

Carmen Galassi

List of Publications by Year in descending order

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196
papers

4,432
citations

117571

34
h-index

155592

55
g-index

200
all docs

200
docs citations

200
times ranked

3915
citing authors

#	ARTICLE	IF	CITATIONS
19	Preparation of concentrated aqueous alumina suspensions for tape casting. Journal of the European Ceramic Society, 1997, 17, 1393-1401.	2.8	56
20	Porous piezoelectric ceramic hydrophone. Journal of the Acoustical Society of America, 1999, 106, 733-738.	0.5	55
21	In situ preparation of CoFe ₂ O ₄ –Pb(ZrTi)O ₃ multiferroic composites by gel-combustion technique. Journal of the European Ceramic Society, 2009, 29, 2807-2813.	2.8	55
22	3D Printing of Photocatalytic Filters Using a Biopolymer to Immobilize TiO ₂ Nanoparticles. Journal of the Electrochemical Society, 2019, 166, H3239-H3248.	1.3	54
23	Characterization of hot-pressed silicon nitride-based materials by microhardness measurements. Journal of Materials Science, 1987, 22, 1687-1693.	1.7	53
24	Piezoceramic material with anisotropic graded porosity. Journal of the European Ceramic Society, 2005, 25, 3075-3078.	2.8	49
25	Slip casting of mechanochemically synthesized hydroxyapatite. Journal of Materials Science, 1995, 30, 3216-3221.	1.7	48
26	Nano-Sized Ceramic Inks for Drop-on-Demand Ink-Jet Printing in Quadrichromy. Journal of Nanoscience and Nanotechnology, 2008, 8, 1979-1988.	0.9	46
27	Low-Temperature Phase Transformations of PbZr _{1-x} Ti _x O ₃ in the Morphotropic Phase-Boundary Region. Physical Review Letters, 2007, 98, 255701.	2.9	45
28	Dielectric and piezoelectric behaviors of NBT-BT0.05 processed by sol-gel method. Journal of the European Ceramic Society, 2012, 32, 133-139.	2.8	43
29	Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics. Journal of Alloys and Compounds, 2015, 643, 79-87.	2.8	42
30	Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures. Applied Physics Letters, 2012, 100, .	1.5	41
31	Analysis of switching properties of porous ferroelectric ceramics by means of first-order reversal curve diagrams. Physical Review B, 2006, 74, .	1.1	40
32	Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O ₃ ceramics. Journal of the American Ceramic Society, 2017, 100, 647-658.	1.9	40
33	Characterisation of porous PZT ceramics by first-order reversal curves (FORC) diagrams. Journal of the European Ceramic Society, 2006, 26, 2959-2962.	2.8	37
34	Merging of the polar and tilt instability lines near the respective morphotropic phase boundaries of PbZr _{1-x} Ti _x O ₃ ceramics. Journal of Applied Physics, 2011, 110, 044105.	1.1	36
35	Octahedral tilting, monoclinic phase and the phase diagram of PZT. Journal of Physics Condensed Matter, 2011, 23, 415901.	0.7	34
36	Dispersing Behavior of Hydroxyapatite Powders Produced by Wet-Chemical Synthesis. Journal of the American Ceramic Society, 2003, 86, 1534-1539.	1.9	33

