moyo, T	Superparamagnetic behavior of $Mn_xNi_{1-x}Fe_2O_4$ spinel nanoferrites	J MAGN MAGN MATER	361	170	2014	0.483				
12	Raut, AV; Barkule, RS; Shengule, DR; Jadhav, KM	Synthesis, structural investigation and magnetic properties of Zn^{2+} substituted cobalt ferrite nanoparticles prepared by the sol-gel auto-combustion technique	J MAGN MAGN MATER	358	87	2014	0.483				
13	Chicinas, I; Marinca, TF; Neamtu, BV; Popa, F; Isnard, O; Pop, V	Synthesis, Structural, and Magnetic Properties of Nanocrystalline/Nanosized Manganese-Nickel Ferrite- $Mn_{0.5}Ni_{0.5}Fe_2O_4$	IEEE T MAGN	50	3E+06	2014	0.403				
14	Deraz, NM; Abd- Elkader, OH	Synthesis and Characterization of $FeO/Ni_{0.5}Mn_{0.5}Fe_2O_4$ Nano-Composite	ASIAN J CHEM	26	2141	2014	0.033				
15	Silva, MDP; Silva, FC; Sinfronio, FSM; Paschoal, AR; Silva, EN; Paschoal, CWA	The effect of cobalt substitution in crystal structure and vibrational modes of $CuFe_2O_4$ powders obtained by polymeric precursor method	J ALLOY COMPD	584	573	2014	0.557				
16	Anwar, H; Maqsood, A	Comparison of structural and electrical properties of Co^{2+} doped Mn-Zn soft nano ferrites prepared via coprecipitation and hydrothermal methods	MATER RES BULL	49	426	2014	0.458				
17	Anwar, H; Maqsood, A; Pervaiz, E	Structural, Magnetic, and Dielectric Properties of PEG Assisted Synthesis of $Mn_{0.5}Ni_{0.5}Fe_2O_4$ Nanoferrites	J SUPERCO ND NOV MAGN	26	2955	2013	0.205				
18	Hassan, HE; Sharshar, T; Hessien, MM; Hemeda, OM	Effect of gamma-rays irradiation on Mn-Ni ferrites: Structure, magnetic properties and positron annihilation studies	NUCL INSTRUM METH B	304	72	2013	0.392				
19	Sutka, A; Mezinskis, G; Jakovlevs, D; Korsaks, V	Sol-gel combustion synthesis of $CdFe_2O_4$ ferrite by using various reducing agents	J AUST CERAM SOC	49	136	2013	0.142				
20	Sutka, A; Mezinskis, G; Lusiis, A; Jakovlevs, D	Influence of iron non-stoichiometry on spinel zinc ferrite gas sensing properties	SENSOR ACTUAT B-CHEM	171	204	2012	0.763				
21	Sutka, A; Mezinskis, G	Sol-gel auto-combustion synthesis of spinel-type ferrite nanomaterials	FRONT MATER SCI	6	128	2012	0.000				



22	Cheng, SL; Lin, JG; Kuo, KM; Chern, G		Cation distribution in nickel manganese oxide		J APPL PHYS		111		7A321	2012	0.796				
23	Wen, W; Wu, JM; Tu, JP		A novel solution combustion synthesis of cobalt oxide nanoparticles as negative-electrode materials for lithium ion batteries		J ALLOY COMPD		513		592	2012	0.547				
		Ciomaga, CE; Dumitru, I; Mitoseriu, L; Galassi, C; Iordan, AR; Airimioaei, M; Palamaru, MN		Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials		SCRIPT A MATER		62	610	2010		7	5.67	13	2.2941
1	Liu, S; Luo, H; Yan, SQ; Yao, LL; He, J; Li, YH; He, LH; Huang, SX; Deng, LW		Effect of Nd-doping on structure and microwave electromagnetic properties of BiFeO ₃		J MAGN MAGN MATER		426		267	2017	0.470				
2	Galizia, P; Baldisserri, C; Capiani, C; Galassi, C		Multiple parallel twinning overgrowth in nanostructured dense cobalt ferrite		MATER DESIGN		109		19	2016	0.928				
3	Wang, X; Song, K; Gong, W; Luo, H; Yan, SQ; Gong, RZ		Tunable Electromagnetic and Microwave Absorption Properties of Ba ₃ Co ₂ Fe ₂₄ O ₄₁ /P(VDF-TrFE) Composites		IEEE T MAGN		52		3E+06	2016	0.358				
4	Petzelt, J; Nuzhnyy, D		Broadband dielectric spectroscopy of inhomogeneous and composite weak conductors		PHASE TRANSIT		89		651	2016	0.223				
5	Han, YM; Li, LX; Wang, F; Yuan, YJ; Miao, YP; Zhao, JS; Zhang, KL		Electric-field switch of magnetization in BaTiO ₃ -Na _{0.5} Bi _{0.5} TiO ₃ -NiFe ₂ O ₄ composite		J MATER SCI-MATER EL		26		8261	2015	0.234				
6	Wang, X; Li, QF; Su, ZJ; Gong, W; Gong, RZ; Chen, YJ; Harris, VG		Enhanced microwave absorption of multiferroic Co(2)Z hexaferrite-BaTiO ₃ composites with tunable impedance matching		J ALLOY COMPD		643		111	2015	0.558				
7	Rittidech, A; Sutthapintu, A		Phase Formation, Microstructure, Magnetic and Electrical Properties of (1-x)Mg _{0.7} Zn _{0.3} Fe ₂ O ₄ -xBa _{0.7} Sr _{0.3} TiO ₃ Ceramics Composite		FERROEL ECTRICS		458		227	2014	0.132				



8	Aldrigo, M; Costanzo, A; Masotti, D; Baldisserrri, C; Dumitru, I; Galassi, C		Numerical and experimental characterization of a button-shaped miniaturized UHF antenna on magneto-dielectric substrate		INT J MICROW WIREL T		5		231	2013	0.234				
9	Zhang, ZD; Fan, RH; Shi, ZC; Pan, SB; Yan, KL; Sun, KN; Zhang, JD; Liu, XF; Wang, XL; Dou, SX		Tunable negative permittivity behavior and conductor-insulator transition in dual composites prepared by selective reduction reaction		J MATER CHEM C		1		79	2013	1.006				
10	Aldrigo, M; Costanzo, A; Masotti, D; Galassi, C		Exploitation of a novel magneto-dielectric substrate for miniaturization of wearable UHF antennas		MATER LETT		87		127	2012	0.538				
11	Zhou, JP; Lv, L; Liu, Q; Zhang, YX; Liu, P		Hydrothermal synthesis and properties of NiFe ₂ O ₄ @BaTiO ₃ composites with well-matched interface		SCI TECHNOL ADV MAT		13		45001	2012	1.238				
12	Gao, M; Shi, ZC; Fan, RH; Qian, L; Zhang, ZD; Guo, JY		High-Frequency Negative Permittivity from Fe/Al ₂ O ₃ Composites with High Metal Contents		J AM CERAM SOC		95		67	2012	0.710				
13	Wang, HM; Pan, E; Chen, WQ		Large multiple resonance of magnetoelectric effect in a multiferroic composite cylinder with an imperfect interface		PHYS STATUS SOLIDI B		248		2180	2011	0.504				
		Ricinski, D; Ciomaga, CE; Mitoseriu, L; Buscaglia, V; Okuyama, M		Ferroelectric-relaxor crossover characteristics in Ba(ZrxTi1-x)O-3 ceramics investigated by AFM-piezoresponse study		J EUR CERAM SOC		30	237	2010		5	5.00	17	3.4
1	Ma, YB; Molin, C; Shvartsman, VV; Gebhardt, S; Lupascu, DC; Albe, K; Xu, BX		State transition and electrocaloric effect of BaZrxTi1-xO ₃ : Simulation and experiment		J APPL PHYS		121			2017	0.637				
2	Hou, Y; Yang, L; Qian, XS; Zhang, T; Zhang, QM		Electrocaloric response near room temperature in Zr- and Sn-doped BaTiO ₃ systems		PHILOS T R SOC A		374		2E+07	2016	1.368				
3	Hou, Y; Yang, L; Qian, XS; Zhang, T; Zhang, QM		Enhanced electrocaloric effect in composition gradient bilayer thick films		APPL PHYS LETT		108		133501	2016	1.045				



