Doru C Lupascu

List of Publications by Year
in descending order

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219	6,890	76326	74163
papers	citations	40 h-index	75 g-index

224	224	224	6108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The phenomenon of bitumen â€˜bee' structures â€“ bulk or surface layer â€“ a closer look. International Journal of Pavement Engineering, 2022, 23, 1768-1776.	4.4	7
2	Interplay of domain structure and phase transitions: theory, experiment and functionality. Journal of Physics Condensed Matter, 2022, 34, 073002.	1.8	10
3	Strong magnetoelectric coupling at an atomic nonmagnetic electromagnetic probe in bismuth ferrite. Physical Review B, 2022, 105, .	3.2	4
4	Revealing Weak Dimensional Confinement Effects in Excitonic Silver/Bismuth Double Perovskites. Jacs Au, 2022, 2, 136-149.	7.9	12
5	The Local Exploration of Magnetic Field Effects in Semiconductors. Crystals, 2022, 12, 560.	2.2	0
6	High Energy Storage Density in Nanocomposites of P(VDF-TrFE-CFE) Terpolymer and BaZr0.2Ti0.8O3 Nanoparticles. Materials, 2022, 15, 3151.	2.9	4
7	Laser Ablation of NiFe2O4 and CoFe2O4 Nanoparticles. Nanomaterials, 2022, 12, 1872.	4.1	0
8	Hybrid biodegradable electrospun scaffolds based on poly(l-lactic acid) and reduced graphene oxide with improved piezoelectric response. Polymer Journal, 2022, 54, 1237-1252.	2.7	8
9	Role of cooperative factors in the photocatalytic activity of Ba and Mn doped BiFeO₃ nanoparticles. Nanoscale Advances, 2021, 3, 5830-5840.	4.6	9
10	Reply to the Comment on â€œPhase transitions, screening and dielectric response of CsPbBr3â€•by Å. Svirskas, S. BalÄ•Å«nas, M. Å imÄ—nas, G. UseviÄius, M. Kinka, M. VeliÄka, D. Kubicki, M. E. Castillo, A. Karabanov, V. V. Shvartsman, M. R. Soares, V. Å ablinskas, A. N. Salak, D. C. Lupascu and J. Banys, J. Mater. Chem. A, 2020, 8, 14015. Journal of Materials Chemistry A, 2021, 9, 11453-11455.	10.3	1
11	Imageâ€based stress analysis of porous freeze casts. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000135.	0.2	0
12	Comment on â€œGiant pyroelectric energy harvesting and a negative electrocaloric effect in multilayered nanostructuresâ€•by G. Vats, A. Kumar, N. Ortega, C. R. Bowen and R. S. Katiyar, Energy Environ. Sci., 2016, 9, 1335. Energy and Environmental Science, 2021, 14, 1612-1614.	30.8	3
13	Free Molecule Studies by Perturbed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi><mml:mtext>â”‚</mml:mtext><mml:mi>Î³</mml:mi></mml:mrow></mml:math> Angular Correlation: A New Path to Accurate Nuclear Quadrupole Moments. Physical Review Letters, 2021, 126, 103001.	7.8	15
14	Maxwell relation, giant (negative) electrocaloric effect, and polarization hysteresis. Applied Physics Letters, 2021, 118, .	3.3	18
15	Photodegradation of Triple-Cation Perovskite Solar Cells: The Role of Spectrum and Bias Conditions. ACS Applied Energy Materials, 2021, 4, 3083-3092.	5.1	26
16	Electronic interactions between graphene and cobaltite thin film La0.7Sr0.3CoO3 and its magnetic consequences. Surfaces and Interfaces, 2021, 23, 100919.	3.0	0
17	Effect of Composition on Polarization Hysteresis and Energy Storage Ability of P(VDF-TrFE-CFE) Relaxor Terpolymers. Polymers, 2021, 13, 1343.	4.5	6
18	Effect of Excess Lead Oxide and Thermal Treatment on Dielectric and Magnetic Properties of Pb(Fe2/3W1/3)O3. , 2021, , .		0

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19	Directly Measured Electrocaloric Effect in Relaxor Polymer Nanocomposites. , 2021, , .		1
