Nina Balke

List of Publications by Year
in descending order

151 papers	12,225 citations	30070 54 h-index	25787 108 g-index
154 all docs	154 docs citations	154 times ranked	12221 citing authors

#	Article	IF	Citations
1	In situ and operando forceâ€based atomic force microscopy for probing local functionality in energy storage materials. Electrochemical Science Advances, 2022, 2, e2100038.	2.8	12
2	Oxygen Vacancy Injection as a Pathway to Enhancing Electromechanical Response in Ferroelectrics. Advanced Materials, 2022, 34, e2106426.	21.0	20
3	Unique Features of Polarization in Ferroelectric Ionic Conductors. Advanced Electronic Materials, 2022, 8, 2100810.	5.1	9
4	Ionic Control over Ferroelectricity in 2D Layered van der Waals Capacitors. ACS Applied Materials & Interfaces, 2022, 14, 3018-3026.	8.0	16
5	Ionically Active MXene Nanopore Actuators. Small, 2022, 18, e2105857.	10.0	9
6	Nanoscale Control of Polar Surface Phases in Layered van der Waals CuInP₂S₆. ACS Nano, 2022, 16, 2452-2460.	14.6	12
7	NGenE 2021: Electrochemistry Is Everywhere. ACS Energy Letters, 2022, 7, 368-374.	17.4	6
8	Progress on Emerging Ferroelectric Materials for Energy Harvesting, Storage and Conversion. Advanced Energy Materials, 2022, 12, .	19.5	45
9	Progress on Emerging Ferroelectric Materials for Energy Harvesting, Storage and Conversion (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlo	19.5	3
10	Lowering of <i>T</i>c in Van Der Waals Layered Materials Under In-Plane Strain. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 253-258.	3.0	3
11	Selective patterning of out-of-plane piezoelectricity in MoTe2 via focused ion beam. Nano Energy, 2021, 79, 105451.	16.0	17
12	Probing local electrochemistry via mechanical cyclic voltammetry curves. Nano Energy, 2021, 81, 105592.	16.0	23
13	Signal Origin of Electrochemical Strain Microscopy and Link to Local Chemical Distribution in Solid State Electrolytes. Small Methods, 2021, 5, 2001279.	8.6	10
14	Strain-driven autonomous control of cation distribution for artificial ferroelectrics. Science Advances, 2021, 7, .	10.3	5
15	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. ACS Nano, 2021, 15, 15274-15284.	14.6	56
16	Effects of interlayer confinement and hydration on capacitive charge storage in birnessite. Nature Materials, 2021, 20, 1689-1694.	27.5	119
17	Understanding electrochemical cation insertion into prussian blue from electrode deformation and mass changes. Chemical Communications, 2021, 57, 6744-6747.	4.1	9
18	Nanoscale Mapping of Extrinsic Interfaces in Hybrid Solid Electrolytes. Joule, 2020, 4, 207-221.	24.0	85