4	Alluri, NR; Saravanakumar, B; Kim, SJ		Flexible, Hybrid Piezoelectric Film (BaTi(1-x)ZrxO3)/PVDF Nanogenerator as a Self-Powered Fluid Velocity Sensor		ACS APPL MATER INTER		7		9831	2015	1.462				
5	Omari, LH; Sayouri, S; Lamcharfi, T; Hajji, L		Study of dielectric relaxation and diffuseness character of sol-gel derived Pb1-xLax(Fe0.03Ti0.97)O-3 ceramics synthesized at lower temperature for modern nano-technological devices		J ELECTRO CERAM		34		28	2015	0.367				
6	Pal, M; Liu, M; Ma, CR; Chen, CL; Guo, R; Bhalla, A		Ferroelectric-relaxor behavior of highly epitaxial Barium Zirconium Titanate thin films		J NANO RES-SW		34		67	2015	0.083				
7	Horchidan, N; Ianculescu, AC; Vasilescu, CA; Deluca, M; Musteata, V; Ursic, H; Frunza, R; Malic, B; Mitoseriu, L		Multiscale study of ferroelectric-relaxor crossover in BaS _n Ti1-xO3 ceramics		J EUR CERAM SOC		34		3661	2014	0.672				
8	Curecheriu, LP; Deluca, M; Mocanu, ZV; Pop, MV; Nica, V; Horchidan, N; Buscaglia, MT; Buscaglia, V; van Bael, M; Hardy, A; Mitoseriu, L		Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO3 ceramics by impedance spectroscopy and Raman study		PHASE TRANSIT		86		703	2013	0.288				
9	Coondoo, I; Panwar, N; Amorin, H; Alguero, M; Kholkin, AL		Synthesis and characterization of lead-free 0.5Ba(Zr0.2Ti0.8)O-3-0.5(Ba0.7Ca0.3)TiO3 ceramic		J APPL PHYS		113		214107	2013	0.724				
10	Lin, W; Fan, LL; Lin, DM; Zheng, QJ; Fan, XM; Sun, HL		Phase transition, ferroelectric and piezoelectric properties of Ba1-xCaxTi1-yZryO3 lead-free ceramics		CURR APPL PHYS		13		159	2013	0.471				
11	Chen, J; Fu, CL; Cai, W; Chen, G; Ran, SN		Microstructures, dielectric and ferroelectric properties of BaHf _x Ti1-xO3 ceramics		J ALLOY COMPD		544		82	2012	0.547				
12	Kruea-In, C; Eitssayeam, S; Pengpat, K; Rujijanagul, G		High dielectric constant observed in (1-x)Ba(Zr0.07Ti0.93)O-3-xBa(Fe0.5Nb0.5)O-3 binary solid-solution		MATER RES BULL		47		2859	2012	0.522				



13	Khelifi, H; Aydi, A; Abdelmoula, N; Simon, A; Maalej, A; Khemakhem, H; Maglione, M		Structural and dielectric properties of Na _{1-x} Ba _x Nb _{1-x} (Sn _{0.5} Ti _{0.5}) _x O-3 ceramics		J MATER SCI		47		1943	2012	0.590				
14	Ianculescu, A; Mocanu, ZV; Curecheriu, LP; Mitoseriu, L; Padurariu, L; Trusca, R		Dielectric and tunability properties of La-doped BaTiO ₃ ceramics		J ALLOY COMPD		509		10040	2011	0.509				
15	Julphunthong, P; Bongkarn, T		Phase formation, microstructure and dielectric properties of Ba(Zr _{0.1} Ti _{0.9})O-3 ceramics prepared via the combustion technique		CURR APPL PHYS		11		S60	2011	0.503				
16	Horchidan, N; Ianculescu, AC; Curecheriu, LP; Tudorache, F; Musteata, V; Stoleriu, S; Dragan, N; Crisan, D; Tascu, S; Mitoseriu, L		Preparation and characterization of barium titanate stannate solid solutions		J ALLOY COMPD		509		4731	2011	0.509				
17	Badapanda, T; Rout, SK; Cavalcante, LS; Sczancoski, JC; Panigrahi, S; Sinha, TP; Longo, E		Structural and dielectric relaxor properties of yttrium-doped Ba(Zr _{0.25} Ti _{0.75})O-3 ceramics		MATER CHEM PHYS		121		147	2010	0.690				
		Ciomaga, CE; Galassi, C; Prihor, F; Dumitru, I; Mitoseriu, L; Iordan, AR; Airimioaei, M; Palamaru, MN		Preparation and properties of the CoFe₂O₄-Nb-Pb(Zr,Ti)O-3 multiferroic composites prepared in situ by gel-combustion method		J ALLOY COMPD		485	372	2009		8	6.00	11	1.8333
1	Galizia, P; Baldisserri, C; Capiani, C; Galassi, C		Multiple parallel twinning overgrowth in nanostructured dense cobalt ferrite		MATER DESIGN		109		19	2016	0.928				



2	Grigalaitis, R; Petrovic, MMV; Baltrunas, D; Mazeika, K; Stojanovic, BD; Banys, J	Broadband dielectric and Mossbauer studies of BaTiO ₃ - NiFe ₂ O ₄ composite multiferroics	J MATER SCI- MATER EL	26	9727	2015	0.234				
3	Curecheriu, LP; Buscaglia, MT; Maglia, F; Anselmi- Tamburini, U; Buscaglia, V; Mitoseriu, L	Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure	APPL PHYS LETT	105	252901	2014	1.125				
4	Raneesh, B; Soumya, H; Philip, J; Thomas, S; Nandakumar, K	Magnetoelectric properties of multiferroic composites (1-x) ErMnO ₃ -xY(3)Fe(5)O(12) at room temperature	J ALLOY COMPD	611	381	2014	0.557				
5	Rani, J; Yadav, KL; Prakash, S	Enhanced magnetodielectric effect and optical property of lead-free multiferroic (1- x)(Bi _{0.5} Na _{0.5})TiO ₃ /xCoFe(2)O(4) composites	MATER CHEM PHYS	147	1183	2014	0.543				
6	Dang-Hyok, Y; Raju, K; Bong-Ki, M; Reddy, PV	Synthesis and characterization of microwave sintered ferromagnetic-ferroelectric perovskite composites	CERAM INT	40	13497	2014	0.452				
7	Acevedo, U; Gaudisson, T; Ortega- Zempoalteca, R; Nowak, S; Ammar, S; Valenzuela, R	Magnetic properties of ferrite- titanate nanostructured composites synthesized by the polyol method and consolidated by spark plasma sintering	J APPL PHYS	113	17B51 9	2013	0.724				
8	Ren, ZH; Xiao, Z; Yin, SM; Mai, JQ; Liu, ZY; Xu, G; Li, X; Shen, G; Han, GR	Preparation and characterization of single-crystal multiferroic nanofiber composites	J ALLOY COMPD	552	518	2013	0.534				
9	Leonel, LV; Silva, JB; Albuquerque, AS; Ardisson, JD; Macedo, WAA; Mohallem, NDS	Structural and Mossbauer investigation on barium titanate- cobalt ferrite composites	J PHYS CHEM SOLIDS	73	1362	2012	0.436				



10	Baber, SM; Lin, QL; Zou, GF; Haberkorn, N; Baily, SA; Wang, HY; Bi, ZX; Yang, H; Deng, SG; Hawley, ME; Cival, L; Bauer, E; McCleskey, TM; Burrell, AK; Jia, QX; Luo, HM		Magnetic Properties of Self-Assembled Epitaxial Nanocomposite CoFe ₂ O ₄ :SrTiO ₃ and CoFe ₂ O ₄ :MgO Films		J PHYS CHEM C		115		25338	2011	1.342				
11	Zhu, L; Dong, YL; Zhang, XH; Yao, YY; Weng, WJ; Han, GR; Ma, N; Du, PY		Microstructure and properties of sol-gel derived PbTiO ₃ /NiFe ₂ O ₄ multiferroic composite thin film with the two nano-crystalline phases dispersed homogeneously		J ALLOY COMPD		503		426	2010	0.471				
		Iordan, AR; Airimioaiei, M; Palamaru, MN; Galassi, C; Sandu, AV; Ciomaga, CE; Prihor, F; Mitoseriu, L; Ianculescu, A		In situ preparation of CoFe₂O₄-Pb(ZrTi)O₃ multiferroic composites by gel-combustion technique		J EUR CERAM SOC		29	2807	2009		9	6.33	18	2.8421
1	Curecheriu, LP; Buscaglia, MT; Maglia, F; Padurariu, C; Ciobanu, G; Anselmi-Tamburini, U; Buscaglia, V; Mitoseriu, L		Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach		J APPL PHYS		121		144101	2017	0.637				
2	Fernandez, CP; Zabotto, FL; Garcia, D; Kiminami, RHGA		In situ sol gel co-synthesis under controlled pH and microwave sintering of PZT/CoFe ₂ O ₄ magnetoelectric composite ceramics		CERAM INT		42		3239	2016	0.465				
3	Fernandez, CP; Kiminami, RHGA; Garcia, D		Structural and dielectric properties of multiferroic (1-x)(0.675PMN-0.325PT)/(x)CoFe ₂ O ₄ particulate composites obtained by microwave sintering		INTEGR FERROEL ECTR		174		146	2016	0.079				
4	Galizia, P; Ciuchi, IV; Gardini, D; Baldisserri, C; Galassi, C		Bilayer thick structures based on CoFe ₂ O ₄ /TiO ₂ composite and niobium-doped PZT obtained by electrophoretic deposition		J EUR CERAM SOC		36		373	2016	0.674				



