

Guo-dong Zhu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectricity in β -phase PVDF crystals: A molecular simulation study. Computational Materials Science, 2008, 44, 224-229.	3.0	67
2	Polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. Applied Physics Letters, 2006, 89, 102905.	3.3	66
3	Enhanced piezoelectric performance of PVDF/BiCl ₃ /ZnO nanofiber-based piezoelectric nanogenerator. European Polymer Journal, 2022, 166, 110956.	5.4	37
4	Improved Thermal Stability of Ferroelectric Phase in Epitaxially Grown P(VDF-TrFE) Thin Films. Macromolecules, 2016, 49, 3818-3825.	4.8	33
5	Epitaxy of Ferroelectric P(VDF-TrFE) Films via Removable PTFE Templates and Its Application in Semiconducting/Ferroelectric Blend Resistive Memory. ACS Applied Materials & Interfaces, 2017, 9, 12130-12137.	8.0	31
6	VDF-content-guided selection of piezoelectric P(VDF-TrFE) films in sensing and energy harvesting applications. Energy Conversion and Management, 2020, 211, 112771.	9.2	30
7	EFFECT OF CRYSTALLINITY ON POLARIZATION FATIGUE OF FERROELECTRIC P(VDF-TrFE) COPOLYMER FILMS. Chinese Journal of Polymer Science (English Edition), 2009, 27, 479.	3.8	29
8	High-Performance Proximity Sensors with Nanogroove-Template-Enhanced Extended-Gate Field-Effect Transistor Configuration. Advanced Electronic Materials, 2019, 5, 1900586.	5.1	23
9	Electroactive PVDF thin films fabricated via cooperative stretching process. Journal of Applied Polymer Science, 2018, 135, 46324.	2.6	22
10	Wave-Shaped Piezoelectric Nanofiber Membrane Nanogenerator for Acoustic Detection and Recognition. Advanced Fiber Materials, 2021, 3, 368-380.	16.1	21
11	Epitaxy Enhancement of Piezoelectric Properties in P(VDF-TrFE) Copolymer Films and Applications in Sensing and Energy Harvesting. Advanced Electronic Materials, 2020, 6, 2000578.	5.1	20
12	Polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer thin films. Journal of Applied Physics, 2011, 110, 024109.	2.5	19
13	Piezoelectric enhancement of an electrospun AlN-doped P(VDF-TrFE) nanofiber membrane. Materials Chemistry Frontiers, 2021, 5, 5679-5688.	5.9	17
14	Directly written DPP-DTT/SrTiO ₃ organic/inorganic heterojunctions for anisotropic self-powered photodetectors. Journal of Materials Chemistry C, 2021, 9, 15654-15661.	5.5	17
15	Exploiting the Surface-Enhanced IR Absorption Effect in the Photothermally Induced Resonance AFM-IR Technique toward Nanoscale Chemical Analysis. Analytical Chemistry, 2019, 91, 10541-10548.	6.5	16
16	Imprint effect in ferroelectric poly(vinylidene fluoride-trifluoroethylene) thin films. Journal of Applied Physics, 2009, 106, 074113.	2.5	15
17	Microscopic characterization of polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. Organic Electronics, 2009, 10, 753-760.	2.6	14
18	Fabrication of Electrically Bistable Organic Semiconducting/Ferroelectric Blend Films by Temperature Controlled Spin Coating. ACS Applied Materials & Interfaces, 2015, 7, 6325-6330.	8.0	14