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37	Field-induced phase transition and relaxor character in submicrometer-structured lead-free (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ piezoceramics at the morphotropic phase boundary. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1893-1904.	1.9	33
38	A comparative study of hard/soft PZT-based ceramic composites. Ceramics International, 2016, 42, 9125-9132.	2.3	33
39	Mullite Suspensions for Reticulate Ceramic Preparation. Journal of the American Ceramic Society, 2000, 83, 2993-2998.	1.9	31
40	Memory of Multiple Aging Stages above the Freezing Temperature in the Relaxor Ferroelectric PLZT. Physical Review Letters, 2004, 93, 097601.	2.9	31
41	Preparation and properties of nanocrystalline BNT-BTx piezoelectric ceramics by sol-gel and spark plasma sintering. Current Applied Physics, 2012, 12, 1100-1105.	1.1	31
42	CoFe ₂ O ₄ magnetic ceramic derived from gel and densified by spark plasma sintering. Journal of Alloys and Compounds, 2016, 656, 854-862.	2.8	31
43	Pyrochlore phase and microstructure development in lead magnesium niobate materials. Journal of the European Ceramic Society, 2001, 21, 1165-1170.	2.8	30
44	Rheological characteristics of slurry controlling the microstructure and the compressive strength behavior of biomimetic hydroxyapatite. Journal of Materials Research, 2001, 16, 163-170.	1.2	30
45	Hysteresis and tunability characteristics of Ba(Zr,Ti)O ₃ ceramics described by First Order Reversal Curves diagrams. Journal of the European Ceramic Society, 2007, 27, 3723-3726.	2.8	30
46	Polar and nonpolar atomic motions in the relaxor ferroelectric Pb _{1-3x} La _x Zr _{0.2} Ti _{0.8} O ₃ from dielectric, anelastic, and NMR relaxation. Physical Review B, 2005, 71, .	1.1	29
47	PZT-based suspensions for tape casting. Journal of the European Ceramic Society, 1997, 17, 367-371.	2.8	28
48	Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics. Ceramics International, 2017, 43, 5767-5773.	2.3	28
49	Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores. Journal Physics D: Applied Physics, 2017, 50, 045303.	1.3	28
50	Nb-Doped PZT Material by Sol-Gel Combustion. Journal of Sol-Gel Science and Technology, 2005, 36, 203-211.	1.1	27
51	Preparation and properties of the CoFe ₂ O ₄ @Nb@Pb(Zr,Ti)O ₃ multiferroic composites prepared in situ by gel-combustion method. Journal of Alloys and Compounds, 2009, 485, 372-378.	2.8	27
52	An analysis of current transients during electrophoretic deposition (EPD) from colloidal TiO ₂ suspensions. Journal of Colloid and Interface Science, 2010, 347, 102-111.	5.0	27
53	Magnetolectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials. Scripta Materialia, 2010, 62, 610-612.	2.6	26
54	Semiconductor water-based inks: Miniaturized NiO pseudocapacitor electrodes by inkjet printing. Journal of the European Ceramic Society, 2019, 39, 2908-2914.	2.8	26

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55	Study of interactions between polyelectrolyte dispersants, alumina and latex binders by rheological characterisation. Journal of the European Ceramic Society, 1998, 18, 2133-2140.	2.8	25
56	Pulsed laser deposition of perovskite relaxor ferroelectric thin films. Applied Surface Science, 2006, 252, 4553-4557.	3.1	25
57	Ferroelectric thin films obtained by pulsed laser deposition. Journal of the European Ceramic Society, 2006, 26, 2937-2943.	2.8	25
58	Processing of Porous PZT Materials for Underwater Acoustics. Ferroelectrics, 2002, 268, 47-52.	0.3	24
59	Pulsed laser deposition of lead-free $(\text{Na}_{0.5}\text{Bi}_{0.5})_{1-x}\text{Ba}_x\text{TiO}_3$ ferroelectric thin films with enhanced dielectric properties. Applied Surface Science, 2013, 278, 162-165.	3.1	24
60	Elastic wave propagation in porous piezoelectric ceramics. Ultrasonics, 1998, 36, 427-430.	2.1	23
61	Tape casting of porous hydroxyapatite ceramics. Journal of Materials Science Letters, 2000, 19, 33-35.	0.5	23
62	Electrical investigation of sintering factors influence on PLZT ceramics. Journal of the European Ceramic Society, 2004, 24, 1525-1528.	2.8	23
63	Flow properties of PLZTN aqueous suspensions for tape casting. Ceramics International, 2010, 36, 1687-1696.	2.3	23
64	Field-induced antiferroelectric to ferroelectric transitions in $(\text{Pb}_{1-x}\text{La}_x)(\text{Zr}_{0.90}\text{Ti}_{0.10})_{1-x}\text{O}_3$ investigated by in situ X-ray diffraction. Journal of the European Ceramic Society, 2017, 37, 4631-4636.	2.8	23
65	Encapsulation of Piezoelectric Transducers for Sensory Augmentation and Substitution with Wearable Haptic Devices. Micromachines, 2017, 8, 270.	1.4	23
66	Key role of milling in the optimization of TiO_2 nanoinks. Journal of Materials Research, 2006, 21, 1561-1569.	1.2	22
67	Piezoelectric properties of lead-free submicron-structured $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ ceramics from nanopowders. Smart Materials and Structures, 2010, 19, 115007.	1.8	22
68	$\hat{\pm}$ -Alumina-H ₂ O Interface Analysis by Electroacoustic Measurements. Journal of Colloid and Interface Science, 1999, 212, 350-356.	5.0	21
69	Synthesis of La and Nb doped PZT powder by the gel-combustion method. Nanotechnology, 2006, 17, 1731-1735.	1.3	21
70	Dielectric and piezoelectric properties of PZT ceramics with anisotropic porosity. Journal of Electroceramics, 2010, 24, 170-176.	0.8	21
71	Investigation of low field dielectric properties of anisotropic porous $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ ceramics: Experiment and modeling. Journal of Applied Physics, 2013, 114, .	1.1	21
72	Experimental evidence for similar critical behavior of elastic modulus and electric conductivity in porous ceramic materials. Europhysics Letters, 1998, 41, 55-60.	0.7	20