5	Mondal, RA; Murty, BS; Murthy, VRK	Dielectric, magnetic and enhanced magnetoelectric response in high energy ball milling assisted BST-NZF particulate composite	MATER CHEM PHYS	167	338	2015	0.479				
6	Dipti; Junej, JK; Singh, S; Raina, KK; Prakash, C	Enhancement in magnetoelectric coupling in PZT based composites	CERAM INT	41	6108	2015	0.465				
7	Adhlakha, N; Yadav, KL; Singh, R	Effect of BaTiO ₃ addition on structural, multiferroic and magneto-dielectric properties of 0.3CoFe(2)O(4)-0.7BiFeO(3) ceramics	SMART MATER STRUCT	23	105024	2014	0.745				
8	Curecheriu, L; Postolache, P; Buscaglia, MT; Buscaglia, V; Ianculescu, A; Mitoseriu, L	Novel magnetoelectric ceramic composites by control of the interface reactions in Fe ₂ O ₃ @BaTiO ₃ core-shell structures	J APPL PHYS	116	84102	2014	0.682				
9	Andrew, JS; Starr, JD; Budi, MAK	Prospects for nanostructured multiferroic composite materials	SCRIPTA MATER	74	38	2014	1.169				
10	Zhou, JP; Lv, L; Liu, Q; Zhang, YX; Liu, P	Hydrothermal synthesis and properties of NiFe ₂ O ₄ @BaTiO ₃ composites with well-matched interface	SCI TECHNOL ADV MAT	13	45001	2012	1.238				
11	Basu, S; Babu, KR; Choudhary, RNP	Studies on the piezoelectric and magnetostrictive phase distribution in lead zirconate titanate-cobalt iron oxide composites	MATER CHEM PHYS	132	570	2012	0.593				
12	Zhou, DX; Shi, F; Gong, SP; Fu, QY	Synthesis and stabilization of BaTiO ₃ /CoFe ₂ O ₄ ferrocolloids	ADV MATER RES- SWITZ	415 - 417	362	2012	0.000				
13	Lisnevskaya, IV; Bobrova, IA; Lupeiko, TG	Comparison of the Properties of PZTNB-1+Ni _{0.9} Co _{0.1} Cu _{0.1} Fe _{1.9} O ₄ -delta Magnetoelectric Composites Manufactured from Components Synthesized by Sol-Gel Processes	RUSS J INORG CHEM+	57	84	2012	0.107				
14	Zhou, DX; Jian, G; Zheng, YN; Gong, SP; Shi, F	Electrophoretic deposition of BaTiO ₃ /CoFe ₂ O ₄ multiferroic composite films	APPL SURF SCI	257	7621	2011	0.550				



15	Yang, HB; Wang, H; He, L; Shui, L; Yao, X		Polarization relaxation mechanism of Ba _{0.6} Sr _{0.4} TiO ₃ /Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ composite with giant dielectric constant and high permeability		J APPL PHYS		108		74105	2010	0.875				
16	Yang, HB; Wang, H; Shui, L; He, L		Hybrid processing and properties of Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ /Ba _{0.6} Sr _{0.4} TiO ₃ magnetodielectric composites		J MATER RES		25		1803	2010	0.676				
17	Curecheriu, LP; Buscaglia, MT; Buscaglia, V; Mitoseriu, L; Postolache, P; Ianculescu, A; Nanni, P		Functional properties of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ magnetoelectric ceramics prepared from powders with core-shell structure		J APPL PHYS		107		104106	2010	0.875				
18	Basu, S; Babu, KR; Choudhary, RNP		Comments on the Nature of Piezoelectric and Magnetostrictive Phase Distribution in Pb(Zr _{0.53} Ti _{0.47})O ₃ -CoFe ₂ O ₄ Composites		ELECTRO CHEM SOLID ST		13		G47	2010	0.787				
		Curecheriu, LP; Ciomaga, CE; Mitoseriu, L		Temperature-Dependent Tunability in the Paraelectric State of BaTiO₃-Based Solid Solutions		FERRO ELECTRICS		391	83	2009		3	3.00	2	0.6667
1	Abdelkafi, Z; Abdelmoula, N; Khemakhem, H		Temperature Evolution of Physical Properties of BaTi _{0.9} (Nb _{0.5} Yb _{0.5})(0.1)O-3 Lead-Free Ceramic		J ELECTRO N MATER		45		6019	2016	0.363				
2	Deluca, M; Stoleriu, L; Curecheriu, LP; Horchidan, N; Ianculescu, AC; Galassi, C; Mitoseriu, L		High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics		J APPL PHYS		111		84102	2012	0.796				
		Mitoseriu, L; Pallecchi, I; Buscaglia, V; Testino, A; Ciomaga, CE; Stancu, A		Magnetic properties of the BaTiO₃-(Ni, Zn) Fe₂O₄ multiferroic composites		J MAGN MAGN MATER		316	E603	2007		6	5.33	24	4.5



1	Chauhan, R; Srivastava, RC	Various properties of the 0.6BaTiO ₃ -(0.4Ni(0.5)Zn(0.5)Fe(2)O(4) multiferroic nanocomposite	PRAMAN A-J PHYS	87	45	2016	0.187						
2	Rao, GG; Samatha, K; Bharadwaj, S; Dasari, MP	Effect of lithium ferrite on ferroelectric and magnetic characteristics of barium titanate for high frequency applications	MOD PHYS LETT B	30	2E+06	2016	0.133						
3	Fernandez, CP; Zabotto, FL; Garcia, D; Kiminami, RHGA	In situ sol gel co-synthesis under controlled pH and microwave sintering of PZT/CoFe ₂ O ₄ magnetoelectric composite ceramics	CERAM INT	42	3239	2016	0.465						
4	Dipti; Singh, S; Juneja, JK; Raina, KK; Pant, RP; Kotnala, RK; Prakash, C	Synthesis and characterization of PZT: CF magnetoelectric composites	INTEGR FERROEL ECTR	176	109	2016	0.079						
5	Pachari, S; Pratihar, SK; Nayak, BB	Enhanced magneto-capacitance response in BaTiO ₃ -ferrite composite systems	RSC ADV	5	105609	2015	0.628						
6	Adhlakha, N; Yadav, KL	Study of Dielectric, Magnetic and Magnetoelectric Behavior of (x)NZF-(1-x)PLSZT Multiferroic Composites	IEEE T DIELECT EL IN	21	2055	2014	0.309						
7	Hemeda, OM; Mahmoud, KR; Sharshar, T	Structure, electric properties and positron annihilation studies of CuZnFe ₂ O ₄ doped with BaTiO ₃	EUR PHYS J PLUS	129	173	2014	0.421						
8	Sakanas, A; Grigalaitis, R; Banys, J; Mitoseriu, L; Buscaglia, V; Nanni, P	Broadband dielectric spectroscopy of BaTiO ₃ - Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ composite ceramics	J ALLOY COMPD	602	241	2014	0.557						
9	Grigalaitis, R; Petrovic, MMV; Bobic, JD; Dzunuzovic, A; Sobiestianskas, R; Brilingas, A; Stojanovic, BD; Banys, J	Dielectric and magnetic properties of BaTiO ₃ -NiFe ₂ O ₄ multiferroic composites	CERAM INT	40	6165	2014	0.452						



10	Xiao, B; Zheng, W; Zhu, MK; Zhao, WJ; Ma, N; Du, PY	Multi-field susceptible high-f(c) ceramic composite with atypical topological microstructure and extraordinary electromagnetic properties	J MATER CHEM C	2	7482	2014	1.006				
11	Pahuja, P; Sharma, R; Prakash, C; Tandon, RP	Synthesis and characterization of Ni _{0.8} Co _{0.2} Fe ₂ O ₄ - Ba _{0.95} ST _{0.05} TiO ₃ multiferroic composites	CERAM INT	39	9435	2013	0.439				
12	Koblischka, MR; Koblischka-Veneva, A	Applications of the electron backscatter diffraction technique to ceramic materials	PHASE TRANSIT	86	651	2013	0.288				
13	Xiao, B; Dong, YL; Ma, N; Du, PY	Formation of Sol-Gel In Situ Derived BTO/NZFO Composite Ceramics with Considerable Dielectric and Magnetic Properties	J AM CERAM SOC	96	1240	2013	0.691				
14	Upadhyay, SK; Reddy, VR	Study of 0.9 BaTiO ₃ -0.1 Ni _x Zn _{1-x} Fe ₂ O ₄ magneto- electric composite ceramics	J APPL PHYS	113	114107	2013	0.724				
15	Hemeda, OM; Tawfik, A; Amer, MA; Kamal, BM; El Refaay, DE	The structural, spectral and dielectric properties of composite system NZF-BT			110	2013	0.000				
16	Xiao, B; Ma, N; Du, PY	Percolative NZFO/BTO ceramic composite with magnetism threshold	J MATER CHEM C	1	6325	2013	1.006				
17	Bajac, B; Vukmirovic, J; Tokic, I; Ognjanovic, S; Srdic, VV	Synthesis and characterization of multilayered BaTiO ₃ /NiFe ₂ O ₄ thin films	PROCESS APPL CERAM	7	15	2013	0.000				
18	Ahmed, MA; Okasha, N; Imam, NG	Modification of composite ceramics properties via different preparation techniques	J MAGN MAGN MATER	324	4136	2012	0.490				
19	Wang, YA; Wang, YB; Rao, W; Gao, JX; Zhou, WL; Yu, J	Electric and Magnetic Properties of the (1-x) Ba _{0.6} Sr _{0.4} TiO ₃ - xCoFe(2)O(4) Multiferroic Composite Ceramics	CHINESE PHYS LETT	29	67701	2012	0.185				
20	Liu, QX; Tong, JJ; Tang, XG; Jiang, YP	Dielectric Property of 0.45NiFe ₂ O ₄ +0.55BaTiO ₃ Ceramic Composites	INTEGR FERROEL ECTR	139	92	2012	0.119				
21	Koblischka, MR; Koblischka-Veneva, A; Wick, M; Mitoseriu, L; Hartmann, U	Microstructure and magnetic properties of BaTiO ₃ - (Ni,Zn)Fe ₂ O ₄ multiferroics	THIN SOLID FILMS	518	4730	2010	0.642				