20	Yttrium Oxide Freeze-Casts: Target Materials for Radioactive Ion Beams. Materials, 2021, 14, 2864.	2.9	3
21	Frazil Ice in the Antarctic Marginal Ice Zone. Journal of Marine Science and Engineering, 2021, 9, 647.	2.6	3
22	Dependence of the magnetoelectric coupling on elastic and dielectric properties of two-phase multiferroic composites. Journal of Materials Science, 2021, 56, 14978-14988.	3.7	3
23	Li and Ta-modified KNN piezoceramic fibers for vibrational energy harvesters. Journal of the European Ceramic Society, 2021, 41, 7662-7669.	5.7	16
24	Influence of calcination and sintering temperatures on dielectric and magnetic properties of Pb(Fe0.5Nb0.5)O3 ceramics synthesized by the solid state method. Ceramics International, 2021, 47, 23396-23403.	4.8	7
25	Roadmap on organicâ€“inorganic hybrid perovskite semiconductors and devices. APL Materials, 2021, 9, .	5.1	102
26	Synthesis, Structure, and Optical Properties of Large FAPbBr3 Perovskite Single Crystals. Integrated Ferroelectrics, 2021, 220, 46-55.	0.7	0
27	Band Gap of Pb(Fe0.5Nb0.5)O3 Thin Films Prepared by Pulsed Laser Deposition. Materials, 2021, 14, 6841.	2.9	4
28	Leadâ€Free Double Perovskites for Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900306.	5.8	127
29	Effect of Mn and Ba Codoping on a Magnetic Spin Cycloid of Multiferroic Bismuth Ferrite Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 22266-22277.	3.1	24
30	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2000228.	14.9	12
31	Phase transitions, screening and dielectric response of CsPbBr₃. Journal of Materials Chemistry A, 2020, 8, 14015-14022.	10.3	37
32	Laser Fragmentation Synthesis of Colloidal Bismuth Ferrite Particles. Nanomaterials, 2020, 10, 359.	4.1	31
33	Effect of reabsorption and photon recycling on photoluminescence spectra and transients in lead-halide perovskite crystals. JPhys Materials, 2020, 3, 025003.	4.2	20
34	Fine Structure of the Optical Absorption Resonance in Cs₂AgBiBr₆ Double Perovskite Thin Films. ACS Energy Letters, 2020, 5, 559-565.	17.4	45
35	Exchange bias effect in bulk multiferroic BiFe0.5Sc0.5O3. AIP Advances, 2020, 10, 045102.	1.3	6
36	Multiferroic bismuth ferrite: Perturbed angular correlation studies on its ferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:mi>Î² </mml:mi></mml:math> phase transition. Physical Review B, 2020, 102, .	3.2	13

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37	A hyperfine look at titanium dioxide. AIP Advances, 2019, 9, 085208.	1.3	3
38	Bismuth-Antimony mixed double perovskites Cs2AgBi1â^'xSbxBr6 in solar cells. MRS Advances, 2019, 4, 3545-3552.	0.9	18
39	Dual-source evaporation of silver bismuth iodide films for planar junction solar cells. Journal of Materials Chemistry A, 2019, 7, 2095-2105.	10.3	63
40	Piezoelectric Response in Hybrid Micropillar Arrays of Poly(Vinylidene Fluoride) and Reduced Graphene Oxide. Polymers, 2019, 11, 1065.	4.5	28
41	Bitumen rheology and the impact of rejuvenators. Construction and Building Materials, 2019, 222, 414-423.	7.2	26
42	Advanced modeling of ferroic materials. Archive of Applied Mechanics, 2019, 89, 953-953.	2.2	0
43	3D magnetostrictive Preisach model for the analysis of magneto-electric composites. Archive of Applied Mechanics, 2019, 89, 1011-1030.	2.2	0
44	A two-scale homogenization analysis of porous magneto-electric two-phase composites. Archive of Applied Mechanics, 2019, 89, 1123-1140.	2.2	7
