Lorena Pardo

List of Publications by Year
in descending order

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192	3,261	147566	205818
papers	citations	31 h-index	48 g-index

196	196	196	1914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic iterative evaluation of complex material constants in piezoelectric ceramics. Journal Physics D: Applied Physics, 1994, 27, 148-155.	1.3	113
2	Automatic determination of complex constants of piezoelectric lossy materials in the radial mode. Journal Physics D: Applied Physics, 1995, 28, 945-956.	1.3	113
3	(Bi3TiNbO9)x(SrBi2Nb2O9)1â^'x aurivillius type structure piezoelectric ceramics obtained from mechanochemically activated oxides. Acta Materialia, 2000, 48, 2421-2428.	3.8	105
4	Low-Temperature Processing of Ferroelectric Thin Films Compatible with Silicon Integrated Circuit Technology. Advanced Materials, 2004, 16, 1620-1624.	11.1	98
5	Towards Lead-Free Piezoceramics: Facing a Synthesis Challenge. Materials, 2016, 9, 21.	1.3	93
6	Method for Obtaining the Full Set of Linear Electric, Mechanical, and Electromechanical Coefficients and All Related Losses of a Piezoelectric Ceramic. Journal of the American Ceramic Society, 2004, 87, 209-215.	1.9	86
7	Influence of calcium on the ferroelectricity of modified lead titanate ceramics. Ferroelectrics, 1989, 94, 183-188.	0.3	75
8	Processing by mechanosynthesis and properties of piezoelectric Pb(Mg1/3Nb2/3)O3â€“PbTiO3 with different compositions. Acta Materialia, 2006, 54, 501-511.	3.8	70
9	Stress-induced suppression of piezoelectric properties in PbTiO3:La thin films via scanning force microscopy. Applied Physics Letters, 2003, 82, 2127-2129.	1.5	67
10	Aurivillius-type ceramics, a class of high temperature piezoelectric materials: Drawbacks, advantages and trends. Progress in Solid State Chemistry, 2009, 37, 15-39.	3.9	64
11	Synthesis and sintering improvement of Aurivillius type structure ferroelectric ceramics by mechanochemical activation. Journal of Materials Chemistry, 1999, 9, 1313-1317.	6.7	60
12	Study of the Process of Mechanochemical Activation to Obtain Aurivillius Oxides with n=1. Journal of Solid State Chemistry, 2001, 160, 54-61.	1.4	57
13	Temperature behaviour of structural, dielectric and piezoelectric properties of sol-gel processed ceramics of the system LiNbO3-NaNbO3. Journal of Physics and Chemistry of Solids, 1997, 58, 1335-1339.	1.9	55
14	Sodium niobate ceramics prepared by mechanical activation assisted methods. Journal of the European Ceramic Society, 2004, 24, 941-945.	2.8	55
15	Theoretical treatment of ferroelectric composites using Monte Carlo calculations. Journal of Applied Physics, 1988, 64, 5092-5097.	1.1	52
16	Dielectric and mechanoelastic relaxations due to point defects in layered bismuth titanate ceramics. Journal of Physics Condensed Matter, 2001, 13, 7315-7326.	0.7	52
17	Room temperature stabilisation of Î³â€Bi2VO5.5 and synthesis of the new fluorite phase fâ€Bi2VO5 by a mechanochemical activation method. Journal of Materials Chemistry, 2000, 10, 767-771.	6.7	49
18	Piezoelectric ceramics based on Bi3TiNbO9 from mechanochemically activated precursors. Journal of the European Ceramic Society, 2001, 21, 1399-1402.	2.8	49

#	Article	IF	Citations
19	Lead-free Ba0.9Ca0.1Ti0.9Zr0.1O3 piezoelectric ceramics processed below 1300Â°C. Journal of Alloys and Compounds, 2014, 584, 28-33.	2.8	45
20	Photo-sensitive solâ€“gel solutions for the low-temperature UV-assisted processing of PbTiO3based ferroelectric thin films. Journal of Materials Chemistry, 2003, 13, 1451-1457.	6.7	42
21	Contributions to the knowledge of calcium-modified lead titanate ceramics. Ferroelectrics, 1988, 87, 97-108.	0.3	41