22	Curecheriu, LP; Buscaglia, MT; Buscaglia, V; Mitoseriu, L; Postolache, P; Ianculescu, A; Nanni, P		Functional properties of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ magnetoelectric ceramics prepared from powders with core-shell structure		J APPL PHYS		107		104106	2010	0.875				
23	Kambale, RC; Shaikh, PA; Bhosale, CH; Rajpure, KY; Kolekar, YD		Studies on magnetic, dielectric and magnetoelectric behavior of (x) NiFe _{1.9} Mn _{0.1} O ₄ and (1-x) BaZr _{0.08} Ti _{0.92} O ₃ magnetoelectric composites		J ALLOY COMPD		489		310	2010	0.471				
24	Tuan, WH; Chen, SS		Processing and Properties of BaTiO ₃ -Ni Ferroelectric-Ferromagnetic Composites		FERROEL ECTRICS		381		167	2009	0.169				
		Ianculescu, A; Berger, D; Viviani, M; Ciomaga, CE; Mitoseriu, L; Vasile, E; Dragan, N; Crisan, D		Investigation of Ba_{1-x}Sr_xTiO₃ ceramics prepared from powders synthesized by the modified Pechini route		J EUR CERAM SOC		27	3655	2007		8	6.00	23	3.8333
1	Huang, YH; Wu, YJ; Li, J; Liu, B; Chen, XM		Enhanced energy storage properties of barium strontium titanate ceramics prepared by sol-gel method and spark plasma sintering		J ALLOY COMPD		701		439	2017	0.558				
2	Gu, QL; Sun, QM; Zhu, KJ; Zhang, CX; Liu, JS; Wang, J; Qiu, JH		Elucidating the effects of high temperature mixing method under hydrothermal condition (HTMM) on grain refinements and assembling structures		POWDER TECHNOL		305		440	2017	0.587				
3	Vryonis, O; Anastassopoulos, DL; Vradis, AA; Psarras, GC		Dielectric response and molecular dynamics in epoxy-BaSrTiO ₃ nanocomposites: Effect of nanofiller loading		POLYMER		95		82	2016	0.796				
4	Ianculescu, A; Pintilie, I; Vasilescu, CA; Botea, M; Iuga, A; Melinescu, A; Dragan, N; Pintilie, L		Intrinsic pyroelectric properties of thick, coarse grained Ba _{1-x} Sr _x TiO ₃ ceramics		CERAM INT		42		10338	2016	0.465				



5	Saeed, A; Ruthramurthy, B; Yong, WH; Hoong, OB; Ban, TK; Kwang, YH	Structural and dielectric properties of iron doped barium strontium titanate for storage applications	J MATER SCI- MATER EL	26	9859	2015	0.234				
6	Ianculescu, AC; Vasilescu, CA; Crisan, M; Raileanu, M; Vasile, BS; Calugaru, M; Crisan, D; Dragan, N; Curecheriu, L; Mitoseriu, L	Formation mechanism and characteristics of lanthanum- doped BaTiO ₃ powders and ceramics prepared by the sol-gel process	MATER CHARACT	106	195	2015	0.741				
7	Tian, YS; Gong, YS; Zhang, ZL; Meng, DW	Phase evolutions and electric properties of BaTiO ₃ ceramics by a low-temperature sintering process	J MATER SCI- MATER EL	25	5467	2014	0.248				
8	Rashad, MM; Turkey, AO; Kandil, AT	Optical and electrical properties of Ba _{1-x} Sr (x) TiO ₃ nanopowders at different Sr ²⁺ ion content	J MATER SCI- MATER EL	24	3284	2013	0.272				
9	Osinska, K; Czekaj, D	Thermal behavior of BST//PVDF ceramic-polymer composites	J THERM ANAL CALORIM	113	69	2013	0.262				
10	Cirkovic, J; Vojisavljevic, K; Scepanovic, M; Recnik, A; Brankovic, G; Brankovic, Z; Sreckovic, T	Hydrothermally assisted complex polymerization method for barium strontium titanate powder synthesis	J SOL-GEL SCI TECHN	65	121	2013	0.362				
11	Zhang, C; Qu, YF	Dielectric properties and phase transitions of La ₂ O ₃ - and Sb ₂ O ₃ -doped barium strontium titanate ceramics	T NONFERR METAL SOC	22	2742	2012	0.258				
12	Abdel-Khalek, EK	Dielectric Anomaly in La _{0.7} Sr _{0.3} Fe _{0.05} Mn _{0.95} O ₃ /BaTiO ₃ Composite	FERROEL ECTRICS	437	16	2012	0.139				
13	Visinescu, D; Jurca, B; Ianculescu, A; Carp, O	Starch - A suitable fuel in new low-temperature combustion- based synthesis of zinc aluminate oxides	POLYHED RON	30	2824	2011	0.388				
14	Dong, D; Liu, XB; Yu, HX; Hu, WC	Fabrication of highly dispersed crystallized nanoparticles of barium strontium titanate in the presence of N,N-	CERAM INT	37	579	2011	0.535				



			dimethylacetamide																
15	Pookmanee, P; Phanichphant, S		Characterization of Ba _{0.77} Sr _{0.23} TiO ₃ powder prepared from an oxalate co- precipitation and an impregnation method	J CERAM PROCESS RES		11		384	2010	0.145									
16	Zhang, XF; Xu, Q; Huang, YH; Liu, HX; Huang, DP; Zhang, F		Low-temperature synthesis of superfine barium strontium titanate powder by the citrate method	CERAM INT		36		1405	2010	0.496									
17	Ianculescu, A; Berger, D; Matei, C; Budrugaec, P; Mitoseriu, L; Vasile, E		Synthesis of BaTiO ₃ by soft chemistry routes	J ELECTRO CERAM		24		46	2010	0.465									
18	Ianculescu, A; Mitoseriu, L		BA(TI,ZR)O ₃ -3 - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS	ADV NANOTEC HNOL		3		59	2010	0.000									
19	Ianculescu, A; Mitoseriu, L		Ba(Ti,Zr)O ₃ -Functional Materials: From Nanopowders to Bulk Ceramics	NANOTEC HNOL SCI TECH				1	2010	0.000									
20	Curecheriu, LP; Mitoseriu, L; Ianculescu, A		Nonlinear dielectric properties of Ba _{1-x} Sr _x TiO ₃ ceramics	J ALLOY COMPD		482		1	2009	0.488									
21	Singh, AK; Barik, SK; Choudhary, RNP; Mahapatra, PK		Ac conductivity and relaxation mechanism in Ba _{0.9} Sr _{0.1} TiO ₃	J ALLOY COMPD		479		39	2009	0.488									
22	Souza, IA; Cavalcante, LS; Sczancoski, JC; Moura, F; Paiva- Santos, CO; Varela, JA; Simoes, AZ; Longo, E		Structural and dielectric properties of Ba _{0.5} Sr _{0.5} (Sn _x Ti _{1-x}) O ₃ ceramics obtained by the soft chemical method	J ALLOY COMPD		477		877	2009	0.488									
23	Ianculescu, A; Berger, D; Mitoseriu, L; Curecheriu, LP; Drgan, N; Crisan, D; Vasile, E		Properties of Ba _{1-x} Sr _x TiO ₃ Ceramics Prepared by the Modified-Pechini Method	FERROEL ECTRICS		369		22	2008	0.176									



		Mitoseriu, L; Ciomaga, CE; Buseaglia, V; Stoleriu, L; Piazza, D; Galassi, C; Stancu, A; Nanni, P		Hysteresis and tunability characteristics of Ba(Zr,Ti)O-3 ceramics described by First Order Reversal Curves diagrams		J EUR CERAM SOC		27	3723	2007		8	6.00	15	2.5
1	Wu, LW; Wang, XH; Shen, ZB; Li, LT		Ferroelectric to Relaxor Transition in BaTiO ₃ - Bi(Zn ₂ /3Nb ₁ /3)O-3 Ceramics		J AM CERAM SOC		100		265	2017	0.663				
2	Wang, YL; Cai, K; Shao, TM; Zhao, Q; Guo, D		Low-cost (0.1BiYbO(3)- 0.9PbTiO(3))-PbZrO ₃ -xMn high Curie temperature piezoelectric ceramics with improved high- temperature performance		J APPL PHYS		117		164102	2015	0.637				
3	Liu, H; Zhang, BP; Pei, Y; Lei, Z; Wang, KS; Liu, YT		Effects of sintering temperature on structure and properties of BY-PT-PMN ternary piezoelectric ceramics		J MATER RES		30		782	2015	0.573				
4	Omari, LH; Sayouri, S; Lamcharfi, T; Hajji, L		Study of dielectric relaxation and diffuseness character of sol-gel derived Pb1- xLax(Fe0.03Ti0.97)O-3 ceramics synthesized at lower temperature for modern nano-technological devices		J ELECTRO CERAM		34		28	2015	0.367				
5	Suslov, AN; Durilin, DA; Ovchar, OV; Belous, AG; Jancar, B; Spreitzer, M		Synthesis and dielectric and nonlinear properties of BaTi1-x Zr (x) O-3 ceramics		INORG MATER+		50		1125	2014	0.132				
6	Wang, YL; Cai, K; Jiang, F; Zhang, JY; Guo, D		Mn doped hard type perovskite high-temperature BYPT-PZN ternary piezoelectric ceramics		SENSOR ACTUAT A-PHYS		216		335	2014	0.566				
7	Suslov, A; Durilin, D; Ovchar, O; Belous, A; Bovtun, V; Kempa, M; Jancar, B; Spreitzer, M		Synthesis and Dielectric Properties of BaTi1-xZrxO ₃ - based Ceramic and Film Materials						66	2014	0.000				
8	Shi, L; Liao, QW; Zhang, BP; Zhang, JY; Guo, D		Structure and electrical properties of (1-x)(0.1BiYbO(3)- 0.9PbTiO(3))-xPb (Zn1/3Nb2/3)O-3 high- temperature ternary piezoelectric ceramics		MATER LETT		114		100	2014	0.476				



