

Q M Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

15,955
citations

64
h-index

123
g-index

213
ext. papers

17,432
ext. citations

5
avg, IF

6.33
L-index

#	Paper	IF	Citations
208	Relaxor ferroelectric polymer exhibits ultrahigh electromechanical coupling at low electric field.. <i>Science</i> , 2022 , 375, 1418-1422	33.3	12
207	High dielectric response in dilute nanocomposites via hierarchical tailored polymer nanostructures. <i>Applied Physics Letters</i> , 2022 , 120, 162902	3.4	3
206	Maxwell relation, giant (negative) electrocaloric effect, and polarization hysteresis. <i>Applied Physics Letters</i> , 2021 , 118, 122904	3.4	10
205	Improving electric thermal stability of polypropylene by chemically linking small amount of hindered phenol groups. <i>MRS Advances</i> , 2021 , 6, 1-6	0.7	1
204	Morphology-induced dielectric enhancement in polymer nanocomposites. <i>Nanoscale</i> , 2021 , 13, 10933-10942	7.7	14
203	High-entropy polymer produces a giant electrocaloric effect at low fields.. <i>Nature</i> , 2021 , 600, 664-669	50.4	17
202	Room Temperature Magnetoelectric Sensor Arrays For Application of Detecting Iron Profiles in Organs. <i>Sensors and Actuators A: Physical</i> , 2020 , 311, 112064-112064	3.9	2
201	A highly scalable dielectric metamaterial with superior capacitor performance over a broad temperature. <i>Science Advances</i> , 2020 , 6, eaax6622	14.3	93
200	Dielectric enhancement over a broad temperature by nanofiller at ultra-low volume content in poly(ether methyl ether urea). <i>Applied Physics Letters</i> , 2020 , 117, 072905	3.4	7
199	A Novel Magnetoelectric Biomagnetic Susceptometer on Iron Level Detection with Mice Tissue. <i>Medical Devices & Sensors</i> , 2018 , 1, e10004	1.6	1
198	Enhancing the electrocaloric effect in a relaxor polymer by including minor normal ferroelectric phase. <i>Applied Physics Letters</i> , 2018 , 113, 153903	3.4	17
197	Towards electrocaloric heat pump: A relaxor ferroelectric polymer exhibiting large electrocaloric response at low electric field. <i>Applied Physics Letters</i> , 2018 , 113, 113902	3.4	22
196	Reducing conduction losses in high energy density polymer using nanocomposites. <i>Applied Physics Letters</i> , 2017 , 110, 122905	3.4	27
195	An electrocaloric refrigerator with direct solid to solid regeneration. <i>Applied Physics Letters</i> , 2017 , 110, 243503	3.4	42
194	The refrigerant is also the pump. <i>Science</i> , 2017 , 357, 1094-1095	33.3	19
193	Enhancement of the dielectric response in polymer nanocomposites with low dielectric constant fillers. <i>Nanoscale</i> , 2017 , 9, 10992-10997	7.7	122
192	Aromatic Polyurea Possessing High Electrical Energy Density and Low Loss. <i>Journal of Electronic Materials</i> , 2016 , 45, 4721-4725	1.9	14