22	Texture Development in Modified Lead Titanate Thin Films Obtained by Chemical Solution Deposition on Siliconâ€Based Substrates. Journal of the American Ceramic Society, 2003, 86, 1571-1577.	1.9	41
23	Temperature dependence of piezoelectric, elastic and dielectric coefficients at radial resonance of piezoceramics with an Aurivillius-type structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 570-577.	1.7	40
24	Microstructure and texture dependence of the dielectric anomalies and dc conductivity of Bi3TiNbO9 ferroelectric ceramics. Journal of Applied Physics, 2005, 97, 084103.	1.1	39
25	Piezoelectric PMN-PT ceramics from mechanochemically activated precursors. Journal of the European Ceramic Society, 2004, 24, 937-940.	2.8	38
26	Improvement by recrystallisation of Aurivillius-type structure piezoceramics from mechanically activated precursors. Acta Materialia, 2004, 52, 945-957.	3.8	36
27	Effect of mechanochemical activation on the synthesis of NaNbO3 and processing of environmentally friendly piezoceramics. Journal of Alloys and Compounds, 2005, 395, 166-173.	2.8	34
28	A XRD study of 90Â° domains in tetragonal PLZT uncer poling. Ferroelectrics, 1984, 54, 199-202.	0.3	33
29	Microstructure-properties relationships in samarium modified lead titanate piezoceramicsâ€”I. Quantitative study of the microstructure. Acta Materialia, 1996, 44, 1155-1167.	3.8	33
30	Title is missing!. Journal of Sol-Gel Science and Technology, 1998, 13, 837-841.	1.1	33
31	Preliminary results on sol-gel processing of âŒ©100âŒª oriented Pb(Mg1/3Nb2/3)O3-PbTiO3 thin films using diol-based solutions. Journal of Sol-Gel Science and Technology, 2007, 42, 331-336.	1.1	33
32	Shear resonance mode decoupling to determine the characteristic matrix of piezoceramics for 3-D modeling. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 646-657.	1.7	33
33	Field-induced phase transition and relaxor character in submicrometer-structured lead-free (Bi_{0.5}Na_{0.5})_{0.94}Ba_{0.06}TiO<sub> piezoceramics at the morphotropic phase boundary. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1893-1904.	1.7	33
34	Effects of substrate annealing and post-crystallization thermal treatments on the functional properties of preferentially oriented (Pb,Ca)TiO3 thin films. Journal of Applied Physics, 2003, 93, 4081-4090.	1.1	32
35	Photochemical Solution Deposition of Lead-Based Ferroelectric Films: Avoiding the PbO-Excess Addition at Last. Chemistry of Materials, 2008, 20, 5731-5733.	3.2	32
36	Revisiting the Characterization of the Losses in Piezoelectric Materials from Impedance Spectroscopy at Resonance. Materials, 2016, 9, 72.	1.3	32

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37	Rayleigh type behavior of the Young's modulus of unpoled ferroelectric ceramics and its dependence on temperature. Applied Physics Letters, 2003, 83, 2641-2643.	1.5	31
38	Microstructure and temperature dependence of properties of morphotropic phase boundary Bi(Mg1/2Ti1/2)O3-PbTiO3 piezoceramics processed by conventional routes. Journal of the European Ceramic Society, 2007, 27, 237-245.	2.8	31
39	Stress-induced depolarization of (Pb,â€ŠLa)TiO3 ferroelectric thin films by nanoindentation. Applied Physics Letters, 2001, 79, 3830-3832.	1.5	30
40	Microcharacterisation of grain-oriented ceramics based on Bi3TiNbO9 obtained from mechanochemically activated precursors. Journal of the European Ceramic Society, 2001, 21, 1403-1407.	2.8	28
41	Transition between the relaxor and ferroelectric states for (1âˆ’x)Pb(Mg1âˆ•3Nb2âˆ•3)O3â€“xPbTiO3 with x=0.2 and 0.3 polycrystalline aggregates. Applied Physics Letters, 2005, 87, 082910.	1.5	28