45	Tuning the optical, structural and multiferroic properties of Bismuth Ferrite (BiFeO3) Nanoparticles by Doping with Ba. , 2019, , .		3
46	Electrocaloric effect in P(VDF-TrFE)/ barium zirconium titanate composites. , 2019, , .		2
47	Magnetostriction via Magnetoelectricity: Using Magnetoelectric Response to Determine the Magnetostriction Characteristics of Composite Multiferroics. Technical Physics Letters, 2019, 45, 1152-1154.	0.7	4
48	Thermal annealing effects in polycrystalline EuTiO3 and Eu2Ti2O7. AIP Advances, 2019, 9, 125125.	1.3	9
49	Spatially resolved investigation of the defect states in methylammonium lead iodide perovskite bicrystals. Journal of Materials Chemistry C, 2019, 7, 13156-13160.	5.5	2
50	Stress induced magnetic-domain evolution in magnetoelectric composites. Nanotechnology, 2018, 29, 255702.	2.6	4
51	Deposition routes of Cs2AgBiBr6 double perovskites for photovoltaic applications. MRS Advances, 2018, 3, 1819-1823.	0.9	18
52	Evolution of poled state in P(VDF-TrFE)/(Pb,Ba)(Zr,Ti)O3 composites probed by temperature dependent Piezoresponse and Kelvin Probe Force Microscopy. Scientific Reports, 2018, 8, 378.	3.3	10
53	A Versatile Thin-Film Deposition Method for Multidimensional Semiconducting Bismuth Halides. Chemistry of Materials, 2018, 30, 3538-3544.	6.7	52
54	Quasi-adiabatic calorimeter for direct electrocaloric measurements. Review of Scientific Instruments, 2018, 89, 034903.	1.3	17

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55	Strong converse magnetoelectric effect in (Ba,Ca)(Zr,Ti)O3 - NiFe2O4 multiferroics: A relationship between phase-connectivity and interface coupling. Acta Materialia, 2018, 144, 305-313.	7.9	26
56	Semiconductor Effects in Ferroelectrics. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2018, , 97-178.	0.6	2
57	Agglomeration-Free Preparation of Modified Silica Nanoparticles for Emulsion Polymerizationâ€"A Well Scalable Process. Langmuir, 2018, 34, 376-383.	3.5	20
58	Effect of substrate orientation on local magnetoelectric coupling in bi-layered multiferroic thin films. Nanoscale, 2018, 10, 20618-20627.	5.6	9
59	Hysteresis-Free Lead-Free Double-Perovskite Solar Cells by Interface Engineering. ACS Energy Letters, 2018, 3, 1781-1786.	17.4	182
60	Iceâ€Templated Poly(vinyl alcohol): Enhanced Strength and Low Thermal Conductivity. Macromolecular Materials and Engineering, 2018, 303, 1800198.	3.6	6
61	Origins of the Inverse Electrocaloric Effect. Energy Technology, 2018, 6, 1491-1511.	3.8	39
62	Dynamic quadrupole interactions in semiconductors. Journal of Applied Physics, 2018, 123, 165109.	2.5	6
63	Sequential piezoresponse force microscopy and the â€˜small-dataâ€™ problem. Npj Computational Materials, 2018, 4, .	8.7	14
64	State transition and electrocaloric effect of BaZrxTi1â^'xO3: Simulation and experiment. Journal of Applied Physics, 2017, 121, .	2.5	27
65	Energy Transfer Kinetics in Photosynthesis as an Inspiration for Improving Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 19030-19039.	8.0	6
66	Ion implantation in titanium dioxide thin films studied by perturbed angular correlations. Journal of Applied Physics, 2017, 121, .	2.5	14
67	Temperature Effect on the Stability of the Polarized State Created by Local Electric Fields in Strontium Barium Niobate Single Crystals. Scientific Reports, 2017, 7, 125.	3.3	17
68	Implantation of cobalt in SnO2 thin films studied by TDPAC. AIP Advances, 2017, 7, .	1.3	3