191	Electrocaloric response near room temperature in Zr- and Sn-doped BaTiO ₃ systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	21
190	Stable dielectric response of low-loss aromatic polythiourea thin films on Pt/SiO ₂ substrate. <i>Journal of Advanced Dielectrics</i> , 2016 , 06, 1650003	1.3	6
189	Enhanced electrocaloric effect in composition gradient bilayer thick films. <i>Applied Physics Letters</i> , 2016 , 108, 133501	3.4	17
188	Anomalous negative electrocaloric effect in a relaxor/normal ferroelectric polymer blend with controlled nano- and meso-dipolar couplings. <i>Applied Physics Letters</i> , 2016 , 108, 142902	3.4	18
187	An investigation of a thermally steerable electroactive polymer/shape memory polymer hybrid actuator. <i>Applied Physics Letters</i> , 2016 , 108, 062901	3.4	12
186	Giant strain response in ionic nanoporous graphene actuator with hierarchical structures. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1389-1393	2.3	1
185	Tailoring the dipole properties in dielectric polymers to realize high energy density with high breakdown strength and low dielectric loss. <i>Journal of Applied Physics</i> , 2015 , 117, 114104	2.5	27
184	Enhancing the magnetoelectric response of Terfenol-D/polyvinylidene fluoride/Terfenol-D laminates by exploiting the shear mode effect. <i>Applied Physics Letters</i> , 2015 , 106, 112905	3.4	26
183	Aromatic poly(arylene ether urea) with high dipole moment for high thermal stability and high energy density capacitors. <i>Applied Physics Letters</i> , 2015 , 106, 202902	3.4	34
182	High performance supercapacitor under extremely low environmental temperature. <i>RSC Advances</i> , 2015 , 5, 71699-71703	3.7	24
181	Polymer nanocomposites with high energy storage densities. <i>MRS Bulletin</i> , 2015 , 40, 753-759	3.2	85
180	Ferroelectric polymers as multifunctional electroactive materials: recent advances, potential, and challenges. <i>MRS Communications</i> , 2015 , 5, 115-129	2.7	14
179	Large Displacement in Relaxor Ferroelectric Terpolymer Blend Derived Actuators Using Al Electrode for Braille Displays. <i>Scientific Reports</i> , 2015 , 5, 11361	4.9	15
178	Dielectric and electrocaloric responses of Ba(Zr _{0.2} Ti _{0.8})O ₃ bulk ceramics and thick films with sintering aids. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1501-1505	2.3	11
177	Introducing free volume in strongly dipolar polymers to achieve high dielectric constant 2015 ,		2
176	Giant Electrocaloric Response Over A Broad Temperature Range in Modified BaTiO ₃ Ceramics. <i>Advanced Functional Materials</i> , 2014 , 24, 1300-1305	15.6	307
175	A high performance hybrid asymmetric supercapacitor via nano-scale morphology control of graphene, conducting polymer, and carbon nanotube electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9964-9969	13	48
174	An electrocaloric refrigerator without external regenerator. <i>Applied Physics Letters</i> , 2014 , 105, 162905	3.4	49

173	A fast and efficient pre-doping approach to high energy density lithium-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10029-10033	13	63
172	Tailoring Thickness of Conformal Conducting Polymer Decorated Aligned Carbon Nanotube Electrodes for Energy Storage. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400076	4.6	25
171	Strongly Dipolar Polythiourea and Polyurea Dielectrics with High Electrical Breakdown, Low Loss, and High Electrical Energy Density. <i>Journal of Electronic Materials</i> , 2014 , 43, 4548-4551	1.9	33
170	Giant electrocaloric effect in BaZr _{0.2} Ti _{0.8} O ₃ thick film. <i>Applied Physics Letters</i> , 2014 , 105, 152908	3.4	73
169	Meta-aromatic polyurea with high dipole moment and dipole density for energy storage capacitors. <i>Applied Physics Letters</i> , 2014 , 104, 072903	3.4	44
168	Temperature dependence of magnetoelectric coupling in FeBSiC/PZT/FeBSiC laminates. <i>Journal of Applied Physics</i> , 2014 , 116, 074103	2.5	8
167	Influencing dielectric properties of relaxor polymer system by blending vinylidene fluoride-trifluoroethylene-based terpolymer with a ferroelectric copolymer. <i>Journal of Applied Physics</i> , 2014 , 115, 104101	2.5	7
166	Electrocaloric Polymers. <i>Engineering Materials</i> , 2014 , 107-124	0.4	3
165	High-volumetric performance aligned nano-porous microwave exfoliated graphite oxide-based electrochemical capacitors. <i>Advanced Materials</i> , 2013 , 25, 4879-85	24	97
164	Pyroelectric and electrocaloric materials. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 23-37	7.1	177
163	Simulation of chip-size electrocaloric refrigerator with high cooling-power density. <i>Applied Physics Letters</i> , 2013 , 102, 112901	3.4	40
162	A chip scale electrocaloric effect based cooling device. <i>Applied Physics Letters</i> , 2013 , 102, 122904	3.4	136
161	Conduction Mechanisms and Structure-Property Relationships in High Energy Density Aromatic Polythiourea Dielectric Films. <i>Advanced Energy Materials</i> , 2013 , 3, 1051-1055	21.8	51
160	Aromatic polythiourea dielectrics with ultrahigh breakdown field strength, low dielectric loss, and high electric energy density. <i>Advanced Materials</i> , 2013 , 25, 1734-8	24	225
159	Large Electrocaloric Effect from Electrical Field Induced Orientational Order-Disorder Transition in Nematic Liquid Crystals Possessing Large Dielectric Anisotropy. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1543, 13-20		1
158	A high-K ferroelectric relaxor terpolymer as a gate dielectric for organic thin film transistors. <i>Applied Physics Letters</i> , 2013 , 102, 013301	3.4	39
157	Aligned nano-porous microwave exfoliated graphite oxide ionic actuators with high strain and elastic energy density. <i>Advanced Materials</i> , 2013 , 25, 6277-83	24	10
156	Direct observation of ion distributions near electrodes in ionic polymer actuators containing ionic liquids. <i>Scientific Reports</i> , 2013 , 3, 973	4.9	39