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73	Electro-elastic properties of porous piezoelectric ceramics obtained by tape casting. <i>Ferroelectrics</i> , 1998, 205, 49-67.	0.3	20
74	Direct synthesis of PMN samples by spray-drying. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2093-2100.	2.8	20
75	Investigation of local orientation and stress analysis of PZT-based materials using micro-probe polarized Raman spectroscopy. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2337-2344.	2.8	20
76	Tape cast porosity-graded piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1461-1467.	2.8	20
77	Enhanced properties for ultrasonic transduction, phase transitions and thermal depoling in $0.96(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3-0.04\text{BaTiO}_3$ submicrometre-structured ceramics. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 335404.	1.3	20
78	PZT prepared by spray drying: From powder synthesis to electromechanical properties. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3323-3334.	2.8	19
79	Preparation and properties of La doped PZT 90/10 ceramics across the ferroelectric-antiferroelectric phase boundary. <i>Journal of Alloys and Compounds</i> , 2015, 646, 16-22.	2.8	19
80	Flexible lead-free NBT-BT/PVDF composite films by hot pressing for low-energy harvesting and storage. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161071.	2.8	19
81	Heating rate dependence of anatase to rutile transformation. <i>Processing and Application of Ceramics</i> , 2016, 10, 235-241.	0.4	19
82	Water-based Si_3N_4 suspensions: Part I. Effect of processing routes on the surface chemistry and particle interactions. <i>Journal of Materials Research</i> , 2000, 15, 155-163.	1.2	18
83	$\text{Ba}(\text{Ti}_{1-x}\text{Sn}_x)\text{O}_3$ ($x=0.13$) Dielectric Ceramics Prepared by Coprecipitation. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1728-1732.	1.9	18
84	Structural, dielectric, and piezoelectric properties of fine-grained NBT-BT _{0.11} ceramic derived from gel precursor. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2389-2397.	2.8	18
85	Refining the phase diagram of $\text{Pb}_{1-x}\text{La}_x(\text{Zr}_{0.9}\text{Ti}_{0.1})_{1-x}/4\text{O}_3$ ceramics by structural, dielectric, and anelastic spectroscopy investigations. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	18
86	Piezoelectric softening in ferroelectrics: Ferroelectric versus antiferroelectric $\text{PbZr}_{1-x}\text{O}_3$. <i>Physical Review B</i> , 2016, 93, .	1.1	18
87	Easy batch-scale production of cobalt ferrite nanopowders by two-step milling: Structural and magnetic characterization. <i>Materials and Design</i> , 2017, 130, 327-335.	3.3	18
88	Composition-dependent ferroelectric properties of $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ ceramics. <i>Phase Transitions</i> , 2006, 79, 375-388.	0.6	17
89	Porous Piezoelectric Ceramics. , 0, , .		17
90	How to Make Porous Piezoelectrics? Review on Processing Strategies. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 217-228.	1.7	17