9	Rani, R; Singh, S; Juneja, JK; Raina, KK; Prakash, C		Structural, Dielectric, Ferroelectric and Ferromagnetic Properties of Ba _{0.9} Sr _{0.1} Zr _x Ti _{1-x} O ₃ +5% Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ Composite		FERROELECTRICS LETT		38		134	2011	0.133				
10	Fujii, I; Ugorek, M; Troler-McKinstry, S		Grain size effect on the dielectric nonlinearity of BaTiO ₃ ceramics		J APPL PHYS		107		104116	2010	0.875				
11	Badapanda, T; Rout, SK; Cavalcante, LS; Sezancoski, JC; Panigrahi, S; Sinha, TP; Longo, E		Structural and dielectric relaxor properties of yttrium-doped Ba(Zr _{0.25} Ti _{0.75})O ₃ ceramics		MATER CHEM PHYS		121		147	2010	0.690				
12	Ianculescu, A; Mitoseriu, L		BA(TLZR)O ₃ - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS		ADV NANOTEC HNOL		3		59	2010	0.000				
13	Ianculescu, A; Mitoseriu, L		Ba(Ti,Zr)O ₃ -Functional Materials: From Nanopowders to Bulk Ceramics		NANOTEC HNOL SCI TECH				1	2010	0.000				
14	Kumar, P; Singh, S; Juneja, JK; Prakash, C; Raina, KK		Influence of samarium substitution on dielectric properties of barium titanate based ceramics		MOD PHYS LETT B		23		3419	2009	0.187				
15	Kumar, P; Singh, S; Juneja, JK; Prakash, C; Raina, KK		Ferroelectric properties of substituted barium titanate ceramics		PHYSICA B		404		1752	2009	0.343				
		Ciomaga, C; Viviani, M; Buscaglia, MT; Buscaglia, V; Mitoseriu, L; Stancu, A; Nanni, P		Preparation and characterisation of the Ba(Zr,Ti)O₃ ceramics with relaxor properties		JEUR CERAM SOC		27	4061	2007		7	5.67	43	7.5882
1	Amarande, L; Miclea, C; Cioangher, M; Pasuk, I; Iuga, A; Pintilie, I		Intrinsic and extrinsic effects near orthorhombic-tetragonal phase transition in barium titanate ceramics doped with small amounts of zirconium		CERAM INT		43		4919	2017	0.465				
2	Abdelkafi, Z; Abdelmoula, N; Khemakhem, H		Temperature Evolution of Physical Properties of BaTi _{0.9} (Nb _{0.5} Yb _{0.5})(0.1)O ₃ Lead-Free Ceramic		J ELECTRO N MATER		45		6019	2016	0.363				



3	Zheng, S; Li, LX; Luo, WJ; Zheng, HR		Effects of dwell time on dielectric properties and diffuse phase transition behavior of Li ₂ CO ₃ doped BaZr _{0.2} Ti _{0.8} O ₃ ceramic	J MATER SCI-MATER EL		27		9265	2016	0.234				
4	Sun, Z; Li, LX; Zheng, HR; Luo, LJ		Dielectric properties and diffuse phase transition behavior of CuO-doped lead-free Ba(ZrxTi1-x)O-3 ceramics	CERAM INT		42		12246	2016	0.465				
5	Sun, Z; Li, LX; Li, JT; Zheng, HR; Luo, WJ		Influence of Nb ₂ O ₅ addition on dielectric properties and diffuse phase transition behavior of BaZr _{0.2} Ti _{0.8} O ₃ ceramics	CERAM INT		42		10833	2016	0.465				
6	Sun, Z; Li, LX; Zheng, HR; Yu, SH; Xu, D		Effects of sintering temperature on the microstructure and dielectric properties of BaZr _{0.2} Ti _{0.8} O ₃ ceramics	CERAM INT		41		12158	2015	0.465				
7	Jinwoong, K; Shima, H; Yamamoto, T; Yasui, S; Funakubo, H; Yamada, T; Nishida, K		Ba(ZrxTi1-x)O-3 thin films for tunable microwave applications	CERAM INT		41		S323	2015	0.465				
8	Curecheriu, L; Petrovic, MMV; Bobic, JD; Stojanovic, BD		Nonlinear properties of antimony-doped BaTiO ₃ ceramics	APPL PHYS A-MATER		119		681	2015	0.390				
9	Omari, LH; Sayouri, S; Lamcharfi, T; Hajji, L		Study of dielectric relaxation and diffuseness character of sol-gel derived Pb1-xLax(Fe0.03Ti0.97)O-3 ceramics synthesized at lower temperature for modern nano-technological devices	J ELECTRO CERAM		34		28	2015	0.367				
10	Oksuz, KE; Sen, S; Sen, U		Microstructural evaluation and characterization of solid-state reaction of B ₂ O ₃ doped BaZrxTi1-xO ₃ ceramics	J AUST CERAM SOC		51		137	2015	0.142				
11	Aghayan, M; Zak, AK; Behdani, M; Hashim, AM		Sol-gel combustion synthesis of Zr-doped BaTiO ₃ nanopowders and ceramics: Dielectric and ferroelectric studies	CERAM INT		40		16141	2014	0.452				



12	Horchidan, N; Ianculescu, AC; Vasilescu, CA; Deluca, M; Musteata, V; Ursic, H; Frunza, R; Malic, B; Mitoseriu, L	Multiscale study of ferroelectric-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics	J EUR CERAM SOC	34	3661	2014	0.672				
13	Mahesh, MLV; Prasad, VVB; James, AR	Enhanced dielectric and ferroelectric properties of lead-free Ba(Zr _{0.15} Ti _{0.85})O ₃ ceramics compacted by cold isostatic pressing	J ALLOY COMPD	611	43	2014	0.557				
14	Woong, KJ; Shima, H; Yamamoto, T; Yasui, S; Funakubo, H; Yamada, T; Nishida, K	Preparation and characterization of Ba(Zr _x Ti _{1-x})O ₃ thin films for high-frequency applications	JPN J APPL PHYS	53	09PB04	2014	0.218				
15	Kaddoussi, H; Abdelmoula, N; Gagou, Y; Mezzane, D; Khemakhem, H; Elmarssi, M	X-ray diffraction, dielectric and Raman spectroscopy studies of Ba _{1-x} Nd _{2x/3} (Ti _{0.9} Zr _{0.1})O ₃ ceramics	CERAM INT	40	10255	2014	0.452				
16	Kajtoch, C; Bak, W; Garbarz-Glos, B; Stanuch, K; Tejchman, W; Mroczka, K; Czeppe, T	Influence of Sr and Zr Substitution on Dielectric Properties of (Ba _{1-x} Sr _x)(Ti _{1-x} Zr _x)O ₃	FERROEL ECTRICS	463	130	2014	0.132				
17	Liang, DY; Zhu, XH; Zhu, JL; Zhu, JG; Xiao, DQ	Effects of CuO addition on the structure and electrical properties of low temperature sintered Ba(Zr,Ti)O ₃ lead-free piezoelectric ceramics	CERAM INT	40	2585	2014	0.452				
18	Sun, ZX; Pu, YP; Dong, ZJ; Hu, Y; Liu, XY; Wang, PK	Effect of Zr ⁴⁺ content on the T-C range and dielectric and ferroelectric properties of BaZr _x Ti _{1-x} O ₃ ceramics prepared by microwave sintering	CERAM INT	40	3589	2014	0.452				
19	Mahesh, MLV; Prasad, VVB; James, AR	Effect of sintering temperature on the microstructure and electrical properties of zirconium doped barium titanate ceramics	J MATER SCI-MATER EL	24	4684	2013	0.272				