155	Enhanced Electromechanical Response of Ionic Polymer Actuators by Improving Mechanical Coupling between Ions and Polymer Matrix. <i>Macromolecules</i> , 2012 , 45, 5128-5133	5.5	38
154	Influence of the Electrolyte Film Thickness on Charge Dynamics of Ionic Liquids in Ionic Electroactive Devices. <i>Macromolecules</i> , 2012 , 45, 2050-2056	5.5	16
153	Maximizing the number of coexisting phases near invariant critical points for giant electrocaloric and electromechanical responses in ferroelectrics. <i>Applied Physics Letters</i> , 2012 , 101, 082904	3.4	67
152	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 1158-1166	2.3	37
151	The Giant Electrocaloric Effect in Inorganic and Organic Ferroelectric Relaxor Systems. <i>Ferroelectrics</i> , 2012 , 430, 98-102	0.6	16
150	Tailoring electrically induced properties by stretching relaxor polymer films. <i>Journal of Applied Physics</i> , 2012 , 111, 083515	2.5	14
149	Enhanced electrocaloric effect in poly(vinylidene fluoride-trifluoroethylene)-based terpolymer/copolymer blends. <i>Applied Physics Letters</i> , 2012 , 100, 222902	3.4	36
148	Electrocaloric effect in ferroelectric polymers. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 559-566	2.6	37
147	Piezoelectric property of hot pressed electrospun poly(β -benzyl-L-glutamate) fibers. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 639-646	2.6	18
146	A highly aromatic and sulfonated ionomer for high elastic modulus ionic polymer membrane micro-actuators. <i>Smart Materials and Structures</i> , 2012 , 21, 055015	3.4	8
145	Giant electrocaloric effect in ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymers near a first-order ferroelectric transition. <i>Applied Physics Letters</i> , 2012 , 101, 132903	3.4	65
144	Electrocaloric Effect and Dipolar Entropy Change in Ferroelectric Polymers. <i>Ferroelectrics</i> , 2012 , 426, 38-44	0.6	6
143	Core-free rolled actuators for Braille displays using P(VDF-TrFE-CFE). <i>Smart Materials and Structures</i> , 2012 , 21,	3.4	18
142	Novel Polar-fluoropolymer Blends with Tailored Nanostructures for High Energy Density and Low Loss Capacitor Applications. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1403, 102		1
141	Influence of the critical point on the electrocaloric response of relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2011 , 110, 064118	2.5	158
140	Electrocaloric Effect in the Relaxor Ferroelectric Terpolymer P(VDF-TrFE-CFE). <i>Ferroelectrics</i> , 2011 , 422, 81-85	0.6	6
139	Tunable temperature dependence of electrocaloric effect in ferroelectric relaxor poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) terpolymer. <i>Applied Physics Letters</i> , 2011 , 99, 052907	3.4	107
138	Electrocaloric Effect in Ferroelectric P(VDF-TrFE) Copolymers. <i>Integrated Ferroelectrics</i> , 2011 , 125, 176-183		21