42	Combined effect of grain size and tensile stresses on the ferroelectric properties of sol-gel (Pb,La)TiO₃ thin films. Journal of Materials Research, 1999, 14, 4570-4580.	1.2	27
43	A non-Standard shear resonator for the matrix characterization of piezoceramics and its validation study by finite element analysis. Journal Physics D: Applied Physics, 2007, 40, 2162-2169.	1.3	26
44	Quantitative analysis of preferential orientation components of ferroelectric thin films. Ferroelectrics, 2000, 241, 167-174.	0.3	25
45	Electric and ferro-piezoelectric properties of (SBN) 1âˆ’x (BTN) x ceramics obtained from amorphous precursors. Journal of Physics and Chemistry of Solids, 2001, 62, 951-958.	1.9	24
46	Electric field effect on the microstructure and properties of Ba_{0.9}Ca_{0.1}Ti_{0.9}Zr_{0.1}O₃ (BCTZ) lead-free ceramics. Journal of Materials Chemistry A, 2018, 6, 5419-5429.	5.2	24
47	Piezoelectric properties of lead-free submicron-structured (Bi_{0.5}Na_{0.5})_{0.94}Ba_{0.06}TiO₃ceramics from nanopowders. Smart Materials and Structures, 2010, 19, 115007.	1.8	22
48	Ferropiezoelectricity of calcium modified lead titanate ceramics. Journal of Materials Science, 1987, 22, 4395-4397.	1.7	21
49	Ferroelectric self-assembled PbTiO₃perovskite nanostructures onto (100)SrTiO₃substrates from a novel microemulsion aided solâ€“gel preparation method. Nanotechnology, 2007, 18, 375603.	1.3	21
50	Ferroelectricity of lanthanum-modified lead titanate thin films obtained by a diol-based sol-gel method. Applied Physics A: Materials Science and Processing, 1999, 68, 583-592.	1.1	20
51	Multifunctional Polycrystalline Ferroelectric Materials. Springer Series in Materials Science, 2011, , .	0.4	20
52	Enhanced properties for ultrasonic transduction, phase transitions and thermal depoling in 0.96(Bi_{0.5}Na_{0.5})TiO₃-0.04BaTiO₃ submicrometre-structured ceramics. Journal Physics D: Applied Physics, 2011, 44, 335404.	1.3	20
53	Mechanical characterization of calcium-modified lead titanate ceramics by indentation methods. Journal of Materials Science, 1994, 29, 3248-3254.	1.7	18
54	A New Prospect in Road Traffic Energy Harvesting Using Lead-Free Piezoceramics. Materials, 2019, 12, 3725.	1.3	18

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55	Miniature high frequency array transducers based on new fine grain ceramics. , 1994, , .		17
56	Microstructural studies of sol-gel processed Sm-modified lead titanate thin films. Journal of Physics and Chemistry of Solids, 1998, 59, 151-157.	1.9	17
57	Dielectric constant tunability at microwave frequencies and pyroelectric behavior of lead-free submicrometer-structured (Bi_{0.5}Na_{0.5})_{1-x}Ba_xTiO₃ ferroelectric ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1595-1602.	1.7	17
58	Sub-10 Î¼m grain size, Ba_{1â^'x}Ca_xTi_{0.9}Zr_{0.1}O₃(x=) Tj ETQq0 0 0 rgBT /(and Structures, 2015, 24, 065033.	1.8	17
59	Poling reversal effects on piezoelectricity of calcium modified lead titanate ceramic. Ferroelectrics, 1989, 94, 209-214.	0.3	16
60	Low-temperature ultraviolet sol-gel photoannealing processing of multifunctional lead-titanate-based thin films. Journal of Materials Research, 2007, 22, 1824-1833.	1.2	16
61	Microstructural effects on the phase transitions and the thermal evolution of elastic and piezoelectric properties in highly dense, submicron-structured NaNbO3 ceramics. Journal of Materials Science, 2010, 45, 1211-1219.	1.7	16
62	Role of 90Â° domains on the electromechanical anisotropy of ca-modified PbTiO₃ceramics. Ferroelectrics, 1989, 94, 189-194.	0.3	15
63	Microstructural effects on dielectric and piezoelectric behavior of calcium-modified lead titanate ceramics. Journal of Materials Research, 1995, 10, 3194-3203.	1.2	15