20	Garbarz-Glos, B; Bak, W; Molak, A; Kalvane, A		Microstructure, calorimetric and dielectric investigation of hafnium doped barium titanate ceramics		PHASE TRANSIT		86		917	2013	0.288				
21	Curecheriu, LP; Deluca, M; Mocanu, ZV; Pop, MV; Nica, V; Horchidan, N; Buscaglia, MT; Buscaglia, V; van Bael, M; Hardy, A; Mitoseriu, L		Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO ₃ ceramics by impedance spectroscopy and Raman study		PHASE TRANSIT		86		703	2013	0.288				
22	Zheng, P; Zhang, JL; Qin, HB; Song, KX; Wu, J; Ying, ZH; Zheng, L; Deng, JX		MnO ₂ -Modified Ba(Ti,Zr)O-3 Ceramics with High Q (m) and Good Thermal Stability		J ELECTRO N MATER		42		1154	2013	0.446				
23	Jarupoom, P; Eitssayeam, S; Pengpat, K; Rujijjanagul, G; Munkadee, A		Effects of Thermal Treatment on Piezoelectric and Dielectric Properties of Zirconium Modified Barium Titanate Ceramics						111	2013	0.000				
24	Hoshina, T; Furuta, T; Yamazaki, T; Takeda, H; Tsurumi, T		Grain Size Effect on Dielectric Properties of Ba(Zr,Ti)O-3 Ceramics		JPN J APPL PHYS		51		09LC04	2012	0.256				
25	Nuzhnyy, D; Petzelt, J; Savinov, M; Ostapchuk, T; Bovtun, V; Kempa, M; Hlinka, J; Buscaglia, V; Buscaglia, MT; Nanni, P		Broadband dielectric response of Ba(Zr,Ti)O-3 ceramics: From incipient via relaxor and diffuse up to classical ferroelectric behavior		PHYS REV B		86		14106	2012	1.429				
26	Deluca, M; Stoleriu, L; Curecheriu, LP; Horchidan, N; Ianculescu, AC; Galassi, C; Mitoseriu, L		High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics		J APPL PHYS		111		84102	2012	0.796				
27	Dong, L; Stone, DS; Lakes, RS		Enhanced dielectric and piezoelectric properties of xBaZrO ₃ -(1-x)BaTiO ₃ ceramics		J APPL PHYS		111		84107	2012	0.796				



28	Ianculescu, A; Mocanu, ZV; Curecheriu, LP; Mitoseriu, L; Padurariu, L; Trusca, R		Dielectric and tunability properties of La-doped BaTiO ₃ ceramics		J ALLOY COMPD		509		10040	2011	0.509				
29	Padurariu, L; Enachescu, C; Mitoseriu, L		Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions		J PHYS-CONDENS MAT		23		325901	2011	1.012				
30	Curecheriu, LP; Ianculescu, AC; Horchidan, N; Stoleriu, S; Tudorache, F; Tascu, S; Mitoseriu, L		Temperature dependence of tunability of Ba(Sn _x Ti _{1-x})O ₃ ceramics		J APPL PHYS		109		84103	2011	0.836				
31	Horchidan, N; Ianculescu, AC; Curecheriu, LP; Tudorache, F; Musteata, V; Stoleriu, S; Dragan, N; Crisan, D; Tascu, S; Mitoseriu, L		Preparation and characterization of barium titanate stannate solid solutions		J ALLOY COMPD		509		4731	2011	0.509				
32	Garbarz-Glos, B; Bormanis, K; Sitko, D		Effect of Zr ⁴⁺ Doping on the Electrical Properties of BaTiO ₃ Ceramics		FERROEL ECTRICS		417		118	2011	0.155				
33	Cai, W; Fu, CL; Gao, JC; Deng, XL		Dielectric properties, microstructure and diffuse transition of Al-doped Ba(Zr _{0.2} Ti _{0.8})O ₃ ceramics		J MATER SCI-MATER EL		21		796	2010	0.349				
34	Badapanda, T; Rout, SK; Cavalcante, LS; Szczancoski, JC; Panigrahi, S; Sinha, TP; Longo, E		Structural and dielectric relaxor properties of yttrium-doped Ba(Zr _{0.25} Ti _{0.75})O ₃ ceramics		MATER CHEM PHYS		121		147	2010	0.690				
35	Ianculescu, A; Mitoseriu, L		BA(Tl,ZR)O ₃ - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS		ADV NANOTEC HNOL		3		59	2010	0.000				
36	Ianculescu, A; Mitoseriu, L		Ba(Ti,Zr)O ₃ -Functional Materials: From Nanopowders to Bulk Ceramics		NANOTEC HNOL SCI TECH				1	2010	0.000				



37	Cai, W; Gao, JC; Fu, CL; Tang, LW		Dielectric properties, microstructure and diffuse transition of Ni-doped Ba(Zr _{0.2} Ti _{0.8})O ₃ ceramics		J ALLOY COMPD		487		668	2009	0.488				
38	Ostos, C; Mestres, L; Matinez-Sarrion, ML; Garcia, JE; Albareda, A; Perez, R		Synthesis and characterization of A-site deficient rare-earth doped BaZr _x Ti _{1-x} O ₃ perovskite-type compounds		SOLID STATE SCI		11		1016	2009	0.616				
39	Cai, W; Fu, CL; Gao, JC; Chen, XY; Zhang, QA		Microstructure and Dielectric Properties of Barium Zirconate Titanate Ceramics by Two Methods		INTEGR FERROEL ECTR		113		83	2009	0.132				
40	Garbarz-Glos, B; Smiga, W; Bujakiewicz-Koronska, R; Suchanicz, W; Dambekalne, M; Livinsh, M; Sternberg, A		Influence of Zirconium on Structural, Microstructural and Ferroelectric Properties of BaZr _{0.20} Ti _{0.80} O ₃ Ceramic		INTEGR FERROEL ECTR		108		67	2009	0.132				
41	Cai, W; Gao, JC; Zhang, MY; Fu, CL		EFFECT OF SINTERING TEMPERATURE ON DIFFUSE PHASE TRANSITION OF BARIUM ZIRCONATE TITANATE CERAMICS		INTEGR FERROEL ECTR		105		1	2009	0.132				
42	Cheng, XB; Liu, HX; Li, Z; Yao, ZH; Liu, Y; Yu, ZY; Cao, MH		Synthesis and characterization of Ba(Ti _{1-x} Zr _x)O ₃ nanopowders by an aqueous co-precipitation method		J CERAM PROCESS RES		9		576	2008	0.130				
43	Szymczak, L; Ujma, Z; Adamczyk, M; Soszynski, A; Koperski, J		Relaxor properties of Nb-modified (Ba _{0.8} Sr _{0.2})TiO ₃ ceramics		PHASE TRANSIT		81		1023	2008	0.438				
		Ianculescu, A; Mitoseriu, L; Berger, D; Ciomaga, CE; Piazza, D; Galassi, C		Composition-dependent ferroelectric properties of Ba _{1-x} Sr _x TiO ₃ ceramics		PHASE TRANSIT		79	375	2006		6	5.33	11	2.0625
1	Maldonado, F; Stashans, A		DFT study of Ag and La codoped BaTiO ₃		J PHYS CHEM SOLIDS		102		136	2017	0.416				



2	Ianculescu, AC; Vasilescu, CA; Crisan, M; Raileanu, M; Vasile, BS; Calugaru, M; Crisan, D; Dragan, N; Curecheriu, L; Mitoseriu, L		Formation mechanism and characteristics of lanthanum-doped BaTiO ₃ powders and ceramics prepared by the sol-gel process		MATER CHARACT		106		195	2015	0.741				
3	Shut, VN		Ferroelectrics with composition gradient: On the nature of hysteresis loop shift		PHYS SOLID STATE+		55		1438	2013	0.201				
4	Padurariu, L; Enachescu, C; Mitoseriu, L		Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions		J PHYS-CONDENS MAT		23		325901	2011	1.012				
5	Wang, XL; Zhao, YZ; Liu, SS; Zhou, HP		Study of structural and dielectric properties of Ba _{0.6} Sr _{0.4} (ZrxTi _{1-x})O ₃ ceramic		MATER SCI FORUM		687		402	2011	0.000				
6	Bhardwaj, A; Burbure, NV; Rohrer, GS		Enhanced Photochemical Reactivity at the Ferroelectric Phase Transition in Ba _{1-x} SrxTiO ₃		J AM CERAM SOC		93		4129	2010	0.753				
7	Bhardwaj, A; Burbure, NV; Gamalski, A; Rohrer, GS		Composition Dependence of the Photochemical reduction of Ag by Ba _{1-x} SrxTiO ₃		CHEM MATER		22		3527	2010	1.887				
8	Ianculescu, A; Mitoseriu, L		BA(TLZR)O ₃ - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS		ADV NANOTEC HNOL		3		59	2010	0.000				
9	Ianculescu, A; Mitoseriu, L		Ba(Ti,Zr)O ₃ -Functional Materials: From Nanopowders to Bulk Ceramics		NANOTEC HNOL SCI TECH				1	2010	0.000				
10	Shut, VN; Syrtsov, SR; Trublovsky, VL		Ferroelectric properties of compositionally graded BST ceramics		PHASE TRANSIT		83		368	2010	0.421				
11	Curecheriu, LP; Mitoseriu, L; Ianculescu, A		Nonlinear dielectric properties of Ba _{1-x} SrxTiO ₃ ceramics		J ALLOY COMPD		482		1	2009	0.488				