137	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 463-470	2.3	17
136	Direct Measurements of the Electrocaloric Effect in P(VDF-TrFE) (68/32) Copolymer Ferroelectric Films. <i>Ferroelectrics</i> , 2011 , 416, 139-143	0.6	7
135	Magnetolectric Sensors With Directly Integrated Charge Sensitive Readout Circuit Improved Field Sensitivity and Signal-to-Noise Ratio. <i>IEEE Sensors Journal</i> , 2011 , 11, 2260-2265	4	10
134	Giant Electrocaloric Effect in High-Energy Electron Irradiated P(VDF-TrFE) Copolymers. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1310, 1		2
133	Electrocaloric effect in relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2011 , 110, 074113	2.5	110
132	Enhanced electrocaloric effect in ferroelectric poly(vinylidene-fluoride/trifluoroethylene) 55/45 mol % copolymer at ferroelectric-paraelectric transition. <i>Applied Physics Letters</i> , 2011 , 98, 122906	3.4	102
131	Polar-fluoropolymer blends with tailored nanostructures for high energy density low loss capacitor applications. <i>Applied Physics Letters</i> , 2011 , 99, 132901	3.4	52
130	Large magnetolectric coupling coefficient in poly(vinylidene fluoride-hexafluoropropylene)/Metglas laminates. <i>Journal of Applied Physics</i> , 2011 , 110, 104103	2.5	22
129	Upper bounds on the electrocaloric effect in polar solids. <i>Applied Physics Letters</i> , 2011 , 98, 021909	3.4	89
128	Ionic Electroactive Polymer Actuators with Aligned Carbon Nanotube/Nafion Nanocomposite Electrodes. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1304, 1		
127	Thermally mediated multiferroic composites for the magnetolectric materials. <i>Applied Physics Letters</i> , 2010 , 96, 102902	3.4	15
126	Direct integration of magnetolectric sensors with microelectronics Improved field sensitivity, signal-to-noise ratio and frequency response 2010 ,		1
125	Organic and inorganic relaxor ferroelectrics with giant electrocaloric effect. <i>Applied Physics Letters</i> , 2010 , 97, 162904	3.4	251
124	Comparison of directly and indirectly measured electrocaloric effect in relaxor ferroelectric polymers. <i>Applied Physics Letters</i> , 2010 , 97, 202901	3.4	167
123	Direct Measurements of the Giant Electrocaloric Effect in Soft and Solid Ferroelectric Materials. <i>Ferroelectrics</i> , 2010 , 405, 26-31	0.6	63
122	High Electromechanical Response of Ionic Polymer Actuators with Controlled-Morphology Aligned Carbon Nanotube/Nafion Nanocomposite Electrodes. <i>Advanced Functional Materials</i> , 2010 , 20, 3266-3271	15.6	118
121	High-energy density in aromatic polyurea thin films. <i>Applied Physics Letters</i> , 2009 , 94, 202905	3.4	70
120	Enhancing the magnetolectric response of Metglas/polyvinylidene fluoride laminates by exploiting the flux concentration effect. <i>Applied Physics Letters</i> , 2009 , 95, 112903	3.4	105

