Juan Claudio Nino

List of Publications by Year
in descending order

154 papers	6,817 citations	66250 44 h-index	75989 78 g-index
161 all docs	161 docs citations	161 times ranked	8736 citing authors

#	Article	IF	Citations
1	Memristive applications of metal oxide nanofibers. , 2022, , 247-275.		1
2	Connectomic analysis of Alzheimerâ€™s disease using percolation theory. Network Neuroscience, 2022, 6, 213-233.	1.4	6
3	Trivalent Dopant Size Influences Electrostrictive Strain in Ceria Solid Solutions. ACS Applied Materials & Interfaces, 2021, 13, 20269-20276.	4.0	9
4	Effect of Reduced Atmosphere Sintering on Blocking Grain Boundaries in Rare-Earth Doped Ceria. Inorganics, 2021, 9, 63.	1.2	2
5	Microstructure evolution of gadolinium doped cerium oxide under large thermal gradients. Ceramics International, 2021, 47, 27718-27729.	2.3	0
6	Complementary resistive switching in coreâ€"shell nanowires. Journal of Applied Physics, 2021, 130, 155104.	1.1	0
7	Solventâ€deficient method lowers grainâ€boundary resistivity of doped ceria. Journal of the American Ceramic Society, 2020, 103, 819-830.	1.9	4
8	Palm readings: Manicaria saccifera palm fibers are biocompatible textiles with low immunogenicity. Materials Science and Engineering C, 2020, 108, 110484.	3.8	12
9	22 K superconductivity in $BaFe_2As_2$ exposed to F_2. Physical Review B, 2020, 102, .	1.1	3
10	Dopant Concentration Controls Quasi-Static Electrostrictive Strain Response of Ceria Ceramics. ACS Applied Materials & Interfaces, 2020, 12, 39381-39387.	4.0	16
11	Resistive switching in atomic layer deposited HfO_2/ZrO_2 nanolayer stacks. Applied Surface Science, 2020, 515, 146015.	3.1	30
12	Simplified sol-gel processing method for amorphous TiO_x Memristors. Journal of Electroceramics, 2020, 44, 52-58.	0.8	4
13	Machine learning of octahedral tilting in oxide perovskites by symbolic classification with compressed sensing. Computational Materials Science, 2020, 180, 109690.	1.4	19
14	Effect of Pt_3Pb on the permittivity and conductivity of lead zirconate titanate thin films. Thin Solid Films, 2019, 685, 420-427.	0.8	1
15	Room temperature semiconductor detectors for nuclear security. Journal of Applied Physics, 2019, 126, .	1.1	74
16	Oxygen vacancy ordering and viscoelastic mechanical properties of doped ceria ceramics. Scripta Materialia, 2019, 163, 19-23.	2.6	15
17	Structural, magnetic and optical properties of $BiFeO_3$ synthesized by the solvent-deficient method. Ceramics International, 2019, 45, 19793-19798.	2.3	14
18	Effect of a DC bias on the conductivity of gadolinia doped ceria thin films. Electrochimica Acta, 2019, 303, 275-283.	2.6	2

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19	Solvent-deficient synthesis of cerium oxide: Characterization and kinetics. Ceramics International, 2019, 45, 10063-10071.	2.3	10
20	Resistive switching in multiferroic BiFeO3 films: Ferroelectricity versus vacancy migration. Solid State Communications, 2019, 288, 38-42.	0.9	9
21	Unexpectedly high piezoelectricity of Sm-doped lead zirconate titanate in the Curie point region. Scientific Reports, 2018, 8, 4120.	1.6	35
22	Comparison of the in- and across-plane ionic conductivity of highly oriented neodymium doped ceria thin films. Acta Materialia, 2018, 147, 10-15.	3.8	3
23	Applications and Opportunities of Nanomaterials in Construction and Infrastructure. Minerals, Metals and Materials Series, 2018, , 437-452.	0.3	4