69	Cd and In-doping in thin film SnO2. Journal of Applied Physics, 2017, 121, 195303.	2.5	7
70	Dielectric Response: Answer to Many Questions in the Methylammonium Lead Halide Solar Cell Absorbers. Advanced Energy Materials, 2017, 7, 1700600.	19.5	163
71	Comparison of direct electrocaloric characterization methods exemplified by 0.92 Pb(Mg_{1/3}Nb_{2/3})O₃â€“0.08 PbTiO₃ multilayer ceramics. Journal of the American Ceramic Society, 2017, 100, 2885-2892.	3.8	26
72	TDPAC andÎ²-NMR applications in chemistry and biochemistry. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 064003.	3.6	19

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73	In and Cd as defect traps in titanium dioxide. Hyperfine Interactions, 2017, 238, 1.	0.5	15
74	Perturbed angular correlations at ISOLDE: A 40 years young technique. AIP Advances, 2017, 7, .	1.3	14
75	Solar Cells: Dielectric Response: Answer to Many Questions in the Methylammonium Lead Halide Solar Cell Absorbers (Adv. Energy Mater. 19/2017). Advanced Energy Materials, 2017, 7, .	19.5	3
76	Direct measurement of electrocaloric effect in lead-free Ba(SnxTi1-x)O3 ceramics. Applied Physics Letters, 2017, 111, .	3.3	43
77	The solid state physics programme at ISOLDE: recent developments and perspectives. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 104001.	3.6	32
78	Effect of Al3+ modification on cobalt ferrite and its impact on the magnetoelectric effect in BCZTâ€“CFO multiferroic composites. Journal of Materials Science, 2017, 52, 13402-13413.	3.7	9
79	Electrocaloric effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><in at all three ferroelectric transitions: Anisotropy and inverse caloric effects. Physical Review B, 2017, 96, .	3.2	53
80	TDPAC study of Fe-implanted titanium dioxide thin films. AIP Advances, 2017, 7, .	1.3	2
81	A Piezoresponse Force Microscopy Study of CaxBa1â^'xNb2O6 Single Crystals. Materials, 2017, 10, 1032.	2.9	4
82	Multiferroic Clusters: A New Perspective for Relaxorâ€Type Roomâ€Temperature Multiferroics. Advanced Functional Materials, 2016, 26, 2111-2121.	14.9	42
83	Thin films for photovoltaic application. Ferroelectrics, 2016, 496, 187-195.	0.6	0
84	Modified Differential Scanning Calorimeter for Direct Electrocaloric Measurements. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1690-1696.	3.0	20
85	Electrocaloric Effect in Ba(Zr,Ti)O₃â€"(Ba,Ca)TiO₃ Ceramics Measured Directly. Journal of the American Ceramic Society, 2016, 99, 4022-4030.	3.8	59
86	The effect of silicon-substrate orientation on the local piezoelectric characteristics of LiNbO3 films. Journal of Surface Investigation, 2016, 10, 742-747.	0.5	4
87	The Direct and the Converse Magnetoelectric Effect in Multiferroic Cobalt Ferriteâ€"Barium Titanate Ceramic Composites. Journal of the American Ceramic Society, 2016, 99, 3623-3631.	3.8	43
88	Dispersibility of vapor phase oxygen and nitrogen functionalized multi-walled carbon nanotubes in various organic solvents. Scientific Reports, 2016, 6, 26208.	3.3	23
89	A new (Ba, Ca) (Ti, Zr)O3 based multiferroic composite with large magnetoelectric effect. Scientific Reports, 2016, 6, 32164.	3.3	49
90	Multiferroics: Multiferroic Clusters: A New Perspective for Relaxor-Type Room-Temperature Multiferroics (Adv. Funct. Mater. 13/2016). Advanced Functional Materials, 2016, 26, 2110-2110.	14.9	0

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91	Nanoscale mapping of heterogeneity of the polarization reversal in lead-free relaxorâ€“ferroelectric ceramic composites. Nanoscale, 2016, 8, 2168-2176.	5.6	33