119	The effect of defects on the electronic structure of long chain ferroelectric polymers. <i>Journal of Applied Physics</i> , 2009 , 106, 044105	2.5	9
118	Evolution of relaxor ferroelectric behavior of poly(vinylidene fluoride trifluoroethylene chlorofluoroethylene) terpolymer nanorods. <i>Applied Physics Letters</i> , 2009 , 95, 022911	3-4	5
117	The Fabrication and Dielectric Properties of Poly(Vinylidene Fluoride Trifluoroethylene Chlorofluoroethylene) Terpolymer Nanorods. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1240, 1		
116	Field-induced phase transition and its impact on the magnetoelectric effect in P(VDF-HFP)/Metglas laminates. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1199, 125		
115	Layer-by-layer self-assembled conductor network composites in ionic polymer metal composite actuators with high strain response. <i>Applied Physics Letters</i> , 2009 , 95, 023505	3-4	34
114	Electrocaloric effect of the relaxor ferroelectric poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) terpolymer. <i>Applied Physics Letters</i> , 2009 , 94, 042910	3-4	80
113	Electrical breakdown and ultrahigh electrical energy density in poly(vinylidene fluoride-hexafluoropropylene) copolymer. <i>Applied Physics Letters</i> , 2009 , 94, 162901	3-4	211
112	Enhancement of dielectric energy density in the poly(vinylidene fluoride)-based terpolymer/copolymer blends. <i>Applied Physics Letters</i> , 2008 , 93, 152903	3-4	58
111	High field tunneling as a limiting factor of maximum energy density in dielectric energy storage capacitors. <i>Applied Physics Letters</i> , 2008 , 92, 142909	3-4	93
110	Large electric tunability in poly(vinylidene fluoride-trifluoroethylene) based polymers. <i>Applied Physics Letters</i> , 2008 , 93, 042905	3-4	9
109	A type of poly(vinylidene fluoride-trifluoroethylene) copolymer exhibiting ferroelectric relaxor behavior at high temperature (~100°C). <i>Applied Physics Letters</i> , 2008 , 92, 042903	3-4	15
108	Large electrocaloric effect in ferroelectric polymers near room temperature. <i>Science</i> , 2008 , 321, 821-3	33-3	813
107	Relaxor Ferroelectric Polymers Fundamentals and Applications. <i>Ferroelectrics</i> , 2007 , 354, 178-191	0.6	24
106	Phase Transitions and Ferroelectric Relaxor Behavior in P(VDF/rFE/FE) Terpolymers. <i>Macromolecules</i> , 2007 , 40, 2371-2379	5-5	104
105	P6H-10 High Piezoelectric Responses in P(VDF HFP) Copolymers for Sensors and Transducers. <i>Proceedings IEEE Ultrasonics Symposium</i> , 2007 ,		2
104	An active energy harvesting scheme with an electroactive polymer. <i>Applied Physics Letters</i> , 2007 , 91, 132910	3-4	68
103	Piezoelectric responses in poly(vinylidene fluoride/hexafluoropropylene) copolymers. <i>Applied Physics Letters</i> , 2007 , 90, 242917	3-4	51
102	Large enhancement in polarization response and energy density of poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) by interface effect in nanocomposites. <i>Applied Physics Letters</i> , 2007 , 91, 122909	3-4	70