64	Tailoring of the functional properties of solâ€“gel films on Pt/TiO2/SiO2/(100)Si substrates: (Pb,La)TiO3/(Pb,Ca)TiO3 multilayer heterostructures. Applied Physics A: Materials Science and Processing, 2005, 80, 369-376.	1.1	15
65	Advanced Synthesis on Leadâ€Free K_xNa_(1â^'x)NbO₃ Piezoceramics for Medical Imaging Applications. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700896.	0.8	15
66	Oriented growth of sol-gel-modified PbTiO3 thin films on Si-based substrates. Surface and Interface Analysis, 2000, 29, 325-329.	0.8	14
67	Influence of the preparation on the microstructure and ferroelectricity of the (SBN)1â^'x(BTN)xceramics. Ferroelectrics, 2000, 241, 279-286.	0.3	14
68	Spontaneous pyro- and piezoelectricity of sol-gel La-modified lead titanate thin films. Integrated Ferroelectrics, 2001, 35, 77-86.	0.3	14
69	Ferroelectrics under the Synchrotron Light: A Review. Materials, 2016, 9, 14.	1.3	14
70	Microstructure-properties relationships in samarium modified lead titanate piezoceramicsâ€”II. Dielectric, piezoelectric and mechanical properties. Acta Materialia, 1996, 44, 1169-1179.	3.8	13
71	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
72	Effect of the substrate heterostructure on the texture of lanthanum modified lead titanate thin films. Journal of the European Ceramic Society, 2001, 21, 1529-1533.	2.8	12

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73	Low temperature preparation of piezoelectric thin films by ultraviolet-assisted rapid thermal processing. Materials Science in Semiconductor Processing, 2002, 5, 77-83.	1.9	12
74	High-temperature ferroelastic phase transitions in Liâ€“Na niobate compounds. Applied Physics Letters, 2003, 82, 3940-3942.	1.5	12
75	Electromechanical properties of SBN/BTN Aurivillius-type ceramics up to the transition temperature. Journal of the European Ceramic Society, 2004, 24, 1687-1691.	2.8	12
76	Study by laser interferometry of the resonance modes of the shear plate used in the standards characterization of piezoceramics. Journal of Electroceramics, 2007, 19, 437-442.	0.8	12
77	The Global and Local Symmetries of Nanostructured Ferroelectric Relaxor 0.94(Bi0.5Na0.5)TiO3â€“ 0.06BaTiO3. Ferroelectrics, 2014, 469, 50-60.	0.3	12
78	Study of poling on calcium modified PbTiO₃piezoceramics. Ferroelectrics, 1990, 109, 125-130.	0.3	11
79	The effect of film thickness on the ferroelectric properties of solâ€“gel prepared lanthanum modified lead titanate thin films. Journal of the European Ceramic Society, 1999, 19, 1481-1484.	2.8	11
80	Similarity and Diversity in Policymaking. International Studies Review, 2005, 7, 455-459.	0.8	11
81	Resonance modes in the standard piezoceramic shear geometry: A discussion based on finite element analysis. European Physical Journal Special Topics, 2005, 128, 207-211.	0.2	11
82	Study of modified lead titanate ceramics by Auger electron spectroscopy. Journal of Materials Science, 1988, 23, 359-364.	1.7	10
83	Reduced dielectric dispersion in ferroelectric (Pb,La)TiO3/(Pb,Ca)TiO3 thin-film multilayer heterostructures due to a mechanical stress relaxation mechanism. Applied Physics Letters, 2004, 84, 4161-4163.	1.5	10
84	(Pb,La)TiO3â^•(Pb,Ca)TiO3 ferroelectric heterostructures for nonvolatile memories. Applied Physics Letters, 2005, 86, 042905.	1.5	10
85	(Pb,Ca)TiO3â^•(Pb,La)TiO3â^•(Pb,Ca)TiO3 heterostructure characterized as ferroelectric multifunctional material. Journal of Applied Physics, 2005, 97, 034108.	1.1	10
86	Resonance Modes in the Standard Characterization of Ferro-Piezoceramic Samples: A Discussion Based on Modelling by Finite Element Analysis. Ferroelectrics, 2006, 336, 181-190.	0.3	10