92	Preface of the guest-editors. GAMM Mitteilungen, 2015, 38, 6-7.	5.5	0
93	Computational characterization of magneto-electric composites: the role of ferroelectric pre-polarization. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 457-458.	0.2	0
94	Electrochemical strain microscopy time spectroscopy: Model and experiment on LiMn2O4. Journal of Applied Physics, 2015, 118, .	2.5	26
95	Doping of inorganic materials in microreactors â€“ preparation of Zn doped Fe₃O₄ nanoparticles. Lab on A Chip, 2015, 15, 3154-3162.	6.0	18
96	Effect of dopants on the electrocaloric effect of 0.92 Pb(Mg1/3Nb2/3)O3â€“0.08 PbTiO3 ceramics. Journal of the European Ceramic Society, 2015, 35, 2065-2071.	5.7	42
97	Local manifestations of a static magnetoelectric effect in nanostructured BaTiO₃â€“BaFe₁₂O₉composite multiferroics. Nanoscale, 2015, 7, 4489-4496.	5.6	32
98	Dense nanopowder composites for thermal insulation. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 439-442.	1.8	8
99	Mechanical properties of commercial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Li</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml cathode under different States of Charge. Acta Materialia, 2015, 89, 153-162.	7.9	44
100	Magnetodielectric effect in relaxor/ferrimagnetic composites. Journal of Alloys and Compounds, 2015, 640, 462-467.	5.5	8
101	Strong electrocaloric effect in lead-free 0.65Ba(Zr0.2Ti0.8)O3-0.35(Ba0.7Ca0.3)TiO3 ceramics obtained by direct measurements. Applied Physics Letters, 2015, 106, .	3.3	131
102	Magnetoelectric coupling on multiferroic cobalt ferriteâ€“barium titanate ceramic composites with different connectivity schemes. Acta Materialia, 2015, 90, 1-9.	7.9	97
103	Measuring the magnetoelectric effect across scales. GAMM Mitteilungen, 2015, 38, 25-74.	5.5	26
104	Computation of nonâ€linear magnetoâ€electric product properties of 0â€“3 composites. GAMM Mitteilungen, 2015, 38, 8-24.	5.5	13
105	Direct electrocaloric measurements using a differential scanning calorimeter. , 2015, , .		1
106	Macroscopic and Nanoscopic Polarization Relaxation Kinetics in Leadâ€Free Relaxors <scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2}<scp><scp>TiO</scp></scp>₃â€“ Journal of the American Ceramic Society, 2014, 97, 3904-3912.	3.8	20
107	Temperature dependence of the local piezoresponse in (K,Na)NbO3-based ceramics with large electromechanical strain. Journal of Applied Physics, 2014, 116, .	2.5	10
108	Nanocrystalline Barium Strontium Titanate Ceramics Synthesized via the â€œOrganosolâ€•Route and Spark Plasma Sintering. Journal of the American Ceramic Society, 2014, 97, 2139-2146.	3.8	19

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109	Giant mechanically-mediated electrocaloric effect in ultrathin ferroelectric capacitors at room temperature. Applied Physics Letters, 2014, 104, .	3.3	36
110	Ergodicity reflected in macroscopic and microscopic field-dependent behavior of BNT-based relaxors. Journal of Applied Physics, 2014, 115, .	2.5	71
111	Structure and dielectric properties of (1â^'x)Ag0.9Li0.1NbO3â€“(x)Bi0.5K0.5TiO3 ferroelectric ceramics. Ceramics International, 2014, 40, 9961-9969.	4.8	2
112	Mechanical property measurements of heterogeneous materials by selective nanoindentation: Application to LiMn2O4 cathode. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 593, 92-102.	5.6	56