24	Evaluation of the computational capabilities of a memristive random network (MN3) under the context of reservoir computing. Neural Networks, 2018, 106, 223-236.	3.3	9
25	Memristive nanowires exhibit small-world connectivity. Neural Networks, 2018, 106, 144-151.	3.3	16
26	Building Smarter, Scalable Hardware For Artificial Intelligence. , 2018, , .		0
27	Grain orientation effects on the ionic conductivity of neodymia doped ceria thin films. Acta Materialia, 2017, 133, 81-89.	3.8	8
28	Suppressed grain growth in highly porous barium titanate foams by twoâ€step sintering. Journal of the American Ceramic Society, 2017, 100, 539-545.	1.9	5
29	Effect of Microwave Processing on the Crystallization and Energy Density of BaOâ€Na₂Oâ€Nb₂O₅â€SiO₂â€B₂O₃ Glassâ€Ceramics. Journal of the American Ceramic Society, 2017, 100, 65-73.	1.9	20
30	Thin film organic photodetectors for indirect X-ray detection demonstrating low dose rate sensitivity at low voltage operation. Journal of Applied Physics, 2017, 122, 225502.	1.1	29
31	Role of composition and structure on the properties of metal/multifunctional ceramic interfaces. Journal of Applied Physics, 2016, 120, .	1.1	6
32	Enhanced gamma ray sensitivity in bismuth triiodide sensors through volumetric defect control. Applied Physics Letters, 2016, 109, .	1.5	16
33	Diffusion Across M/Pb(Zr,Ti)O 3 Interfaces (M=Pt 3 Pb or Pt) Under Different System Conditions. Journal of the American Ceramic Society, 2016, 99, 356-362.	1.9	2
34	Internal barrier layer capacitor, nearest neighbor hopping, and variable range hopping conduction in Ba1â^'x Sr x TiO3â^'Î´ nanoceramics. Journal of Materials Science, 2016, 51, 7440-7450.	1.7	11
35	Fabrication and testing of antimony doped bismuth tri-iodide semiconductor gamma-ray detectors. Radiation Measurements, 2016, 91, 1-8.	0.7	7
36	Potentiostatic deposition of Cu2O films as p-type transparent conductors at room temperature. Thin Solid Films, 2016, 616, 760-766.	0.8	23

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37	Kinetic Analysis of Crystallization in Li_{1.3}Al_{0.3}Ti_{1.7}(<scp>PO</scp>₄)₃ Glass Ceramics. Journal of the American Ceramic Society, 2016, 99, 3260-3266.	1.9	4
38	Three-dimensional quantification of composition and electrostatic potential at individual grain boundaries in doped ceria. Journal of Materials Chemistry A, 2016, 4, 5167-5175.	5.2	39
39	Colossal permittivity and low losses in Ba1â€œSr TiO3â€œ reduced nanoceramics. Journal of the European Ceramic Society, 2016, 36, 567-575.	2.8	27
40	Superheating suppresses structural disorder in layered BiI3 semiconductors grown by the Bridgman method. Journal of Crystal Growth, 2016, 433, 153-159.	0.7	8
41	Epoxy interface method enables enhanced compressive testing of highly porous and brittle materials. Ceramics International, 2016, 42, 1150-1159.	2.3	5
42	Hydrothermal crystal growth, piezoelectricity, and triboluminescence of KNaNbOF5. Journal of Solid State Chemistry, 2016, 236, 78-82.	1.4	11
43	Combined Experimental and Computational Methods Reveal the Evolution of Buried Interfaces during Synthesis of Ferroelectric Thin Films. Advanced Materials Interfaces, 2015, 2, 1500181.	1.9	16
44	Thin Films: Combined Experimental and Computational Methods Reveal the Evolution of Buried Interfaces during Synthesis of Ferroelectric Thin Films (Adv. Mater. Interfaces 10/2015). Advanced Materials Interfaces, 2015, 2, .	1.9	0