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91	Surface Modification of Si ₃ N ₄ Powders by Coprecipitation of Sintering Aids. Journal of the American Ceramic Society, 1999, 82, 2653-2659.	1.9	16
92	Exploitation of a novel magneto-dielectric substrate for miniaturization of wearable UHF antennas. Materials Letters, 2012, 87, 127-130.	1.3	16
93	Novel multiferroic (Pb _{1-3x/2} Ndx)(Ti _{0.98-γ} FeyMn _{0.02})O ₃ ceramics with coexisting ferroelectricity and ferromagnetism at ambient temperature. Materials and Design, 2016, 110, 693-704.	3.3	16
94	Structural and electrical characterization of PLZT 22/20/80 relaxor films obtained by PLD and RF-PLD. Applied Surface Science, 2005, 248, 329-333.	3.1	14
95	Influence of carbon black on slurry compositions for tape cast porous piezoelectric ceramics. Ceramics International, 2011, 37, 2143-2149.	2.3	14
96	Splitting of the transition to the antiferroelectric state in PbZr _{0.95} Ti _{0.05} O ₃ ceramics. Journal of Applied Physics, 2014, 116, .	1.1	14
97	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. Journal of Applied Physics, 2014, 116, .	1.1	14
98	The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba _{0.70} Sr _{0.30} TiO ₃ ceramics. Ceramics International, 2016, 42, 527-536.	2.3	14
99	Multiferroic (Nd,Fe)-doped PbTiO ₃ ceramics with coexistent ferroelectricity and magnetism at room temperature. Ceramics International, 2019, 45, 9390-9396.	2.3	14
100	Influence of Magnesia Addition on the Rheological Properties of Mullite Suspensions. Journal of the American Ceramic Society, 1999, 82, 3453-3458.	1.9	13
101	Key issues in the characterization of porous PZT based ceramics with morphotropic phase boundary composition. Journal of Electroceramics, 2007, 19, 413-418.	0.8	13
102	Parametric Study of a Piezoceramic Patch Actuator for Proportional Velocity Feedback Control Loop. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.0	13
103	Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling. Journal of Applied Physics, 2012, 112, .	1.1	13
104	PZT-cobalt ferrite particulate composites: Densification and lead loss controlled by quite-fast sintering. Journal of the European Ceramic Society, 2017, 37, 161-168.	2.8	13
105	Combined use of Mössbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for estimating incipient phase separation in lead titanate-based multiferroics. Physical Chemistry Chemical Physics, 2018, 20, 14652-14663.	1.3	13
106	Processing and characterization of ferroelectric thin films obtained by pulsed laser deposition. Journal of the European Ceramic Society, 2005, 25, 2299-2303.	2.8	12
107	Spark-plasma-sintering temperature dependence of structural and piezoelectric properties of BNT _{0.98} BT _{0.08} nanostructured ceramics. Journal of Materials Science, 2012, 47, 3669-3673.	1.7	12
108	Effects of aging and annealing on the polar and antiferrodistortive components of the antiferroelectric transition in PbZr _{0.95} Ti _{0.05} O ₃ . Physical Review B, 2014, 89, .		

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109	Chromium doped $\hat{\text{I}}^3\text{-Al}_2\text{O}_3$ powders. Features of the electrical double layer and state of the surface species. <i>Journal of Electroanalytical Chemistry</i> , 2000, 490, 48-53.	1.9	11
110	Pulsed laser deposition of PMN thin films. <i>Materials Science in Semiconductor Processing</i> , 2002, 5, 227-232.	1.9	11
111	Dielectric Spectroscopy Measurements of Relaxor Ferroelectric PLZT 9/65/35 Thin Films Obtained by RF Assisted PLD. <i>Ferroelectrics</i> , 2004, 302, 313-318.	0.3	11
112	Magnetolectric dual-particulate composites with wasp-waisted magnetic response for broadband energy harvesting. <i>Journal of Alloys and Compounds</i> , 2019, 783, 237-245.	2.8	11
113	Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays. <i>Clays and Clay Minerals</i> , 2001, 49, 263-269.	0.6	10
114	Ferroelectric Relaxor Thin Films Grown by Pulsed Laser Deposition. <i>Ferroelectrics</i> , 2003, 293, 189-199.	0.3	10
115	Ferroelectric $(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3\text{-BaTiO}_3$ thin films obtained by pulsed laser deposition. <i>European Physical Journal Special Topics</i> , 2005, 128, 77-80.	0.2	10
116	Lead-free ferroelectric thin films obtained by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 747-751.	1.1	10
117	Electrical investigations of holmium-doped BaTiO_3 derived from sol-gel combustion. <i>Journal of Materials Research</i> , 2010, 25, 1057-1063.	1.2	10
118	Probing the dielectric, piezoelectric and magnetic behavior of $\text{CoFe}_2\text{O}_4/\text{BNT-BT0.08}$ composite thin film fabricated by sol-gel and spin-coating methods. <i>Scientific Reports</i> , 2018, 8, 17883.	1.6	10
119	Slip casting of Al_2O_3 and $\text{Al}_2\text{O}_3/\text{ZrO}_2$ composites. <i>Journal of Materials Science</i> , 1990, 25, 4331-4340.	1.7	9
120	Characterization and stabilization of Si_3N_4 suspensions. <i>Journal of Materials Research</i> , 1995, 10, 339-344.	1.2	9
121	Processing of a multilayer bender type actuator. <i>Journal of the European Ceramic Society</i> , 2001, 21, 2011-2014.	2.8	9
122	Investigation of the switching characteristics in ferroelectrics by first-order reversal curve diagrams. <i>Physica B: Condensed Matter</i> , 2006, 372, 226-229.	1.3	9
123	The $0.96(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3 \approx 0.04\text{BaTiO}_3$ crystal structure: A high- Q , high- ϵ counting statistics synchrotron diffraction analysis. <i>Crystal Research and Technology</i> , 2014, 49, 190-194.	0.6	9
124	Multiple parallel twinning overgrowth in nanostructured dense cobalt ferrite. <i>Materials and Design</i> , 2016, 109, 19-26.	3.3	9
125	Piezoelectric/ferromagnetic $\text{BNT-BT0.08}/\text{CoFe}_2\text{O}_4$ coaxial core-shell composite nanotubes for nanoelectronic devices. <i>Journal of Alloys and Compounds</i> , 2018, 752, 381-388.	2.8	9
126	Composite $\text{BNT-BT0.08}/\text{CoFe}_2\text{O}_4$ with core-shell nanostructure for piezoelectric and ferromagnetic applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 240, 7-15.	1.7	9