113	Dielectric Properties of 0.9Ag0.9Li0.1NbO3â€“ 0.1Bi0.5K0.5TiO3Ceramics. Ferroelectrics, 2014, 463, 99-104.	0.6	0
114	MÃ¶ssbauer Study of Temperature-Dependent Cycloidal Ordering in BiFeO₃ Nanoparticles. Nano Letters, 2014, 14, 6061-6065.	9.1	43
115	Product properties of a two-phase magneto-electric composite: Synthesis and numerical modeling. Computational Mechanics, 2014, 54, 71-83.	4.0	42
116	Effect of particle size on ferroelectric and magnetic properties of BiFeO₃nanopowders. Nanotechnology, 2013, 24, 355701.	2.6	72
117	Local ferroelectric properties in polyvinylidene fluoride/barium lead zirconate titanate nanocomposites: Interface effect. Journal of Applied Physics, 2013, 114, .	2.5	17
118	Magnetoelectric Effect in (0â€“3) CoFe₂O₄-BaTiO₃(20/80) Composite Ceramics Prepared by the Organosol Route. Ferroelectrics, 2013, 448, 77-85.	0.6	36
119	Temperatureâ€Insensitive (K,Na)NbO₃â€Based Leadâ€Free Piezoactuator Ceramics. Advanced Functional Materials, 2013, 23, 4079-4086.	14.9	494
120	Preparation of SiO₂â€Encapsulated BaTiO₃ Nanoparticles with Tunable Shell Thickness by Reverse Microemulsion. Particle and Particle Systems Characterization, 2013, 30, 832-836.	2.3	4
121	The Microstructure and Local Piezoelectric Response in Polymer Nanocomposites with Different Ferroelectric Crystalline Additions. Materials Research Society Symposia Proceedings, 2013, 1556, .	0.1	3
122	Numerical analysis of two-phase magneto-electric composites. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 261-262.	0.2	0
123	LOCAL POLARIZATION IN POLYMER NANOCOMPOSITES WITH DIFFERENT CRYSTALLINE FERROELECTRIC INCLUSIONS. , 2013, , .		0
124	Synthesis and Characterization of BaTiO3 Nanopowders and BaTiO3/CoFe2O4 Nanocomposites. Materials Research Society Symposia Proceedings, 2012, 1397, 84.	0.1	0
125	Dyes in Vertically Aligned Carbon Nanotube Arrays for Solar Cell Applications. Materials Research Society Symposia Proceedings, 2012, 1390, 71.	0.1	1
126	Synthesis and Magnetic Properties of Cobalt Ferrite Nanoparticles. Materials Research Society Symposia Proceedings, 2012, 1398, 1.	0.1	6

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127	From mesoscopic to global polar order in the uniaxial relaxor ferroelectric Sr0.8Ba0.2Nb2O6. Applied Physics Letters, 2012, 100, 052903.	3.3	20
128	Magnetoelectric properties of 0.2CoFe<inf>2</inf>O<inf>4</inf>-0.8BaTiO<inf>3</inf> composite prepared by organic method. , 2012, , .		3
129	Cobalt Ferrite/Barium Titanate Core/Shell Nanoparticles. Ferroelectrics, 2012, 438, 115-122.	0.6	31
130	Reduced exciton binding energy in organic semiconductors: Tailoring the Coulomb interaction. Physica Status Solidi - Rapid Research Letters, 2012, 6, 68-70.	2.4	20
131	Low-temperature synthesis of crystalline BaTiO3 nanoparticles by one-step â€œorganosolâ€•precipitation. Journal of Materials Chemistry, 2012, 22, 17573.	6.7	31
132	Leadâ€Free Relaxor Ferroelectrics. Journal of the American Ceramic Society, 2012, 95, 1-26.	3.8	792
133	Dielectric Properties and Conductivity of Iron Oxide-Barium Titanate Composites. Ferroelectrics, 2011, 418, 94-99.	0.6	2
134	Mechanical Properties of Ferro-Piezoceramics. Springer Series in Materials Science, 2011, , 469-542.	0.6	3
135	Converse magnetoelectric effect in CoFe₂O₄â€“BaTiO₃composites with a coreâ€“shell structure. Smart Materials and Structures, 2011, 20, 075006.	3.5	74