101	Electrical Energy Density and Discharge Characteristics of a Poly(vinylidene fluoride-chlorotrifluoroethylene) Copolymer. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2007 , 14, 1133-1138	2.3	193
100	High Performance Electroactive Polymers and Nano-composites for Artificial Muscles. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 133-145	2.3	30
99	A compact electroactive polymer actuator suitable for refreshable Braille display 2007 ,		5
98	Direct piezoelectric response of piezopolymer polyvinylidene fluoride under high mechanical strain and stress. <i>Applied Physics Letters</i> , 2007 , 91, 222905	3.4	28
97	Piezoelectric polymers actuators for precise shape control of large scale space antennas 2007 ,		17
96	Effect of metal-polymer interface on the breakdown electric field of poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) terpolymer. <i>Applied Physics Letters</i> , 2007 , 91, 062907	3.4	40
95	Relaxor Ferroelectric Polymer Poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) Terpolymer High Electric Energy Density and Field Dependent Dielectric Response. <i>Ferroelectrics</i> , 2006 , 331, 35-42	0.6	18
94	Direct spectroscopic evidence of field-induced solid-state chain conformation transformation in a ferroelectric relaxor polymer. <i>Journal of Applied Physics</i> , 2006 , 99, 044107	2.5	30
93	Dielectric Properties and Charge Transport in All-Organic Relaxorlike CuPc-P(VDF-TrFE-CFE) Composite and its Constituents. <i>Ferroelectrics</i> , 2006 , 338, 107-116	0.6	15
92	Relaxor Ferroelectric Polymers. <i>Ferroelectrics</i> , 2006 , 339, 37-45	0.6	11
91	Microstructure and electromechanical responses in semicrystalline ferroelectric relaxor polymer blends. <i>Journal of Applied Physics</i> , 2006 , 100, 044113	2.5	39
90	Relaxor Ferroelectric Polymers, Thin Film Devices, and Ink-Jet Microprinting for Thin Film Device Fabrication. <i>Ferroelectrics</i> , 2006 , 342, 43-56	0.6	4
89	A dielectric polymer with high electric energy density and fast discharge speed. <i>Science</i> , 2006 , 313, 334-336	3.3	1686
88	Normal ferroelectric to ferroelectric relaxor conversion in fluorinated polymers and the relaxor dynamics. <i>Journal of Materials Science</i> , 2006 , 41, 271-280	4.3	49
87	Normal ferroelectric to ferroelectric relaxor conversion in fluorinated polymers and the relaxor dynamics 2006 , 271-280		2
86	Influence of composition on relaxor ferroelectric and electromechanical properties of poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene). <i>Journal of Applied Physics</i> , 2005 , 97, 094105	2.5	66
85	Intrinsic dielectric properties and charge transport in oligomers of organic semiconductor copper phthalocyanine. <i>Physical Review B</i> , 2005 , 71,	3.3	33
84	Microstructure and Dielectric Properties of P(VDF-TrFE-CFE) with Partially Grafted Copper Phthalocyanine Oligomer. <i>Macromolecules</i> , 2005 , 38, 2247-2252	5.5	77

83	Poly(Vinylidene Fluoride-Trifluoroethylene-Chlorofluoroethylene) Terpolymer as High-energy-density Capacitor Materials. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 889, 1		
82	Ink-jet printing of ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymers. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 889, 1		4
81	Colossal dielectric and electromechanical responses in self-assembled polymeric nanocomposites. <i>Applied Physics Letters</i> , 2005 , 87, 182901	3-4	64
80	Fabrication of strain tunable infrared frequency selective surfaces on electrostrictive poly(vinylidene fluoride-trifluoroethylene) copolymer films using a stencil mask method. <i>Applied Physics Letters</i> , 2004 , 85, 654-656	3-4	14
79	Schottky emission at the metal polymer interface and its effect on the polarization switching of ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymer thin films. <i>Applied Physics Letters</i> , 2004 , 85, 1719-1721	3-4	45
78	Electrical tunable Fabry-Pérot interferometer using a poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) terpolymer. <i>Applied Physics Letters</i> , 2004 , 85, 4857-4859	3-4	10
77	Electro-optical response of the ferroelectric relaxor poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) terpolymer. <i>Journal of Applied Physics</i> , 2004 , 96, 316-319	3-5	19
76	All-organic dielectric-percolative three-component composite materials with high electromechanical response. <i>Applied Physics Letters</i> , 2004 , 84, 4391-4393	3-4	180
75	Distinctive contributions from organic filler and relaxor-like polymer matrix to dielectric response of CuPc-P(VDF-TrFE-CFE) composite. <i>Physical Review Letters</i> , 2004 , 92, 047604	7-4	48
74	High Performance P(VDF-TrFE-CFE) Terpolymer for BioMEMs and Microfluidic Devices. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 785, 581		2
73	High-dielectric-constant all-polymer percolative composites. <i>Applied Physics Letters</i> , 2003 , 82, 3502-3504	3-4	189
72	Influence of the annealing conditions on the polarization and electromechanical response of high-energy-electron-irradiated poly(vinylidene fluoride trifluoroethylene) copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 797-806	2-6	16
71	Dielectric Properties of Relaxor-like Vinylidene Fluoride-Trifluoroethylene-Based Electroactive Polymers. <i>Macromolecules</i> , 2003 , 36, 4436-4442	5-5	86
70	Influence of Crystallization Conditions on the Microstructure and Electromechanical Properties of Poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) Terpolymers. <i>Macromolecules</i> , 2003 , 36, 7220-7226	5-5	104
69	Finite-size effect on highly dispersive photonic-crystal optical components. <i>Applied Physics Letters</i> , 2003 , 82, 2380-2382	3-4	7
68	Glassy dynamics in an electron-irradiated poly(vinylidene fluoride-trifluoroethylene) copolymer system. <i>Physical Review B</i> , 2003 , 67,	3-3	23
67	An all-organic composite actuator material with a high dielectric constant. <i>Nature</i> , 2002 , 419, 284-7	50-4	895
66	Phase stabilities of morphotropic phases in Pb(Zn _{1/3} Nb _{2/3})O ₃ PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2002 , 80, 1918-1920	3-4	57