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127	Lead-Free BNT/BT0.08/CoFe ₂ O ₄ Core/Shell Nanostructures with Potential Multifunctional Applications. <i>Nanomaterials</i> , 2020, 10, 672.	1.9	9
128	Additive manufacturing of lead-free KNN by binder jetting. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5598-5605.	2.8	9
129	Ultrasonic characterisation of solid-liquid suspensions. <i>Ultrasonics</i> , 1998, 36, 467-470.	2.1	8
130	Characterization Techniques for Porous Piezoelectric Materials. <i>Ferroelectrics</i> , 2003, 293, 291-305.	0.3	8
131	Properties of La and Nb-modified PZT thin films grown by radio frequency assisted pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 39-43.	1.7	8
132	Influence of stoichiometry on the dielectric and ferroelectric properties of the tunable (Ba,Sr)TiO ₃ ceramics investigated by First Order Reversal Curves method. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2915-2921.	2.8	8
133	Sharp silicon/lead zirconate titanate interfaces by electrophoretic deposition on bare silicon wafers and post-deposition sintering. <i>Sensors and Actuators A: Physical</i> , 2012, 174, 123-132.	2.0	8
134	Effects of coupling between octahedral tilting and polar modes on the phase diagram of the ferroelectric perovskites PbZr _{1-x} Ti _x O ₃ and (Na _{1/2} Bi _{1/2}) _{1-x} Ba _x TiO ₃ . <i>Phase Transitions</i> , 2014, 87, 255-270.	0.6	8
135	Synthesis and characterization of CoFe ₂ O ₄ /BNT-BT 0.08 core/shell nanotubes by a template based sol-gel method. <i>Ceramics International</i> , 2018, 44, 10813-10819.	2.3	8
136	Damage from Coexistence of Ferroelectric and Antiferroelectric Domains and Clustering of O Vacancies in PZT: An Elastic and Raman Study. <i>Materials</i> , 2019, 12, 957.	1.3	8
137	Influence of the synthesis route on the properties of BNBT ceramics. <i>Processing and Application of Ceramics</i> , 2009, 3, 73-78.	0.4	8
138	Aging, Memory and Oxygen Vacancies in PLZT. <i>Ferroelectrics</i> , 2007, 353, 78-86.	0.3	7
139	Smearing of induced ferroelectric transition and easy imprinting of different polarization configurations in relaxor ferroelectric (Na _{1/2} Bi _{1/2}) _{1-x} BaxTiO ₃ . <i>Applied Physics Letters</i> , 2013, 102, 162902.	1.5	7
140	Numerical and experimental characterization of a button-shaped miniaturized UHF antenna on magneto-dielectric substrate. <i>International Journal of Microwave and Wireless Technologies</i> , 2013, 5, 231-239.	1.5	7
141	Water-based Si ₃ N ₄ suspensions: Part II. Effect of wet mixing/milling processes on the addition of the sintering aids. <i>Journal of Materials Research</i> , 2000, 15, 164-169.	1.2	6
142	Rheology of Hydroxyapatite Dispersions. <i>Journal of the American Ceramic Society</i> , 2005, 88, 271-276.	1.9	6
143	Synthesis of Nb Doped Lead Zirconate Titanate by Chemical Methods. <i>Advanced Engineering Materials</i> , 2006, 8, 572-576.	1.6	6
144	Anelastic and dielectric study of the phase transformations of around the morphotropic phase boundary. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2172-2176.	1.9	6