45	Electrospinning of superconducting YBCO nanowires. Superconductor Science and Technology, 2015, 28, 015006.	1.8	26
46	Growth, fabrication, and testing of bismuth tri-iodide semiconductor radiation detectors. Radiation Measurements, 2015, 74, 47-52.	0.7	29
47	Across plane ionic conductivity of highly oriented neodymium doped ceria thin films. Physical Chemistry Chemical Physics, 2015, 17, 12259-12264.	1.3	7
48	Microwave Processing for Improved Ionic Conductivity in Li₂Oâ€“Al₂O₃â€“TiO₂â€“P₂O₅ Glassâ€Ceramics. Journal of the American Ceramic Society, 2015, 98, 2422-2427.	1.9	31
49	Prediction and characterization of heat-affected zone formation in tin-bismuth alloys due to nickel-aluminum multilayer foil reaction. Journal of Applied Physics, 2015, 117, 245104.	1.1	5
50	Thermal properties of novel binary geopolymers based on metakaolin and alternative silica sources. Applied Clay Science, 2015, 118, 276-282.	2.6	85
51	Investigation of Bismuth Triiodide (BiI₃) for Photovoltaic Applications. Journal of Physical Chemistry Letters, 2015, 6, 4297-4302.	2.1	176
52	Mechanical and thermal properties of low temperature sintered silicon carbide using a preceramic polymer as binder. Journal of Materials Science, 2015, 50, 7000-7009.	1.7	9
53	Highâ€Efficiency Solutionâ€Processed Planar Perovskite Solar Cells with a Polymer Hole Transport Layer. Advanced Energy Materials, 2015, 5, 1401855.	10.2	337
54	Biocompatibility evaluation of porous ceria foams for orthopedic tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 8-15.	2.1	29

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55	Highâ€Efficiency Solutionâ€Processed Planar Perovskite Solar Cells with a Polymer Hole Transport Layer. Advanced Energy Materials, 2015, 5, .	10.2	7
56	Atomic Displacive Disorder in Bi₂Ti₂O₇. Journal of Physical Chemistry C, 2014, 118, 28797-28803.	1.5	14
57	Domain Wall Displacement is the Origin of Superior Permittivity and Piezoelectricity in BaTiO₃ at Intermediate Grain Sizes. Advanced Functional Materials, 2014, 24, 885-896.	7.8	164
58	Influence of roughness on the efficacy of grazing incidence X-ray diffraction to characterize grinding-induced phase changes in yttria-tetragonal zirconia polycrystals (Y-TZP). Journal of Materials Science, 2014, 49, 1630-1638.	1.7	12
59	Dielectric Properties and Relaxation of <scp><scp>Bi</scp></scp>₂<scp><scp>Ti</scp></scp>₂<scp><scp>O</scp></scp><sub>7</sub Journal of the American Ceramic Society, 2014, 97, 1763-1768.	1.9	35
60	Biocompatible evaluation of barium titanate foamed ceramic structures for orthopedic applications. Journal of Biomedical Materials Research - Part A, 2014, 102, 2089-2095.	2.1	63
61	Defect Engineering of BiI₃ Single Crystals: Enhanced Electrical and Radiation Performance for Room Temperature Gamma-Ray Detection. Journal of Physical Chemistry C, 2014, 118, 3244-3250.	1.5	72
62	Variable Range Hopping Conduction in BaTiO₃ Ceramics Exhibiting Colossal Permittivity. Journal of Physical Chemistry C, 2014, 118, 9137-9142.	1.5	79
63	Effect of composition on thermal conductivity of MgOâ€"Nd2Zr2O7 composites for inert matrix materials. Journal of Nuclear Materials, 2014, 444, 385-392.	1.3	18
64	Ferroelectric Materials: Domain Wall Displacement is the Origin of Superior Permittivity and Piezoelectricity in BaTiO₃ at Intermediate Grain Sizes (Adv. Funct. Mater. 7/2014). Advanced Functional Materials, 2014, 24, 884-884.	7.8	3