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19	Tunable quadruple-well ferroelectric van der Waals crystals. Nature Materials, 2020, 19, 43-48.	27.5	140
20	Deformation during Electrosorption and Insertion-Type Charge Storage: Origins, Characterization, and Design of Materials for High Power. ACS Energy Letters, 2020, 5, 3548-3559.	17.4	8
21	Piezoelectric domain walls in van der Waals antiferroelectric CuInP2Se6. Nature Communications, 2020, 11, 3623.	12.8	47
22	Dynamic Manipulation in Piezoresponse Force Microscopy: Creating Nonequilibrium Phases with Large Electromechanical Response. ACS Nano, 2020, 14, 10569-10577.	14.6	14
23	Fast Scanning Probe Microscopy via Machine Learning: Nonâ€Rectangular Scans with Compressed Sensing and Gaussian Process Optimization. Small, 2020, 16, e2002878.	10.0	37
24	Local Strain and Polarization Mapping in Ferrielectric Materials. ACS Applied Materials & Interfaces, 2020, 12, 38546-38553.	8.0	14
25	The Concept of Negative Capacitance in Ionically Conductive Van der Waals Ferroelectrics. Advanced Energy Materials, 2020, 10, 2001726.	19.5	30
26	Piezoresponse amplitude and phase quantified for electromechanical characterization. Journal of Applied Physics, 2020, 128, .	2.5	31
27	Quantitative Aberration-Corrected STEM for Studies of Oxide Superlattices and Topological Defects in Layered Ferroelectrics. Microscopy and Microanalysis, 2020, 26, 1194-1195.	0.4	0
28	Alignment of Polarization against an Electric Field in van der Waals Ferroelectrics. Physical Review Applied, 2020, 13, .	3.8	34
29	Tracking ion intercalation into layered Ti₃C₂ MXene films across length scales. Energy and Environmental Science, 2020, 13, 2549-2558.	30.8	100
30	Domains and Topological Defects in Layered Ferrielectric Materials: Implications for Nanoelectronics. ACS Applied Nano Materials, 2020, 3, 8161-8166.	5.0	4
31	Machine learning-based multidomain processing for texture-based image segmentation and analysis. Applied Physics Letters, 2020, 116, .	3.3	19
32	Structure of the Electrical Double Layer at the Interface between an Ionic Liquid and Tungsten Oxide in Ion-Gated Transistors. Journal of Physical Chemistry Letters, 2020, 11, 3257-3262.	4.6	16
33	To switch or not to switch â€" a machine learning approach for ferroelectricity. Nanoscale Advances, 2020, 2, 2063-2072.	4.6	12
34	Toward Electrochemical Studies on the Nanometer and Atomic Scales: Progress, Challenges, and Opportunities. ACS Nano, 2019, 13, 9735-9780.	14.6	32
35	Room-Temperature Electrocaloric Effect in Layered Ferroelectric CuInP₂S₆ for Solid-State Refrigeration. ACS Nano, 2019, 13, 8760-8765.	14.6	69
36	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	5.1	8

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37	Designing Morphotropic Phase Composition in BiFeO₃. Nano Letters, 2019, 19, 1033-1038.	9.1	24
38	Piezoresponse Force Microscopy (PFM). , 2019, , 291-316.		4
39	Hysteretic order-disorder transitions of ionic liquid double layer structure on graphite. Nano Energy, 2019, 60, 886-893.	16.0	19
40	Ionic Gating of Ultrathin and Leaky Ferroelectrics. Advanced Materials Interfaces, 2019, 6, 1801723.	3.7	8
41	Giant negative electrostriction and dielectric tunability in a van der Waals layered ferroelectric. Physical Review Materials, 2019, 3, .	2.4	47
42	Homogenization of Al CoCrFeNi high-entropy alloys with improved corrosion resistance. Corrosion Science, 2018, 133, 120-131.	6.6	283
43	In-situ electrochemical-AFM study of localized corrosion of Al CoCrFeNi high-entropy alloys in chloride solution. Applied Surface Science, 2018, 439, 533-544.	6.1	147
44	Understanding Electric Double-Layer Gating Based on Ionic Liquids: from Nanoscale to Macroscale. ACS Applied Materials & Interfaces, 2018, 10, 43211-43218.	8.0	21
45	In Situ Electrochemical Dilatometry of Phosphate Anion Electrosorption. Environmental Science and Technology Letters, 2018, 5, 745-749.	8.7	19
46	Ion movement in thin Nafion films under an applied electric field. Applied Physics Letters, 2018, 113, 113105.	3.3	2
47	Machine Detection of Enhanced Electromechanical Energy Conversion in PbZr_{0.2}Ti_{0.8}O₃ Thin Films. Advanced Materials, 2018, 30, e1800701.	21.0	23
48	<i>Operando</i> Atomic Force Microscopy Reveals Mechanics of Structural Water Driven Battery-to-Pseudocapacitor Transition. ACS Nano, 2018, 12, 6032-6039.	14.6	50
49	Locally Controlled Cu-Ion Transport in Layered Ferroelectric CuInP₂S₆. ACS Applied Materials & Interfaces, 2018, 10, 27188-27194.	8.0	68
50	Nanoscale Control of Oxygen Defects and Metalâ€“Insulator Transition in Epitaxial Vanadium Dioxides. ACS Nano, 2018, 12, 7159-7166.	14.6	41
51	Giant thermally-enhanced electrostriction and polar surface phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi	2.4	12
52	Synergetic effects of K⁺and Mg²⁺ion intercalation on the electrochemical and actuation properties of the two-dimensional Ti₃C₂MXene. Faraday Discussions, 2017, 199, 393-403.	3.2	55
53	Mixed electrochemicalâ€“ferroelectric states in nanoscale ferroelectrics. Nature Physics, 2017, 13, 812-818.	16.7	98
54	Ferroelectric or non-ferroelectric: Why so many materials exhibit â€œferroelectricityâ€• on the nanoscale. Applied Physics Reviews, 2017, 4, .	11.3	240