136	Investigation of Dielectric and Noise Properties of the Multiferoic Composite BaTiO3with CoFe2O4. Ferroelectrics, 2011, 417, 25-32.	0.6	7
137	Large coercivity and polarization of sol-gel derived BaTiO3 nanowires. Journal of Applied Physics, 2011, 110, 064112.	2.5	7
138	Relaxor Behaviour and Soft Mode in 0.85Ag_{0.9}Li_{0.1}NbO₃â€“ 0.15Bi_{0.5}K_{0.5}TiO₃Ceramics. Ferroelectrics, 2011, 416, 72-77.	0.6	0
139	Refatigue of Ferroelectric Lead Zirconate Titanate. Journal of the American Ceramic Society, 2010, 93, 2551-2554.	3.8	3
140	Continuum analysis of the nucleus growth of reverse domains in large ferroelectric crystals. Journal of Applied Physics, 2009, 105, 084115.	2.5	4
141	Thermodynamic consistent modelling of defects and microstructures in ferroelectrics. GAMM Mitteilungen, 2008, 31, 133-150.	5.5	3
142	Migration of Charged Defects in Local Depolarization Fields as a Mechanism of Aging in Ferroelectrics. Ferroelectrics, 2008, 370, 196-202.	0.6	5
143	Mechanisms of aging in ferroelectrics: The orientation of dipoles versus the charge drift. , 2008, , .		0
144	Drift of charged defects in local fields as a mechanism of degradation in ferroelectrics. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0

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146	Interaction of domain walls with defects in ferroelectric materials. Mechanics of Materials, 2007, 39, 161-174.	3.2	36
147	Fatigue of Lead Zirconate Titanate Ceramics. I: Unipolar and DC Loading. Journal of the American Ceramic Society, 2007, 90, 1081-1087.	3.8	98
148	Fatigue of Lead Zirconate Titanate Ceramics II: Sesquipolar Loading. Journal of the American Ceramic Society, 2007, 90, 1088-1093.	3.8	32
149	PMN?PT Ceramics Prepared By Spark Plasma Sintering. Journal of the American Ceramic Society, 2007, 90, 1101-1106.	3.8	36
150	Electric-Field-Induced Crack Initiation From a Notch in a Ferroelectric Ceramic. Journal of the American Ceramic Society, 2007, 90, 2849-2854.	3.8	13
151	Bipolar Fatigue Caused by Field Screening in Pb(Zr,Ti)O3Ceramics. Journal of the American Ceramic Society, 2007, 90, 070922001254005-???.	3.8	36
152	Drift of charged defects in local fields as aging mechanism in ferroelectrics. Physical Review B, 2007, 75, .	3.2	68
153	Driving forces on domain walls in ferroelectric materials and interaction with defects. Computational Materials Science, 2006, 35, 42-52.	3.0	22
154	Response of the ferroelectric domain structure of morphotropic PZT to the application of an electric field â€“in-situsynchrotron X-ray diffraction. Acta Crystallographica Section A: Foundations and Advances, 2006, 62, s84-s84.	0.3	0
155	Aging in Ferroelectrics. Journal of the American Ceramic Society, 2006, 89, 224-229.	3.8	93
156	Effect of geometry and electrical boundary conditions on R-curves for lead zirconate titanate ceramics. Engineering Fracture Mechanics, 2006, 73, 309-317.	4.3	32
157	Fatigue in ferroelectric ceramics due to cluster growth. Solid State Ionics, 2006, 177, 3161-3170.	2.7	13
158	Aging in Ferroelectrics, a Drift Approach. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
159	Thickness profiles through fatigued bulk ceramic lead zirconate titanate. Journal of Applied Physics, 2006, 100, 114117.	2.5	20
160	Crack Initiation and Crack Propagation under Cyclic Electric Loading in PZT. , 2006, , 40-48.		0
161	Nonlinearity and fatigue in ferroelectric lead zirconate titanate. Journal of Applied Physics, 2006, 100, 054109.	2.5	13
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