87	Choosing the best geometries for the linear characterization of lossy piezoceramics: Study of the thickness-poled shear plate. Applied Physics Letters, 2008, 92, 172907.	1.5	10
88	Piezoelectric, ferroelectric Pb(Mg1/3Nb2/3)O3â€“PbTiO3 thin films with compositions around the morphotropic phase boundary prepared by a sol-gel process of reduced thermal budget. Journal of Materials Research, 2009, 24, 526-533.	1.2	10
89	Piezoelectric behavior of Pb1â^’XCaXTiO3ceramics obtained by reactive processes. Ferroelectrics, 1988, 81, 293-296.	0.3	9
90	Theoretical study of ferroelectric composites made from CA-modiified lead titanate ceramics. Ferroelectrics, 1989, 93, 183-188.	0.3	9

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91	Solution processing and crystallization of ferroelectric samarium modified lead titanate thin films. Journal of Materials Chemistry, 1998, 8, 111-118.	6.7	9
92	Impedance measurements for determination of elastic and piezoelectric coefficients of films. Advances in Applied Ceramics, 2010, 109, 156-161.	0.6	9
93	The 0.96(Bi_{0.5}Na_{0.5})TiO₃ â€“ 0.04BaTiO₃ crystal structure: A highâ€Q, highâ€ounting statistics synchrotron diffraction analysis. Crystal Research and Technology, 2014, 49, 190-194.	0.6	9
94	Analysis of the rhombohedralâ€“tetragonal symmetries coexistence in lead-free 0.94(Bi_{0.5}Na_{0.5})TiO₃â€“0.06BaTiO₃ceramics from nanopowders. Advances in Applied Ceramics, 2016, 115, 96-105.	0.6	9
95	Pyrochlore-to-perovskite transformation during rapid heating of sol-gel (Pb,La)TiO3 thin films. Journal of Materials Research, 1999, 14, 4302-4306.	1.2	8
96	Mechanical characterisation of ferroelectric thin films for MEMS. Integrated Ferroelectrics, 2001, 32, 83-92.	0.3	8
97	Pyroelectricity of spontaneously poled La-modified lead titanate thin films on silicon based substrates. Journal of the European Ceramic Society, 2001, 21, 1593-1596.	2.8	8
98	Thermal and electrical behavior of Î³-Bi2VO5.5 and f-Bi2VO5 oxides obtained from mechanochemically activated precursors. Materials Research Bulletin, 2001, 36, 1277-1286.	2.7	8
99	Compositional and structural study of ferroelectric multilayer (Pb,La)TiO3/(Pb,Ca)TiO3 solâ€gel thin films. Journal of the European Ceramic Society, 2004, 24, 1615-1619.	2.8	8
100	Compositional evolution of structural phase transitions in sodium niobates. Journal of the European Ceramic Society, 2004, 24, 1521-1524.	2.8	8
101	Ferroelectricity in Aurivillius-Type Structure Ceramics with n = 2 and (SrBi2Nb2O9)0.35(Bi3TiNbO9)0.65 Composition. Journal of Electroceramics, 2005, 15, 243-250.	0.8	8
102	Ferroelectric PbTiO3 nanostructures onto Si-based substrates with size and shape control. Journal of Nanoparticle Research, 2009, 11, 1227-1233.	0.8	8
103	Optical and Piezoelectric Study of KNN Solid Solutions Co-Doped with La-Mn and Eu-Fe. Materials, 2016, 9, 805.	1.3	8
104	Ba1-xCaxTi0.90Zr0Â·10O3 shear properties and their frequency dependence determined from ceramic plates by an effective method for resonance decoupling. Journal of Alloys and Compounds, 2019, 806, 428-438.	2.8	8
105	Effect of processing on surface acoustic wave properties of a modified lead titanate ceramic. , 0, , .		7
106	Properties and applications of modified lead titanate ceramics. , 0, , .		7
107	Ca and La-Modified Lead Titanate Sol-Gel Thin Films by UV-Assisted Processing for Piezoelectric Sensors. Ferroelectrics, 2002, 267, 335-340.	0.3	7
108	NANOSIZE FERROELECTRIC PbTiO₃ STRUCTURES ONTO SUBSTRATES. PREPARATION BY A NOVEL BOTTOM-UP METHOD AND NANOSCOPIC CHARACTERISATION. Integrated Ferroelectrics, 2008, 99, 95-104.	0.3	7