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55	Impact of gate geometry on ionic liquid gated ionotronic systems. APL Materials, 2017, 5, .	5.1	11
56	Effect of defects on reaction of NiO surface with Pb-contained solution. Scientific Reports, 2017, 7, 44805.	3.3	9
57	Quantification of in-contact probe-sample electrostatic forces with dynamic atomic force microscopy. Nanotechnology, 2017, 28, 065704.	2.6	43
58	Role of Electrical Double Layer Structure in Ionic Liquid Gated Devices. ACS Applied Materials & Interfaces, 2017, 9, 40949-40958.	8.0	24
59	Understanding the nanoscale redox-behavior of iron-anodes for rechargeable iron-air batteries. Nano Energy, 2017, 41, 706-716.	16.0	39
60	Manipulating Ferroelectrics through Changes in Surface and Interface Properties. ACS Applied Materials & Interfaces, 2017, 9, 39736-39746.	8.0	14
61	Electroactuators: from understanding to micro-robotics and energy conversion: general discussion. Faraday Discussions, 2017, 199, 525-545.	3.2	2
62	Threeâ€State Ferroelastic Switching and Large Electromechanical Responses in PbTiO₃ Thin Films. Advanced Materials, 2017, 29, 1702069.	21.0	74
63	Ferroelectric Selfâ€Poling, Switching, and Monoclinic Domain Configuration in BiFeO₃ Thin Films. Advanced Functional Materials, 2016, 26, 5166-5173.	14.9	25
64	Quantification of surface displacements and electromechanical phenomena via dynamic atomic force microscopy. Nanotechnology, 2016, 27, 425707.	2.6	92
65	Size-effect in layered ferrielectric CuInP2S6. Applied Physics Letters, 2016, 109, .	3.3	66
66	Solid-state electrochemistry on the nanometer and atomic scales: the scanning probe microscopy approach. Nanoscale, 2016, 8, 13838-13858.	5.6	27
67	Exploring Polarization Rotation Instabilities in Superâ€Tetragonal BiFeO₃ Epitaxial Thin Films and Their Technological Implications. Advanced Electronic Materials, 2016, 2, 1600307.	5.1	9
68	Enhancing interfacial magnetization with a ferroelectric. Physical Review B, 2016, 94, .	3.2	34
69	Fundamental aspects of electric double layer force-distance measurements at liquid-solid interfaces using atomic force microscopy. Scientific Reports, 2016, 6, 32389.	3.3	57
70	Full data acquisition in Kelvin Probe Force Microscopy: Mapping dynamic electric phenomena in real space. Scientific Reports, 2016, 6, 30557.	3.3	47
71	Nanoscale Elastic Changes in 2D Ti₃C₂T_{<i>x</i>} (MXene) Pseudocapacitive Electrodes. Advanced Energy Materials, 2016, 6, 1502290.	19.5	117
72	Elucidating the Phase Transformation of Li₄Ti₅O₁₂ Lithiation at the Nanoscale. ACS Nano, 2016, 10, 4312-4321.	14.6	144