65	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. Journal of the American Chemical Society, 2013, 135, 11942-11950.	6.6	89
66	Origin of colossal permittivity in BaTiO3 via broadband dielectric spectroscopy. Journal of Applied Physics, 2013, 113, .	1.1	86
67	Influence of Oxygen Substoichiometry on the Dielectric Properties of BaTiO_{3â€Î´} Nanoceramics Obtained by Spark Plasma Sintering. International Journal of Applied Ceramic Technology, 2013, 10, E122.	1.1	29
68	Electrospinning synthesis of superconducting BSCCO nanowires. Physica C: Superconductivity and Its Applications, 2013, 495, 109-113.	0.6	37
69	In-pile irradiation induced defects and the effect on thermal diffusivity of MgO. Journal of Nuclear Materials, 2013, 434, 90-96.	1.3	6
70	Enhanced catalytic methane coupling using novel ceramic foams with bimodal porosity. Catalysis Science and Technology, 2013, 3, 89-93.	2.1	17
71	Consistency in the chemical expansion of fluorites: A thermal revision of the doped ceria. Acta Materialia, 2013, 61, 5406-5413.	3.8	34
72	BiNb3O9, a metastable perovskite phase with Bi/vacancy ordering: Crystal structure and dielectric properties. Journal of Solid State Chemistry, 2013, 200, 323-327.	1.4	5

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73	Proton-conducting barium stannates: Doping strategies and transport properties. International Journal of Hydrogen Energy, 2013, 38, 1598-1606.	3.8	36
74	Local atomic structure deviation from average structure of Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	111
75	Ionic conductivity of SmxNdyCe0.9O2â^'Î´ codoped ceria electrolytes. Journal of Alloys and Compounds, 2013, 575, 399-402.	2.8	25
76	Colossal Permittivity in Microwaveâ€Sintered Barium Titanate and Effect of Annealing on Dielectric Properties. Journal of the American Ceramic Society, 2013, 96, 485-490.	1.9	39
77	Band gap and structure of single crystal BiI3: Resolving discrepancies in literature. Journal of Applied Physics, 2013, 114, .	1.1	109
78	Energy landscape in frustrated systems: Cation hopping in pyrochlores. Applied Physics Letters, 2013, 103, 022901.	1.5	6
79	Heat Treatments Modify the Tribological Properties of Nickel Boron Coatings. ACS Applied Materials & Interfaces, 2012, 4, 3069-3076.	4.0	31
80	Ionic conductivity across the disorderâ€"order phase transition in the NdO1.5â€"CeO2 system. Solid State Ionics, 2012, 221, 15-21.	1.3	15
81	Structural and defect properties of the LaPO4 and LaP5O14-based proton conductors. Journal of Materials Chemistry, 2012, 22, 25388.	6.7	31
82	The Role of Polar, Lamdba (Î›)-Shaped Building Units in Noncentrosymmetric Inorganic Structures. Journal of the American Chemical Society, 2012, 134, 7679-7689.	6.6	123
83	Applicability of the Bruggeman Equation for Analyzing Dielectric Slurries Containing Ceramic Powders with High Permittivity. Journal of the American Ceramic Society, 2012, 95, 457-460.	1.9	11
84	Synthesis of <scp><scp>BaTiO</scp></scp>₃â€20wt%<scp><scp>CoFe</scp></scp>₂<scp><scp>O</scp></scp><sub>4 Nanocomposites via Spark Plasma Sintering. Journal of the American Ceramic Society, 2012, 95, 2504-2509.	1.9	44
85	Ionic conductivity across the disorderâ€"order phase transition in the SmO1.5â€"CeO2 system. Journal of the European Ceramic Society, 2012, 32, 3543-3550.	2.8	16
86	Interfacial Reactivity of Au, Pd, and Pt on BiI₃ (001): Implications for Electrode Selection. ACS Applied Materials & Interfaces, 2011, 3, 1910-1917.	4.0	17