		Ciomaga, CE; Buscaglia, MT; Viviani, M; Buscaglia, V; Mitoseriu, L; Stancu, A; Nanni, P		Preparation and dielectric properties of BaZr _{0.1} Ti _{0.9} O ₃ ceramics with different grain sizes		PHASE TRANSI T		79	389	2006		7	5.67	7	1.2353
1	Ramana, EV; Figueiras, F; Mahajan, A; Tobaldi, DM; Costa, BFO; Graca, MPF; Valente, MA		Effect of Fe-doping on the structure and magnetoelectric properties of (Ba _{0.85} Ca _{0.15})(Ti _{0.9} Zr _{0.1})O ₃ synthesized by a chemical route		J MATER CHEM C		4		1066	2016	1.119				
2	Li, WL; Zhang, TD; Xu, D; Hou, YF; Cao, WP; Fei, WD		LaNiO ₃ seed layer induced enhancement of piezoelectric properties in (100)-oriented (1- x)BZT-xBCT thin films		J EUR CERAM SOC		35		2041	2015	0.674				
3	Sun, ZX; Pu, YP; Dong, ZJ; Hu, Y; Liu, XY; Wang, PK		Effect of Zr ⁴⁺ content on the T-C range and dielectric and ferroelectric properties of BaZrxTi _{1-x} O ₃ ceramics prepared by microwave sintering		CERAM INT		40		3589	2014	0.452				
4	Ianculescu, A; Mocanu, ZV; Curecheriu, LP; Mitoseriu, L; Padurariu, L; Trusca, R		Dielectric and tunability properties of La-doped BaTiO ₃ ceramics		J ALLOY COMPD		509		10040	2011	0.509				
5	Jarupoom, P; Pengpat, K; Rujijanagul, G		Enhanced piezoelectric properties and lowered sintering temperature of Ba(Zr _{0.07} Ti _{0.93})O ₃ by B ₂ O ₃ addition		CURR APPL PHYS		10		557	2010	0.499				
6	Ianculescu, A; Mitoseriu, L		BA(Ti,Zr)O ₃ - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS		ADV NANOTEC HNOL		3		59	2010	0.000				
7	Ianculescu, A; Mitoseriu, L		Ba(Ti,Zr)O ₃ -Functional Materials: From Nanopowders to Bulk Ceramics		NANOTEC HNOL SCI TECH				1	2010	0.000				



		Mitoseriu, L; Stancu, A; Fedor, C; Vilarinho, PM		Analysis of the composition-induced transition from relaxor to ferroelectric state in PbFe ₂ /3W ₁ /3O ₃ - PbTiO ₃ solid solutions		J APPL PHYS		94	1918	2003		4	4.00	52	13
1	Bourguiba, F; Dhahri, A; Rhouma, FIH; Mnefgui, S; Dhahri, J; Taibi, K; Hlil, EK		Effect of iron and tungsten substitution on the dielectric response and phase transformations of BaTiO ₃ pervoskite ceramic		J ALLOY COMPD		686		675	2016	0.558				
2	Su, HH; Hong, CS; Tsai, CC; Chu, SY; Lin, CS		Effect of microstructure on the dielectric properties of (1-x)Na _{0.5} K _{0.5} NbO ₃ -xSrTiO ₃ ceramics		CERAM INT		42		17558	2016	0.465				
3	Bourguiba, F; Dhahri, A; Tahri, T; Dhahri, J; Abdelmoula, N; Taibi, K; Hlil, EK		Structure properties and relaxor characteristics of the phases transformation in BaTi _{0.5} (Fe _{0.33} Mo _{0.17})O ₃ perovskite ceramic		J ALLOY COMPD		675		174	2016	0.558				
4	Kalgin, AV; Gridnev, SA		Crossover from ordinary to relaxor ferroelectric state in particulate magnetoelectric composites (x)Mn _{0.4} Zn _{0.6} Fe ₂ O ₄ - (1-x)PbZr _{0.53} Ti _{0.47} O ₃		FERROEL ECTRICS		501		100	2016	0.129				
5	Nien, HH; Hong, CS; Chu, SY; Su, HH; Lin, CH		Influence of bismuth additives on the dielectric properties of Pb(Fe ₂ /3W ₁ /3)(0.7)Ti _{0.3} O ₃ ceramics		J ALLOY COMPD		650		584	2015	0.558				
6	Ullah, A; Ishfaq, M; Ahn, CW; Ullah, A; Awan, SE; Kim, IW		Relaxor behavior and piezoelectric properties of Bi(Mg _{0.5} Ti _{0.5})O ₃ -modified Bi _{0.5} Na _{0.5} TiO ₃ lead-free ceramics		CERAM INT		41		10557	2015	0.465				
7	Ul-Haq, MN; Yunus, T; Mumtaz, A; Shvartsman, VV; Lupascu, DC		Magnetodielectric effect in relaxor/ferrimagnetic composites		J ALLOY COMPD		640		462	2015	0.558				
8	Frantti, J; Fujioka, Y; Zhang, J; Zhu, J; Vogel, SC		Neutron powder diffraction study of Pb[Zr-x(Fe ₂ /3W ₁ /3)(1-x)]O ₃ solid solutions		PHYS STATUS SOLIDI B		252		1280	2015	0.466				



9	Tian, L; Meng, XJ; Yang, J; Sun, JL; Wang, JL; Chu, JH		Effects of Electron Irradiation on the Dielectric Behavior of Langmuir-Blodgett Terpolymer Films		FERROEL ECTRICS		478		81	2015	0.129				
10	Zheng, MP; Hou, YD; Ai, ZR; Zhu, MK		Ferroic characterizations, phase transformation, and internal bias field in 0.75Pb(Fe ₂ /3W ₁ /3)O-3-0.25PbTiO ₃ multiferroic ceramic		J APPL PHYS		116		124110	2014	0.682				
11	Pajic, D; Jagodic, M; Jaglicic, Z; Holc, J; Kosec, M; Trontelj, Z		Competing antiferromagnetism and local magnetic order in the bulk ceramic PZT-PFW multiferroic system: searching for the most promising ratio between PZT and PFW		J PHYS D APPL PHYS		46		455001	2013	0.811				
12	Yang, C; Liu, JS; Zhang, MF; You, MR		Effect of Sintering Temperature on B-Site Order of Pb(Mg ₁ /3Nb ₂ /3)O-3-Based Ferroelectric Ceramics		CHINESE J INORG CHEM		29		2145	2013	0.056				
13	Hong, CS; Chu, SY; Tsai, CC; Su, WC; Su, HH		Temperature-independent and enhanced dielectric properties for two-layer structure capacitors with 0.8Pb(Fe ₂ /3W ₁ /3) O-3-0.2PbTiO ₃ -MnO and 0.7Pb(Fe ₂ /3W ₁ /3) O-3-0.3PbTiO ₃ -MnO ceramics		CERAM INT		39		2949	2013	0.439				
14	Hong, CS; Chu, SY; Tsai, CC; Hsu, CC; Su, HH		Effects of lanthanum dopants on the Curie-Weiss and the local order behaviors for Pb _{1-x} Lax(Fe ₂ /3W ₁ /3)(0.7)TiO ₃ relaxor ferroelectrics		MATER RES BULL		48		200	2013	0.443				
15	Tran, VDN; Dinh, TH; Han, HS; Jo, W; Lee, JS		Lead-free Bi-1/2(Na _{0.82} K _{0.18})(1/2)TiO ₃ relaxor ferroelectrics with temperature insensitive electrostrictive coefficient		CERAM INT		39		S119	2013	0.439				
16	Curecheriu, L; Balmus, SB; Buscaglia, MT; Buscaglia, V; Ianculescu, A; Mitoseriu, L		Grain Size-Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics		J AM CERAM SOC		95		3912	2012	0.710				



17	Guerra, JDS; Garcia, JE; Ochoa, DA; Pelaiz-Barranco, A; Garcia-Zaldivar, O; Calderon-Pinar, F	Interrelationship between phase transition characteristics and piezoelectric response in lead lanthanum zirconate titanate relaxor ceramics	J MATER SCI	47	5715	2012	0.590				
18	Hong, CS; Chu, SY; Tsai, CC; Hsu, CC	The indirect synthesized method induced relaxor state to ferroelectric characteristics for $\text{Pb}_{0.95}\text{La}_{0.05}(\text{Fe}_{2/3}\text{W}_{1/3})(0.65)\text{Ti}_{0.35}\text{O}_3$ ceramics	CERAM INT	38	4123	2012	0.455				
19	Leyet, Y; Pena, R; Zulueta, Y; Guerrero, F; Anglada-Rivera, J; Romaguera, Y; de la Cruz, JP	Phase transition and PTCR effect in erbium doped BT ceramics	MATER SCI ENG B-ADV	177	832	2012	0.535				
20	Gridnev, SA; Kamynin, AA	Specific features of the polarization in the $\text{PbFe}_{1/2}\text{Nb}_{1/2}\text{O}_3$ ferroelectric	PHYS SOLID STATE+	54	1018	2012	0.211				
21	Favre, S; Moreno, A; Garcia, D	Ultrasonic investigation of the relaxor behaviour of ferroelectric ceramics $(\text{Pb}_{1-x}\text{Ca}_x)\text{TiO}_3$ for $x=0.475, 0.50$ and 0.55	MATER RES BULL	47	486	2012	0.522				
22	Hong, CS; Chu, SY; Tsai, CC; Su, WC	Manganese effect on the relaxation behaviors of the space charge polarization in $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})(0.9)\text{Ti}_{0.1}\text{O}_3$ ceramics	CERAM INT	37	3405	2011	0.535				
23	Ianculescu, A; Mocanu, ZV; Curecheriu, LP; Mitoseriu, L; Padurariu, L; Trusca, R	Dielectric and tunability properties of La-doped BaTiO_3 ceramics	J ALLOY COMPD	509	10040	2011	0.509				
24	Fraygola, BM; Coelho, AD; Garcia, D; Eiras, JA	Magnetic and Dielectric Properties of Multiferroic $(1-x)\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}-3-x\text{PbTiO}_3$ Ceramics Prepared Via a Modified Two-stage Solid-state Reaction	MATER RES-IBERO-AM J	14	434	2011	0.183				
25	Hong, CS; Chu, SY; Tsai, CC; Hsu, CC	Lanthanum dopant induced transition from the ferroelectric to the relaxor state in $0.7\text{PFW}-0.3\text{PT}$ ceramics	CERAM INT	37	1911	2011	0.535				