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73	Multifrequency spectrum analysis using fully digital G Mode-Kelvin probe force microscopy. Nanotechnology, 2016, 27, 105706.	2.6	36
74	Highly mobile ferroelastic domain walls in compositionally graded ferroelectric thin films. Nature Materials, 2016, 15, 549-556.	27.5	98
75	Electroelastic fields in artificially created vortex cores in epitaxial BiFeO3 thin films. Applied Physics Letters, 2015, 107, .	3.3	25
76	Current and surface charge modified hysteresis loops in ferroelectric thin films. Journal of Applied Physics, 2015, 118, .	2.5	60
77	In situ Electrochemical TEM for Quantitative Nanoscale Imaging Dynamics of Solid Electrolyte Interphase and Lithium Electrodeposition. Microscopy and Microanalysis, 2015, 21, 2437-2438.	0.4	2
78	Preface to Special Topic: Piezoresponse Force Microscopy. Journal of Applied Physics, 2015, 118, .	2.5	1
79	Quantitative Nanometerâ€Scale Mapping of Dielectric Tunability. Advanced Materials Interfaces, 2015, 2, 1500088.	3.7	7
80	Differentiating Ferroelectric and Nonferroelectric Electromechanical Effects with Scanning Probe Microscopy. ACS Nano, 2015, 9, 6484-6492.	14.6	231
81	Probing Local Bias-Induced Transitions Using Photothermal Excitation Contact Resonance Atomic Force Microscopy and Voltage Spectroscopy. ACS Nano, 2015, 9, 1848-1857.	14.6	37
82	Nanoscale Imaging of Fundamental Li Battery Chemistry: Solid-Electrolyte Interphase Formation and Preferential Growth of Lithium Metal Nanoclusters. Nano Letters, 2015, 15, 2011-2018.	9.1	185
83	Topological defects in electric double layers of ionic liquids at carbon interfaces. Nano Energy, 2015, 15, 737-745.	16.0	35
84	Controlling the actuation properties of MXene paper electrodes upon cation intercalation. Nano Energy, 2015, 17, 27-35.	16.0	166
85	Band excitation Kelvin probe force microscopy utilizing photothermal excitation. Applied Physics Letters, 2015, 106, .	3.3	18
86	Giant elastic tunability in strained BiFeO3 near an electrically induced phase transition. Nature Communications, 2015, 6, 8985.	12.8	43
87	Effect of Doping on Surface Reactivity and Conduction Mechanism in Samarium-Doped Ceria Thin Films. ACS Nano, 2014, 8, 12494-12501.	14.6	34
88	Electrostrictive and electrostatic responses in contact mode voltage modulated scanning probe microscopies. Applied Physics Letters, 2014, 104, 232901.	3.3	44
89	Focused-ion-beam induced damage in thin films of complex oxide BiFeO3. APL Materials, 2014, 2, .	5.1	15
90	Tuning Susceptibility via Misfit Strain in Relaxed Morphotropic Phase Boundary PbZr_{1â€x}Ti_xO₃ Epitaxial Thin Films. Advanced Materials Interfaces, 2014, 1, 1400098.	3.7	16

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91	Probing charge screening dynamics and electrochemical processes at the solidâ€“liquid interface with electrochemical force microscopy. Nature Communications, 2014, 5, 3871.	12.8	97
92	Exploring Local Electrostatic Effects with Scanning Probe Microscopy: Implications for Piezoresponse Force Microscopy and Triboelectricity. ACS Nano, 2014, 8, 10229-10236.	14.6	123
93	Strainâ€Based In Situ Study of Anion and Cation Insertion into Porous Carbon Electrodes with Different Pore Sizes. Advanced Energy Materials, 2014, 4, 1300683.	19.5	39
94	Toward Quantitative Electrochemical Measurements on the Nanoscale by Scanning Probe Microscopy: Environmental and Current Spreading Effects. ACS Nano, 2013, 7, 8175-8182.	14.6	19
95	Domain Wall Conduction and Polarizationâ€Mediated Transport in Ferroelectrics. Advanced Functional Materials, 2013, 23, 2592-2616.	14.9	113
96	Mechanical Control of Electroresistive Switching. Nano Letters, 2013, 13, 4068-4074.	9.1	55
97	Phase Transitions, Phase Coexistence, and Piezoelectric Switching Behavior in Highly Strained BiFeO₃ Films. Advanced Materials, 2013, 25, 5561-5567.	21.0	84
98	In situ tracking of the nanoscale expansion of porous carbon electrodes. Energy and Environmental Science, 2013, 6, 225-231.	30.8	60
99	Bias-Dependent Molecular-Level Structure of Electrical Double Layer in Ionic Liquid on Graphite. Nano Letters, 2013, 13, 5954-5960.	9.1	142
100	Room-Temperature Multiferroic Hexagonal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LuFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Films. Physical Review Letters, 2013, 110, 237601.	7.8	195
101	Unit cell orientation of tetragonal-like BiFeO₃ thin films grown on highly miscut LaAlO₃ substrates. Applied Physics Letters, 2013, 102, 221910.	3.3	10
102	Ultrathin Limit of Exchange Bias Coupling at Oxide Multiferroic/Ferromagnetic Interfaces. Advanced Materials, 2013, 25, 4739-4745.	21.0	59
103	In Situ Formation of Micron-Scale Li-Metal Anodes with High Cyclability. ECS Electrochemistry Letters, 2013, 3, A4-A7.	1.9	4
104	ELECTROCHEMICAL STRAIN MICROSCOPY OF LI-ION AND LI-AIR BATTERY MATERIALS. World Scientific Series in Nanoscience and Nanotechnology, 2013, , 393-454.	0.1	3
105	Scanning probes for new energy materials: Probing local structure and function. MRS Bulletin, 2012, 37, 633-637.	3.5	20
106	Three-dimensional vector electrochemical strain microscopy. Journal of Applied Physics, 2012, 112, .	2.5	25
107	Electrochemical Strain Microscopy: Probing Electrochemical Transformations in Nanoscale Volumes. Microscopy Today, 2012, 20, 10-15.	0.3	11
108	Local Detection of Activation Energy for Ionic Transport in Lithium Cobalt Oxide. Nano Letters, 2012, 12, 3399-3403.	9.1	58