65	High-performance micromachined unimorph actuators based on electrostrictive poly(vinylidene fluoride-trifluoroethylene) copolymer. <i>Applied Physics Letters</i> , 2002 , 80, 1082-1084	3.4	61
64	Dependence of threshold thickness of crystallization and film morphology on film processing conditions in poly(vinylidene fluoride-trifluoroethylene) copolymer thin films. <i>Journal of Applied Physics</i> , 2002 , 92, 3111-3115	2.5	74
63	Investigation of Polymer Micro-Actuators Based on Electrostrictive Poly(vinylidene fluoride-trifluoroethylene) Copolymers. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 741, 541		
62	Evolution of Property and Microstructure of P(VDF-TrFE) Copolymers Modified by Irradiation Introduced Defects. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 734, 251		1
61	Influence of Metal Electrodes on the Ferroelectric Responses of Poly(vinylidene fluoride-trifluoroethylene) Copolymer Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 734, 9201		4
60	Structural Changes and Transitional Behavior Studied from Both Micro- and Macroscale in the High-Energy Electron-Irradiated Poly(vinylidene fluoride-trifluoroethylene) Copolymer. <i>Macromolecules</i> , 2002 , 35, 664-672	5.5	75
59	Dielectric relaxation behavior and its relation to microstructure in relaxor ferroelectric polymers: High-energy electron irradiated poly(vinylidene fluoride-trifluoroethylene) copolymers. <i>Journal of Applied Physics</i> , 2002 , 92, 6749-6755	2.5	91
58	Photoelastic effects in tetragonal $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{PbTiO}_3$ single crystals near the morphotropic phase boundary. <i>Journal of Applied Physics</i> , 2001 , 89, 5075-5078	2.5	17
57	Dielectric study of the relaxor ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymer system. <i>Physical Review B</i> , 2001 , 63,	3.3	58
56	Thickness dependence of ferroelectric polarization switching in poly(vinylidene fluoride-trifluoroethylene) spin cast films. <i>Applied Physics Letters</i> , 2001 , 78, 1122-1124	3.4	78
55	Ferroelectric and electromechanical properties of poly(vinylidene-fluoride-trifluoroethylene-chlorotrifluoroethylene) terpolymer. <i>Applied Physics Letters</i> , 2001 , 78, 2360-2362	3.4	246
54	Phase transitional behavior and piezoelectric properties of the orthorhombic phase of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{PbTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2001 , 78, 3109-3111	3.4	221
53	Critical thickness of crystallization and discontinuous change in ferroelectric behavior with thickness in ferroelectric polymer thin films. <i>Journal of Applied Physics</i> , 2001 , 89, 2613-2616	2.5	131
52	Effect of Interface and Crystallinity on the Ferroelectric Properties of Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 665, 1		
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