26	Park, JS; Lee, MH; Cho, HJ; Kim, DJ; Sung, YS; Kim, MH; Cho, JH; Kim, SS; Do, D; Choi, BC; Song, TK		Dielectric and piezoelectric properties of Pb(Fe ₂ /3W ₁ /3)O-3-Pb(Zr _{0.57} Ti _{0.43})O-3 solid-solution ceramics		CURR APPL PHYS		11		S154	2011	0.503				
27	Horchidan, N; Ianculescu, AC; Curecheriu, LP; Tudorache, F; Musteata, V; Stoleriu, S; Dragan, N; Crisan, D; Tascu, S; Mitoseriu, L		Preparation and characterization of barium titanate stannate solid solutions		J ALLOY COMPD		509		4731	2011	0.509				
28	Hong, CS; Chu, SY; Tsai, CC; Su, WC		Investigating the physical meanings of diffused phase transition models		J ALLOY COMPD		509		2216	2011	0.509				
29	Hong, CS; Chu, SY; Tsai, CC; Su, WC; Hsu, CC		Effects of synthesized method on glassy behavior and freezing process of 0.75PFW-0.25PT ceramics		J APPL PHYS		109		34106	2011	0.836				
30	Hong, CS; Chu, SY; Hsu, CC		Effects of the sintering temperature on the diffused phase transition and the spin-glassy behavior in Pb(0.95)La(0.05)(Fe(2/3)W(1/3))(0.65)Ti(0.35)O(3) ceramics		J APPL PHYS		107		94110	2010	0.875				
31	Hong, CS; Chu, SY; Su, WC; Nien, HH		Are the parameters of the empirical law dependent on the dielectric properties of the ferroelectric relaxors?		CERAM INT		36		1069	2010	0.496				
32	Curecheriu, LP; Mitoseriu, L; Ianculescu, A; Braileanu, A		Critical evolution of the local order parameters related to the nanopolar domains in Pb(Mg ₁ /3Nb ₂ /3)O-3 ceramics		APPL PHYS A- MATER		97		587	2009	0.631				
33	Verma, KC; Kotnala, RK; Negi, NS		Intrinsic study for magnetoelectric coupling in Pb _{1-x} Sr _x (Fe _{0.012} Ti _{0.988})O-3 nanoparticles		SOLID STATE COMMUN		149		1743	2009	0.672				
34	Hong, CS; Chu, SY; Tsai, CC; Su, WC; Changchien, SK		Comparing the freezing process and the spin-glass phenomenon of the nanopolarization based on the MnO additives PFW-PT relaxors		J ALLOY COMPD		481		70	2009	0.488				



35	Kumar, A; Murari, NM; Katiyar, RS		Investigation of dielectric and electrical behavior in $\text{Pb}(\text{Fe}_{0.66}\text{W}_{0.33})_{0.50}\text{Ti}_{0.50}\text{O}_3$ thin films by impedance spectroscopy		J ALLOY COMPD		469		433	2009	0.488				
36	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		Investigation of the dielectric properties of MnO-additive $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{-PbTiO}_3$ relaxors prepared by two different methods		J ALLOY COMPD		460		658	2008	0.503				
37	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		The sintering temperature-induced transition from relaxor to ferroelectric in $0.7\text{PbFe}_{2/3}\text{W}_{1/3}\text{O}_{(3)-0.3\text{PbTiO}_{(3)}}$ ceramics		J ALLOY COMPD		459		1	2008	0.503				
38	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		Dependence of the synthesis condition on the dielectric behaviors of the $0.75\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_{(3)-0.25\text{PbTiO}_{(3)}}$ based ceramics		J ALLOY COMPD		459		328	2008	0.503				
39	Scott, JF; Palai, R; Kumar, A; Singh, MK; Murari, NM; Karan, NK; Katiyar, RS		New phase transitions in perovskite oxides: $\text{BiFeO}_{(3)}$, $\text{SrSnO}_{(3)}$, and $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})_{(1/2)}\text{Ti}_{(1/2)}\text{O}_{(3)}$		J AM CERAM SOC		91		1762	2008	0.731				
40	Hong, CS; Chu, SY; Li, BJ; Su, WC; Chang, RC; Nien, HH; Juang, YD		Investigation of the dielectric properties of MnO-additive $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{-PbTiO}_{(3)}$ relaxors using the spin-glass model		J APPL PHYS		103		94102	2008	0.945				
41	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		Dielectric behaviors of $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{-PbTiO}_3$ relaxors: Models comparison and numerical calculations		J APPL PHYS		101		54120	2007	0.974				
42	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		Effects of the MnO additives on the properties of $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{-PbTiO}_3$ relaxors: Comparison of empirical law and experimental results		J APPL PHYS		101		54117	2007	0.974				
43	Hong, CS; Chu, SY; Su, WC; Chang, RC; Nien, HH; Juang, YD		Dielectric Behavior of PFW-PT Relaxors: Model-Parameters Extraction		IEEE INT FERRO				178	2007	0.000				



44	Grinberg, I; Suchomel, MR; Davies, PK; Rappe, AM		Predicting morphotropic phase boundary locations and transition temperatures in Pb- and Bi-based perovskite solid solutions from crystal chemical data and first-principles calculations		J APPL PHYS		98		94111	2005	1.230				
45	Gridnev, SA; Glazunov, AA; Tsotsorin, AN		Temperature evolution of the local order parameter in relaxor ferroelectrics (1-x)PMN-xPZT		PHYS STATUS SOLIDI A		202		R122	2005	0.449				
46	Mitoseriu, L		Magnetoelectric phenomena in single-phase and composite systems		BOL SOC ESP CERAM V		44		177	2005	0.046				
47	Li, ZR; Wu, AY; Vilarinho, PM; Reaney, IM		Core-shell microstructures in 0.68Pb(Fe ₂ /3W ₁ /3)O ₃ -0.32PbTiO ₃ at the morphotropic phase boundary		J PHYS-CONDENS MAT		17		2167	2005	1.115				
48	Mitoseriu, L; Carnasciali, MM; Piaggio, P; Nanni, P		Raman investigation of the composition and temperature-induced phase transition in (1-x)Pb(Fe ₂ /3W ₁ /3)O ₃ -xPbTiO ₃ ceramics		J APPL PHYS		96		4378	2004	1.239				
49	Mitoseriu, L; Marre, D; Siri, AS; Stancu, A; Fedor, CE; Nanni, P		Magnetoelectric coupling in the multiferroic PbFe ₂ /3W ₁ /3O ₃ -PbTiO ₃ system		J OPTOELECTRON ADV M		6		723	2004	0.099				
50	Cao, LH; Yao, X; Xu, Z		Effect of Ta substitution on microstructure and electrical properties of 0.80Pb(Mg ₁ /3Nb ₂ /3)O ₃ -0.20PbTiO ₃ ceramics		CERAM INT		30		1369	2004	0.534				
51	Cao, LH; Yao, L; Xu, Z; Feng, YJ		Research on dielectric and piezoelectric properties of Ta-doped 0.68Pb(Mg ₁ /3Nb ₂ /3)O ₃ -0.32PbTiO ₃ ceramics		CERAM INT		30		1373	2004	0.534				
52	Mitoseriu, L; Marre, D; Siri, AS; Nanni, P		Magnetic properties of PbFe ₂ /3W ₁ /3O ₃ -PbTiO ₃ solid solutions		APPL PHYS LETT		83		5509	2003	2.032				



		Mitoseriu, L; Viviani, M; Ricinski, D; Fedor, C; Nanni, P		Simulation of positive temperature coefficient of resistivity (PTCR) behaviour in n-doped BaTiO ₃ ceramics		JPN J APPL PHYS 1		41	7189	2002		5	5.00	4	0.8
1	Wei, JF; Pu, YP; Mao, YQ; Wang, JF		Effects of BNT Addition on the Microstructure and PTC Properties of La-Doped BaTiO ₃ -Based PTCR Ceramics		FERROEL ECTRICS		403		91	2010	0.172				
2	Mahboob, S; Dutta, AB; Prakash, C; Swaminathan, G; Suryanarayana, SV; Prasad, G; Kumar, GS		Dielectric behaviour of microwave sintered rare-earth doped BaTiO ₃ ceramics		MAT SCI ENG B- SOLID		134		36	2006	0.000				
3	Mitoseriu, L; Viviani, M; Buscaglia, MT; Buscaglia, V; Testino, A; Nanni, P		Calculations of R(T) and I(V) characteristics of the n-doped BaTiO ₃ ceramics with PTCR properties		KEY ENG MAT		264 - 268		1253	2004	0.000				
4	Viviani, M; Buscaglia, MT; Buscaglia, V; Mitoseriu, L; Testino, A; Nanni, P; Vladikova, D		Analysis of conductivity and PTCR effect in Er-doped BaTiO ₃ ceramics		J EUR CERAM SOC		24		1221	2004	0.748				
														389	C=73.1 244