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109	Probing Local Electromechanical Effects in Highly Conductive Electrolytes. ACS Nano, 2012, 6, 10139-10146.	14.6	14
110	High-Frequency Electromechanical Imaging of Ferroelectrics in a Liquid Environment. ACS Nano, 2012, 6, 5559-5565.	14.6	18
111	Enhanced electric conductivity at ferroelectric vortex cores in BiFeO3. Nature Physics, 2012, 8, 81-88.	16.7	324
112	Ultrathin limit and dead-layer effects in local polarization switching of BiFeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	3.2	71
113	Nanoscale Ferroelectricity in Crystalline Î³â€Glycine. Advanced Functional Materials, 2012, 22, 2996-3003.	14.9	119
114	Nanoscale Insight Into Leadâ€Free BNTâ€BTâ€<i>x</i>KNN. Advanced Functional Materials, 2012, 22, 4208-4215.	14.9	225
115	Structural Consequences of Ferroelectric Nanolithography. Nano Letters, 2011, 11, 3080-3084.	9.1	22
116	Direct Mapping of Ion Diffusion Times on LiCoO2 Surfaces with Nanometer Resolution. Journal of the Electrochemical Society, 2011, 158, A982.	2.9	41
117	Exploring Topological Defects in Epitaxial BiFeO₃ Thin Films. ACS Nano, 2011, 5, 879-887.	14.6	118
118	Virtual Electrochemical Strain Microscopy of Polycrystalline LiCoO2 Films. Journal of the Electrochemical Society, 2011, 158, A1083.	2.9	41
119	Direct Mapping of Ionic Transport in a Si Anode on the Nanoscale: Time Domain Electrochemical Strain Spectroscopy Study. ACS Nano, 2011, 5, 9682-9695.	14.6	61
120	The Role of Electrochemical Phenomena in Scanning Probe Microscopy of Ferroelectric Thin Films. ACS Nano, 2011, 5, 5683-5691.	14.6	109
121	Li-ion dynamics and reactivity on the nanoscale. Materials Today, 2011, 14, 548-558.	14.2	73
122	Watching domains grow: <i>In-situ</i> studies of polarization switching by combined scanning probe and scanning transmission electron microscopy. Journal of Applied Physics, 2011, 110, .	2.5	57
123	Direct Observation of Capacitor Switching Using Planar Electrodes. Advanced Functional Materials, 2010, 20, 3466-3475.	14.9	81
124	Defectâ€Mediated Polarization Switching in Ferroelectrics and Related Materials: From Mesoscopic Mechanisms to Atomistic Control. Advanced Materials, 2010, 22, 314-322.	21.0	62
125	Local Electrochemical Functionality in Energy Storage Materials and Devices by Scanning Probe Microscopies: Status and Perspectives. Advanced Materials, 2010, 22, E193-209.	21.0	78
126	Nanoscale mapping of ion diffusion in a lithium-ion battery cathode. Nature Nanotechnology, 2010, 5, 749-754.	31.5	513