#	ARTICLE	IF	CITATIONS
19	Observation of asymmetric ferroelectric switching in fatigued ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	12
20	Electrical fatigue in ferroelectric P(VDF-TrFE) copolymer films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010, 17, 1172-1177.	2.9	11
21	Low-temperature solution-based fabrication of high-k HfO ₂ dielectric thin films via combustion process. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 662-668.	2.4	10
22	Facile and solvent-free fabrication of highly oriented ferroelectric copolymer thin films and its application in ferroelectric field effect transistors. <i>Organic Electronics</i> , 2019, 64, 86-91.	2.6	10
23	Liquidâ€Metalâ€Induced Memristor Behavior in Polymer Insulators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000050.	2.4	9
24	A Multifunctional Flexible Ferroelectric Transistor Sensor for Electronic Skin. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	9
25	Imaging of local vibratory and non-vibratory domains in ferroelectric P(VDF-TrFE) films. <i>Polymer</i> , 2005, 46, 12677-12681.	3.8	8
26	Removable polytetrafluoroethylene template based epitaxy of ferroelectric copolymer thin films. <i>Applied Surface Science</i> , 2018, 437, 209-216.	6.1	8
27	Resistive switching and nanoscale chemical mapping of phase separation in PVDF/PMMA/F8T2 ternary thin films. <i>Polymer</i> , 2018, 153, 498-506.	3.8	8
28	The Strong Dependence of Polarization Fatigue on Poling-Voltage Conditions in Ferroelectric Vinylidene Fluoride and Trifluoroethylene Copolymer Films. <i>IEEE Electron Device Letters</i> , 2010, 31, 359-361.	3.9	7
29	The possibility of polarization recovery in fatigued ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. <i>Microelectronic Engineering</i> , 2008, 85, 2187-2190.	2.4	6
30	Quantitative analysis of electric field induced change in anisotropy field in Co ₆₀ Fe ₂₀ B ₂₀ /(011) xPb(Mg _{1/3} Nb _{2/3})O ₃ -(1 - x)PbTiO ₃ (x = 0.68) heterostructures. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	6
31	Ferroelectric Polarization Enhancement of Proximity Sensing Performance in Oxide Semiconductor Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3443-3453.	4.3	6
32	Predictive Biomarkers and Novel Targets in the Treatment of Metastatic Renal Cell Carcinoma. <i>Current Medicinal Chemistry</i> , 2021, 28, 5213-5227.	2.4	6
33	The study of local dual-peak vibratory properties in ferroelectric P(VDF-TrFE) films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3282-3287.	2.1	5
34	The Effect of Substrate on the Properties of Non-volatile Ferroelectric P(VDF-TrFE)/P3HT Memory Devices. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 692-699.	3.8	5
35	The influence of in-plane ferroelectric crystal orientation on electrical modulation of magnetic properties in Co ₆₀ Fe ₂₀ B ₂₀ /SiO ₂ /(011) xPb(Mg _{1/3} Nb _{2/3})O ₃ -(1 - x)PbTiO ₃ heterostructures. <i>Journal of Applied Physics</i> , 2012, 112, 033916.	2.5	4
36	Piezoresponse force microscopy study on ferroelectric polarization of ferroelectric polymer thin films with various structural configurations. <i>AIP Advances</i> , 2015, 5, .	1.3	4

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37	Defect model of domain nucleation growth induced by interlayers in poly (vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	2.8	4
38	Fabrication of high-quality colloidal crystal films by vertical deposition method integrated with a piezoelectric actuator. Thin Solid Films, 2010, 518, 5204-5208.	1.8	3
39	Direct Observation of Dipole Influence Induced by a Spin Coated Organic Interfacial Layer on Effective Schottky Barrier Height Modulation of Hg/Si Contact. IEEE Electron Device Letters, 2014, 35, 262-264.	3.9	3
40	Determining the influence of ferroelectric polarization on electrical characteristics in organic ferroelectric field-effect transistors. Chinese Physics B, 2015, 24, 058502.	1.4	3
41	Influence of Poly(methyl metacrylate) Addition on Resistive Switching Performance of P3HT/P(VDF-TrFE) Blend Films. Chinese Journal of Chemical Physics, 2017, 30, 200-206.	1.3	3
42	Thermal Release Transfer of Organic Semiconducting Film for High-Performance Flexible Organic Electronics. ACS Applied Electronic Materials, 2021, 3, 988-998.	4.3	3
43	Maskless metal patterning by meniscus-confined electrochemical etching and its application in organic field-effect transistors. Organic Electronics, 2021, 96, 106221.	2.6	3
44	Ultraviolet irradiation induced polarization restoration in electrically fatigued ferroelectric polymer films. Journal of Applied Physics, 2013, 113, .	2.5	2
45	Dissipative particle dynamics simulation of phase separation in semiconducting/ferroelectric blend resistive films. Polymer, 2017, 116, 233-239.	3.8	2
46	Fabrication of submicrometer- to micrometer-scale ferroelectric copolymer particles by solution mixture method. Thin Solid Films, 2009, 517, 5734-5738.	1.8	1
47	The Impact of Contact Position on the Retention Performance in Thin Film Ferroelectric Transistors. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100408.	1.8	1
48	Symmetric Ferroelectric Switching in Ferroelectric Vinylidene Fluoride and Trifluoroethylene Copolymer Films. Chinese Journal of Chemical Physics, 2010, 23, 425-430.	1.3	0
49	Wettability of organic ferroelectric material on metal substrate. , 2012, , .		0
50	An automatic recoverable organic fuse based on Au/PEDOT:PSS/Au structure. , 2012, , .		0
51	Formation of Graphene-Silicon Junction by Room Temperature Reduction With Simultaneous Defects Removal. IEEE Transactions on Electron Devices, 2021, 68, 873-878.	3.0	0
52	Analytical model for donor like Gaussian traps in organic thin-film transistor. Organic Electronics, 2022, 103, 106464.	2.6	0