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109	Quantitative microstructural analysis and piezoelectricity of highly dense, submicron-structured NaNbO3 ceramics from mechanically activated precursors. Journal of the European Ceramic Society, 2009, 29, 2297-2308.	2.8	7
110	Ba_{0.9}Ca_{0.1}TiO₃: microwave-assisted hydrothermal synthesis and piezoelectric properties. Advances in Applied Ceramics, 2018, 117, 72-77.	0.6	7
111	Electromechanical Anisotropy at the Ferroelectric to Relaxor Transition of (Bi0.5Na0.5)0.94Ba0.06TiO3 Ceramics from the Thermal Evolution of Resonance Curves. Applied Sciences (Switzerland), 2018, 8, 121.	1.3	7
112	Determination of the PIC700 Ceramicâ€™s Complex Piezo-Dielectric and Elastic Matrices from Manageable Aspect Ratio Resonators. Materials, 2021, 14, 4076.	1.3	7
113	Confocal Raman Microscopy, Synchrotron X-ray Diffraction, and Photoacoustic Study of Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃: Understanding Structural and Microstructural Response to the Electric Field. ACS Applied Electronic Materials, 2021, 3, 2966-2976.	2.0	7
114	Extruded ceramic fibres of modified lead titanate including sol-gel precursors. Journal of Materials Science, 1987, 22, 4133-4138.	1.7	6
115	Microstructure development of diol-based sol-gel processed lead titanate thin films. Journal of Physics and Chemistry of Solids, 1995, 56, 15-25.	1.9	6
116	Microstructure-ferroelectric properties relationships in solâ€“gel prepared lanthanum modified lead titanate thin films. Journal of the European Ceramic Society, 1999, 19, 1501-1505.	2.8	6
117	Texture and Microstucture Control in (SrBi 2 Nb 2 O 9) 1â^'x (Bi 3 TiNbO 9) x Ceramics. Ferroelectrics, 2002, 270, 9-14.	0.3	6
118	A layer of reduced switchable polarisation in (Pb,La)TiO3 films leading to a thickness dependence of the ferroelectric parameters. Journal of Physics and Chemistry of Solids, 2002, 63, 471-481.	1.9	6
119	New low acoustic impedance piezoelectric material for broadband transducer applications. , 0, , .		6
120	Direct characterization of nanoscale domain switching and local piezoelectric loops of (Pb,La)TiO3 thin films by piezoresponse force microscopy. Applied Physics A: Materials Science and Processing, 2005, 81, 1207-1212.	1.1	6
121	Iterative Method in the Characterization of Piezoceramics of Industrial Interest. Advances in Science and Technology, 2006, 45, 2448-2458.	0.2	6
122	Piezoelectric characterization of lead-free ferroelectric ceramics. Processing and Application of Ceramics, 2010, 4, 199-207.	0.4	6
123	Fabricating ordered functional nanostructures onto polycrystalline substrates from the bottom-up. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	6
124	Piezoelectric Ceramics of the (1 â^' x)Bi0.50Na0.50TiO3â€“xBa0.90Ca0.10TiO3 Lead-Free Solid Solution: Chemical Shift of the Morphotropic Phase Boundary, a Case Study for x = 0.06. Materials, 2017, 10, 736.	1.3	6
125	Assessment of the functional properties stability in (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 piezoceramics: Huge dielectric and piezoelectric nonlinearity. Journal of Alloys and Compounds, 2019, 774, 410-417.	2.8	6
126	An alternative method for the measurement of the clamped capacitance of disk shaped piezoelectric ceramics. Ferroelectrics, 1990, 109, 83-88.	0.3	5

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127	90Â° Domain reorientation as a function of the field on Ca-modified lead titanate ceramics by XRD. Ferroelectrics, 1992, 126, 329-333.	0.3	5
128	High temperature electromechanical behaviour of sodium substituted lithium niobate ceramics. Ferroelectrics, 1996, 186, 281-285.	0.3	5