87	The tolerance factors of the pyrochlore crystal structure. Journal of Materials Chemistry, 2011, 21, 3611.	6.7	50
88	Bi₂Ti₂O₇: It Is Not What You Have Read. Chemistry of Materials, 2011, 23, 4965-4974.	3.2	126
89	Origins of Electroâ€Mechanical Coupling in Polycrystalline Ferroelectrics During Subcoercive Electrical Loading. Journal of the American Ceramic Society, 2011, 94, 293-309.	1.9	310
90	Conductivity Enhancement in Lanthanum Phosphates. Journal of the American Ceramic Society, 2011, 94, 1817-1823.	1.9	16

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91	Characterization of bismuth tri-iodide single crystals for wide band-gap semiconductor radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 166-169.	0.7	50
92	Effect of inversion on thermoelastic and thermal transport properties of MgAl2O4 spinel by atomistic simulation. Journal of Materials Science, 2011, 46, 55-62.	1.7	27
93	Proton conduction in acceptor doped SnP2O7. Solid State Ionics, 2011, 183, 26-31.	1.3	54
94	Synchrotron and neutron powder diffraction study of phase transition in weberite-type Nd3NbO7 and La3NbO7. Journal of Solid State Chemistry, 2011, 184, 2263-2271.	1.4	15
95	Capturing dynamic cation hopping in cubic pyrochlores. Applied Physics Letters, 2011, 99, .	1.5	10
96	Enhanced long-term stability of bismuth oxide-based electrolytes for operation at 500ÂÂ°C. Ionics, 2010, 16, 97-103.	1.2	34
97	Phase formation and dielectric properties of Ln2(Lnâ€²0.5Nb0.5)2O7 (Ln=rare earth element). Journal of the European Ceramic Society, 2010, 30, 307-313.	2.8	17
98	Performance of anode-supported solid oxide fuel cell using novel ceria electrolyte. Journal of Power Sources, 2010, 195, 2131-2135.	4.0	53
99	Phase Transition in Weberiteâ€Type Gd₃NbO₇. Journal of the American Ceramic Society, 2010, 93, 875-880.	1.9	15
100	Effect of Annealing Temperature and Dopant Concentration on the Conductivity Behavior in (DyO_{1.5})_xâ€“(WO₃)_yâ€“(BiO_{1.5})_{1âˆ’xâˆ’y}. Journal of the American Ceramic Society, 2010, 93, 1384-1391.	1.9	30
101	Novel Y_{2âˆ’<i>x</i>}Pr<i>_x</i>Ru₂O₇ (<i>x</i>=0â€“2) Pyrochlore Oxides Prepared Using a Soft Chemistry Route and their Electrical Properties. Journal of the American Ceramic Society, 2010, 93, 1970-1977.	1.9	19
102	Raman study of phonon modes in bismuth pyrochlores. Physical Review B, 2010, 82, .	1.1	87
103	Hydrothermal Corrosion of Magnesia-Pyrochlore Composites for Inert Matrix Materials. Journal of Composite Materials, 2010, 44, 1533-1545.	1.2	11
104	Bismuth tri-iodide radiation detector development. , 2009, , .		1
105	Ionic conductivity of plasma-sprayed nanocrystalline yttria-stabilized zirconia electrolyte for solid oxide fuel cells. Scripta Materialia, 2009, 60, 1023-1026.	2.6	21
106	Dissolution behavior of MgOâ€“pyrochlore composites in acidic solutions. Journal of Nuclear Materials, 2009, 394, 39-45.	1.3	16
107	Complex ceramic structures. I. Weberites. Acta Crystallographica Section B: Structural Science, 2009, 65, 269-290.	1.8	89
108	Lattice parameter determination using a curved position-sensitive detector in reflection geometry and application to Sm_{<i>x</i>/2}Nd_{<i>x</i>/2}Ce_{1â€“<i>x</i>}O_{2â€“Î´}ceramics. Journal of Applied Crystallography, 2009, 42, 490-495.	1.9	16

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109	Subcoercive Cyclic Electrical Loading of Lead Zirconate Titanate Ceramics I: Nonlinearities and Losses in the Converse Piezoelectric Effect. Journal of the American Ceramic Society, 2009, 92, 2291-2299.	1.9	68