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127	Local probing of ionic diffusion by electrochemical strain microscopy: Spatial resolution and signal formation mechanisms. Journal of Applied Physics, 2010, 108, .	2.5	138
128	Real Space Mapping of Li-Ion Transport in Amorphous Si Anodes with Nanometer Resolution. Nano Letters, 2010, 10, 3420-3425.	9.1	232
129	Decoupling Electrochemical Reaction and Diffusion Processes in Ionically-Conductive Solids on the Nanometer Scale. ACS Nano, 2010, 4, 7349-7357.	14.6	96
130	Ferroelectricity in Strain-Free<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Thin Films. Physical Review Letters, 2010, 104, 197601.	7.8	233
131	Degradation of lead-zirconate-titanate ceramics under different dc loads. Journal of Applied Physics, 2009, 105, .	2.5	25
132	Defect-induced asymmetry of local hysteresis loops on BiFeO3 surfaces. Journal of Materials Science, 2009, 44, 5095-5101.	3.7	38
133	Conduction at domain walls in oxide multiferroics. Nature Materials, 2009, 8, 229-234.	27.5	1,212
134	Electric modulation of conduction in multiferroic Ca-doped BiFeO3 films. Nature Materials, 2009, 8, 485-493.	27.5	481
135	Deterministic control of ferroelastic switching in multiferroic materials. Nature Nanotechnology, 2009, 4, 868-875.	31.5	331
136	Electromechanical Imaging and Spectroscopy of Ferroelectric and Piezoelectric Materials: State of the Art and Prospects for the Future. Journal of the American Ceramic Society, 2009, 92, 1629-1647.	3.8	287
137	Interfacial Structure in Multiferroic BiFeO3 Thin Films. Microscopy and Microanalysis, 2009, 15, 1028-1029.	0.4	0
138	Electric-field control of local ferromagnetism using a magnetoelectric multiferroic. Nature Materials, 2008, 7, 478-482.	27.5	1,219
139	Multiferroics and magnetoelectrics: thin films and nanostructures. Journal of Physics Condensed Matter, 2008, 20, 434220.	1.8	292
140	Migration of Charged Defects in Local Depolarization Fields as a Mechanism of Aging in Ferroelectrics. Ferroelectrics, 2008, 370, 196-202.	0.6	5
141	Current-voltage characteristics for lead zirconate titanate bulk ceramics. Journal of Applied Physics, 2008, 104, 054120.	2.5	12
142	Unipolar and sesquipolar electrical fatigue in PZT. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
143	Effect of Feâ€doping and electrical load on the defect structure of Pb(Zr_xTi_{1â€“x})O₃ ferroelectric ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3839-3842.	0.8	5
144	Fatigue of Lead Zirconate Titanate Ceramics. I: Unipolar and DC Loading. Journal of the American Ceramic Society, 2007, 90, 1081-1087.	3.8	98

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145	Fatigue of Lead Zirconate Titanate Ceramics II: Sesquipolar Loading. Journal of the American Ceramic Society, 2007, 90, 1088-1093.	3.8	32
146	Bipolar Fatigue Caused by Field Screening in Pb(Zr,Ti)O3Ceramics. Journal of the American Ceramic Society, 2007, 90, 070922001254005-???.	3.8	36
147	Aging in Ferroelectrics. Journal of the American Ceramic Society, 2006, 89, 224-229.	3.8	93
148	Aging in Ferroelectrics, a Drift Approach. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
149	Thickness profiles through fatigued bulk ceramic lead zirconate titanate. Journal of Applied Physics, 2006, 100, 114117.	2.5	20
150	Near electrode fatigue in lead zirconate titanate ceramics. European Physical Journal Special Topics, 2005, 128, 97-103.	0.2	15
151	Evolution of a stable polarization state in lead zirconate titanate ceramics by repeated partial switching. Applied Physics Letters, 2005, 87, 212901.	3.3	22