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145	Advances in Processing of Bulk Ferroelectric Materials. Springer Series in Materials Science, 2011, , 1-37.	0.4	6
146	Microstructure development in novel titania-cobalt ferrite ceramic materials. Ceramics International, 2016, 42, 2634-2641.	2.3	6
147	Field induced metastable ferroelectric phase in $\text{Pb}_{0.97}\text{La}_{0.03}(\text{Zr}_{0.90}\text{Ti}_{0.10})_{0.9925}\text{O}_3$ ceramics. Journal of the European Ceramic Society, 2018, 38, 1479-1487.	2.8	6
148	A Glance at Processing-Microstructure-Property Relationships for Magnetolectric Particulate PZT-CFO Composites. Materials, 2020, 13, 2592.	1.3	6
149	Vanadium-doped TiO_2 catalysts. A unifying picture of powders and suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 117, 267-272.	2.3	5
150	Pulsed laser deposition of nanocrystalline lead zirconate titanate thin films. Nanotechnology, 1999, 10, 81-85.	1.3	5
151	Residual Stresses in PZT Investigated by Polarized Raman Piezospectroscopy. Ferroelectrics, Letters Section, 2005, 32, 31-39.	0.4	5
152	Elastic aging from coexistence and transformations of ferroelectric and antiferroelectric states in PZT. Journal of Applied Physics, 2016, 120, .	1.1	5
153	Dielectric characterization of $\text{Ba}_x\text{Sr}_{1-x}\text{Fe}_{12}\text{O}_{19}$ ($x=0.05\text{--}0.35$) ceramics. Ceramics International, 2016, 42, 1050-1056.	2.3	5
154	Electric and magnetic properties of ferromagnetic/piezoelectric bilayered composite. Journal of Materials Science, 2018, 53, 14160-14171.	1.7	5
155	Influence of Processing Parameters on the Properties of PZT Materials. , 2000, , 75-86.		5
156	Synthesis, Structural and Electrical Properties of BNT-BTCe@SiO_2 Core-Shell Heterostructure. Science of Advanced Materials, 2015, 7, 2297-2305.	0.1	5
157	Correlation between casting parameters and mechanical properties of an $\text{Al}_2\text{O}_3\text{-ZrO}_2$ composite. Journal of the European Ceramic Society, 1993, 12, 441-448.	2.8	4
158	Critical behavior of ultrasonic wave velocities in porous piezoelectric ceramics. , 0, , .		4
159	Memory Effects in Dielectric and Anelastic Measurements of PLZT. Ferroelectrics, 2004, 302, 221-226.	0.3	4
160	New broadband button-shaped antenna on innovative magneto-dielectric material for wearable applications. , 2012, , .		4
161	Electrical and optical investigations on $\text{Pb}_{1-x/2}\text{LaxZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ thin films obtained by radiofrequency assisted pulsed laser deposition. Thin Solid Films, 2012, 520, 4568-4571.	0.8	4
162	Electro-optic and dielectric properties of epitaxial $\text{Pb}_{1-x/2}\text{LaxZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ thin films obtained by pulsed laser deposition. Thin Solid Films, 2013, 541, 127-130.	0.8	4

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163	Phase Transitions in Lead-free Piezoelectric Ceramics Monitored by the Resonance Method. Physics Procedia, 2015, 63, 61-66.	1.2	4
164	Analytical Modeling and Experimental Verification of a S-Shaped Vibration Energy Harvester. , 2016, , .		4
165	Bilayer thick structures based on CoFe ₂ O ₄ /TiO ₂ composite and niobium-doped PZT obtained by electrophoretic deposition. Journal of the European Ceramic Society, 2016, 36, 373-380.	2.8	4
166	The fabrication and testing of a piezoelectric transformer. Ferroelectrics, 1999, 228, 129-137.	0.3	3
167	Growth of piezoelectric thin films with fine grain microstructure by high energy pulsed laser deposition. Sensors and Actuators A: Physical, 1999, 74, 35-40.	2.0	3
168	High-temperature memory in (Pb ^{1-x} La ^x)(Zr ^{1-x} Ti ^x)O ₃ as intrinsic of the relaxor state rather than due to defect relaxation. Physical Review B, 2006, 74, .	1.1	3
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