129	Photo-Activated Ca-PbTiO 3 Solutions for the Preparation of Films at Low Temperatures. Ferroelectrics, 2002, 271, 45-50.	0.3	5
130	High Pyroelectric Coefficients of Ca-Modified Lead Titanate Sol-Gel Thin Films Obtained by Multiple Deposition and Crystallization. Ferroelectrics, 2002, 271, 385-390.	0.3	5
131	Thermal analysis study of diol based precursors for chemical solution deposition of 0Â·7 Pb(Mg_{1/3}Nb_{2/3})O₃-0Â·3 PbTiO₃thin films. Advances in Applied Ceramics, 2010, 109, 147-151.	0.6	5
132	Properties of Ferro-Piezoelectric Ceramic Materials in the Linear Range: Determination from Impedance Measurements at Resonance. Springer Series in Materials Science, 2011, , 617-649.	0.4	5
133	FEA Study of Shear Mode Decoupling in Nonstandard Thin Plates of a Lead-Free Piezoelectric Ceramic. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 325-333.	1.7	5
134	Microestructura y piezoelectricidad de cerÃ¡micas de Bi₃TiNbO₉ obtenidas a partir de precursores activados mecanoquimicamente. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 1999, 38, 563-567.	0.9	5
135	Concentration and temperature dependence of the lattice parameters of calcium modified lead titanate ceramics. Ferroelectrics, 1995, 173, 283-296.	0.3	4
136	Changes in the piezoelectric parameters of PZT ceramics during the poling process. Ferroelectrics, 1998, 208-209, 449-457.	0.3	4
137	Piezoelectric ceramic materials for power ultrasonic transducers. , 2015, , 101-125.		4
138	Phase Transitions in Lead-free Piezoelectric Ceramics Monitored by the Resonance Method. Physics Procedia, 2015, 63, 61-66.	1.2	4
139	A Modified Iterative Automatic Method for Characterization at Shear Resonance: Case Study of Ba0.85Ca0.15Ti0.90Zr0.10O3 Eco-Piezoceramics. Materials, 2020, 13, 1666.	1.3	4
140	Microstructure and Local Piezoelectric Properties of (Pb,Ca)TiO 3 Thin Films. Ferroelectrics, 2003, 296, 229-237.	0.3	4
141	Dependencia con la temperatura de las propiedades elÃ©ctricas, mecÃ¡nicas y electromecÃ¡nicas de nuevas piezocerÃ¡micas de alta sensibilidad. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 540-543.	0.9	4
142	Electrostriction and thermal expansion in plzt ceramics in connection with their phase transition. Ferroelectrics, 1989, 94, 201-208.	0.3	3
143	Preparation and piezoelectric properties of boron glass and Ca-modified PbTiO3composites. Ferroelectrics, 1992, 127, 179-184.	0.3	3
144	Fabrication of high density, fine-grained PZT ceramics using a post-sinter HIP treatment. , 0, , .		3

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145	Ferroelectric Materials Based on Lead Titanate. , 1999, , 457-499.		3
146	Synthesis and Characterization of Sr 2 [Sr nâ˜1 Ti n O 3n+1] Series by Mechanochemical Activation. Ferroelectrics, 2002, 268, 399-404.	0.3	3
147	Enhancement of the 90Â° domain-wall mobility in sol-gel (Pb,La)TiO3 thin films prepared by multiple deposition and crystallization. Journal of Applied Physics, 2005, 98, 024117.	1.1	3
148	Electric Anomalies and Their Relation with the Thermal Evolution of the Planar Resonance in Aurivillius-Type Structure Piezoceramics. Journal of the Electrochemical Society, 2005, 152, F1.	1.3	3
149	Elastic instability of the nano-structured state as an intrinsic probe to study the early formation stages of solâ€“gel derived (Pb1-xCax)TiO3 thin films. Applied Physics A: Materials Science and Processing, 2007, 89, 967-973.	1.1	3
150	Influence of the Substrate Surface on the Self-Assembly of Ferroelectric PbTiO₃Nanostructures Obtained by Microemulsion Assisted Chemical Solution Deposition. Ferroelectrics, 2009, 390, 122-129.	0.3	3
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