110	Crystal Structureâ€“Ionic Conductivity Relationships in Doped Ceria Systems. Journal of the American Ceramic Society, 2009, 92, 2674-2681.	1.9	172
111	Synthesis and Characterization of BaTiO₃â€Based Foams with a Controlled Microstructure. International Journal of Applied Ceramic Technology, 2009, 6, 651-660.	1.1	15
112	Strain state of bismuth zinc niobate pyrochlore thin films. Thin Solid Films, 2009, 517, 4325-4328.	0.8	9
113	Mechanical properties of BaTiO3 open-porosity foams. Journal of the European Ceramic Society, 2009, 29, 1987-1993.	2.8	17
114	In situ studies of ion irradiated inverse spinel compound magnesium stannate (Mg2SnO4). Journal of Nuclear Materials, 2009, 389, 410-415.	1.3	7
115	The effect of processing on the thermal diffusivity of MgOâ€“Nd2Zr2O7 composites for inert matrix materials. Journal of Nuclear Materials, 2009, 393, 203-211.	1.3	19
116	Structure of Î´-Bi2O3 from density functional theory: A systematic crystallographic analysis. Journal of Solid State Chemistry, 2009, 182, 1222-1228.	1.4	17
117	Time-Resolved, Electric-Field-Induced Domain Switching and Strain in Ferroelectric Ceramics and Crystals. Springer Series in Solid-state Sciences, 2009, , 149-175.	0.3	2
118	Thermal transport properties of MgO and Nd2Zr2O7 pyrochlore by molecular dynamics simulation. Journal of Nuclear Materials, 2008, 380, 1-7.	1.3	30
119	Pyrochlore formation, phase relations, and properties in the CaOâ€“TiO2â€“(Nb,Ta)2O5 systems. Journal of Solid State Chemistry, 2008, 181, 406-414.	1.4	41
120	Crystal structure, stoichiometry, and dielectric relaxation in Bi3.32Nb7.09O22.7 and structurally related ternary phases. Journal of Solid State Chemistry, 2008, 181, 499-507.	1.4	5
121	Higher conductivity Sm3+ and Nd3+ co-doped ceria-based electrolyte materials. Solid State Ionics, 2008, 178, 1890-1897.	1.3	191
122	Vacancyâ€Ordered Structure of Cubic Bismuth Oxide from Simulation and Crystallographic Analysis. Journal of the American Ceramic Society, 2008, 91, 2349-2356.	1.9	45
123	Stability Phaseâ€Fields and Pyrochlore Formation in Sections of the Bi₂O₃â€“Al₂O₃â€“Fe₂O₃â€“Nb₂O<sub>5 System. Journal of the American Ceramic Society, 2008, 91, 3659-3662.	1.9	16
124	Iodine based compound semiconductors for room temperature gamma-ray spectroscopy. Proceedings of SPIE, 2008, , .	0.8	12
125	Infrared and X-Ray Photoemission Spectroscopy of Adsorbates on La[sub 2]CuO[sub 4] to Determine Potentiometric NO[sub x] Sensor Response Mechanism. Journal of the Electrochemical Society, 2008, 155, J198.	1.3	13
126	First-principles study of cubic Bi pyrochlores. Physical Review B, 2008, 77, .	1.1	61

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127	Crystal Growth of Two New Niobates, La2KNbO6 and Nd2KNbO6: Structural, Dielectric, Photophysical, and Photocatalytic Properties. Chemistry of Materials, 2008, 20, 3327-3335.	3.2	32
128	Time-resolved measurement of structural changes in lead zirconate titanate ceramics under cyclic electric fields. , 2008, , .		0
129	Broadband Dielectric Characterization of Aluminum Oxide (Al2O3). Journal of Microelectronics and Electronic Packaging, 2008, 5, 2-7.	0.8	60
130	Proton Conducting Material Ba[sub 3]Ce(PO[sub 4])[sub 3] Synthesized by Coprecipitation. Journal of the Electrochemical Society, 2007, 154, H566.	1.3	4
131	Higher ionic conductive ceria-based electrolytes for solid oxide fuel cells. Applied Physics Letters, 2007, 91, .	1.5	108
132	â€˜Time-resolved and orientation-dependent electric-field-induced strains in lead zirconate titanate ceramics. Applied Physics Letters, 2007, 90, 172909.	1.5	47
133	Electrospinning of complex oxide nanofibers. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 254-259.	1.3	37
134	Processing of magnesiaâ€“pyrochlore composites for inert matrix materials. Journal of Nuclear Materials, 2007, 362, 336-342.	1.3	22
135	Structure and dielectric properties of Ln3NbO7 (Ln=Nd, Gd, Dy, Er, Yb and Y). Journal of the European Ceramic Society, 2007, 27, 3971-3976.	2.8	66
136	Sol-gel based synthesis of complex oxide nanofibers. Journal of Sol-Gel Science and Technology, 2007, 42, 323-329.	1.1	50
137	Processing and Structure Relationships in Electrospinning of Ceramic Fiber Systems. Journal of the American Ceramic Society, 2006, 89, 395-407.	1.9	394
138	Subsolidus phase equilibria and properties in the system Bi2O3:Mn2O3Â±x:Nb2O5. Journal of Solid State Chemistry, 2006, 179, 3467-3477.	1.4	83
139	Phase formation, crystal chemistry, and properties in the system Bi2O3â€“Fe2O3â€“Nb2O5. Journal of Solid State Chemistry, 2006, 179, 3900-3910.	1.4	123
140	A co-doping approach towards enhanced ionic conductivity in fluorite-based electrolytes. Solid State Ionics, 2006, 177, 3199-3203.	1.3	137
141	Phase Formation and Properties in the System Bi2O3:2CoO1+x:Nb2O5. European Journal of Inorganic Chemistry, 2006, 2006, 4908-4914.	1.0	70
142	Phase Formation and Dielectric Properties of Ln3NbO7 (Ln = Rare Earth Elements). Materials Research Society Symposia Proceedings, 2006, 988, 1.	0.1	1
143	Synthesis of barium titanate (BaTiO3) nanofibers via electrospinning. Materials Letters, 2005, 59, 3645-3647.	1.3	171
144	Infrared study of the phonon modes in bismuth pyrochlores. Physical Review B, 2005, 72, .	1.1	45

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145	Dielectric, ferroelectric, and piezoelectric properties of (001) BiScO3â€“PbTiO3 epitaxial films near the morphotropic phase boundary. Journal of Materials Research, 2004, 19, 568-572.	1.2	36
146	Anomalous broad dielectric relaxation inBi1.5Zn1.0Nb1.5O7pyrochlore. Physical Review B, 2002, 66, .	1.1	193
147	Low-temperature dielectric relaxation in the pyrochlore (Bi3/4Zn1/4)2(Zn1/4Ta3/4)2O7 compound. Applied Physics Letters, 2002, 80, 4807-4809.	1.5	42
148	Crystal Structure of the Compound Bi₂Zn_{2/3}Nb_{4/3}O₇. Journal of Materials Research, 2002, 17, 1406-1411.	1.2	79
149	Bi2O3 Solubility of Bi-based Pyrochlores and Related Phases. Journal of Materials Research, 2002, 17, 1178-1182.	1.2	22
150	Correlation between infrared phonon modes and dielectric relaxation in Bi2O3â€“ZnOâ€“Nb2O5 cubic pyrochlore. Applied Physics Letters, 2002, 81, 4404-4406.	1.5	72
151	Transmission electron microscopy investigation of Bi2O3â€“ZnOâ€“Nb2O5 pyrochlore and related phases. Materials Letters, 2002, 57, 414-419.	1.3	23
152	Structural Study of an Unusual Cubic Pyrochlore Bi1.5Zn0.92Nb1.5O6.92. Journal of Solid State Chemistry, 2002, 168, 69-75.	1.4	211
153	Dielectric relaxation in Bi2O3â€“ZnOâ€“Nb2O5 cubic pyrochlore. Journal of Applied Physics, 2001, 89, 4512-4516.	1.1	162
154	Phase formation and reactions in the Bi₂O₃â€“ZnOâ€“Nb₂O₅â€“Ag pyrochlore system. Journal of Materials Research, 2001, 16, 1460-1464.	1.2	63