

Guo-dong Zhu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced piezoelectric performance of PVDF/BiCl ₃ /ZnO nanofiber-based piezoelectric nanogenerator. <i>European Polymer Journal</i> , 2022, 166, 110956.	5.4	37
2	Analytical model for donor like Gaussian traps in organic thin-film transistor. <i>Organic Electronics</i> , 2022, 103, 106464.	2.6	0
3	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
4	Piezoelectric enhancement of an electrospun AlN-doped P(VDF-TrFE) nanofiber membrane. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5679-5688.	5.9	17
5	Thermal Release Transfer of Organic Semiconducting Film for High-Performance Flexible Organic Electronics. <i>ACS Applied Electronic Materials</i> , 2021, 3, 988-998.	4.3	3
6	Formation of Graphene-Silicon Junction by Room Temperature Reduction With Simultaneous Defects Removal. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 873-878.	3.0	0
7	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
8	Wave-Shaped Piezoelectric Nanofiber Membrane Nanogenerator for Acoustic Detection and Recognition. <i>Advanced Fiber Materials</i> , 2021, 3, 368-380.	16.1	21
9	Maskless metal patterning by meniscus-confined electrochemical etching and its application in organic field-effect transistors. <i>Organic Electronics</i> , 2021, 96, 106221.	2.6	3
10	Defect model of domain nucleation growth induced by interlayers in poly(vinylidene fluoride)/barium titanate/fluorine-doped tin oxide heterostructure. <i>Journal of Applied Physics</i> , 2021, 129, 104101.	2.8	4
11	Directly written DPP-DTT/SrTiO ₃ organic/inorganic heterojunctions for anisotropic self-powered photodetectors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15654-15661.	5.5	17
12	A Multifunctional Flexible Ferroelectric Transistor Sensor for Electronic Skin. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	9
13	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
14	Epitaxy Enhancement of Piezoelectric Properties in P(VDF-TrFE) Copolymer Films and Applications in Sensing and Energy Harvesting. <i>Advanced Electronic Materials</i> , 2020, 6, 2000578.	5.1	20
15	Liquid-Metal-Induced Memristor Behavior in Polymer Insulators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000050.	2.4	9
16	VDF-content-guided selection of piezoelectric P(VDF-TrFE) films in sensing and energy harvesting applications. <i>Energy Conversion and Management</i> , 2020, 211, 112771.	9.2	30
17	Exploiting the Surface-Enhanced IR Absorption Effect in the Photothermally Induced Resonance AFM-IR Technique toward Nanoscale Chemical Analysis. <i>Analytical Chemistry</i> , 2019, 91, 10541-10548.	6.5	16
18	High-Performance Proximity Sensors with Nanogroove-Template-Enhanced Extended-Gate Field-Effect Transistor Configuration. <i>Advanced Electronic Materials</i> , 2019, 5, 1900586.	5.1	23

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19	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
20	Electroactive PVDF thin films fabricated via cooperative stretching process. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46324.	2.6	22
21	Removable polytetrafluoroethylene template based epitaxy of ferroelectric copolymer thin films. <i>Applied Surface Science</i> , 2018, 437, 209-216.	6.1	8
22	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
23	Dissipative particle dynamics simulation of phase separation in semiconducting/ferroelectric blend resistive films. <i>Polymer</i> , 2017, 116, 233-239.	3.8	2
24	Epitaxy of Ferroelectric P(VDF-TrFE) Films via Removable PTFE Templates and Its Application in Semiconducting/Ferroelectric Blend Resistive Memory. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12130-12137.	8.0	31
25	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
26	Influence of Poly(methyl metacrylate) Addition on Resistive Switching Performance of P3HT/P(VDF-TrFE) Blend Films. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 200-206.	1.3	3
27	Improved Thermal Stability of Ferroelectric Phase in Epitaxially Grown P(VDF-TrFE) Thin Films. <i>Macromolecules</i> , 2016, 49, 3818-3825.	4.8	33
28	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
29	Determining the influence of ferroelectric polarization on electrical characteristics in organic ferroelectric field-effect transistors. <i>Chinese Physics B</i> , 2015, 24, 058502.	1.4	3
30	Fabrication of Electrically Bistable Organic Semiconducting/Ferroelectric Blend Films by Temperature Controlled Spin Coating. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6325-6330.	8.0	14
31	Direct Observation of Dipole Influence Induced by a Spin Coated Organic Interfacial Layer on Effective Schottky Barrier Height Modulation of Hg/Si Contact. <i>IEEE Electron Device Letters</i> , 2014, 35, 262-264.	3.9	3
32	Ultraviolet irradiation induced polarization restoration in electrically fatigued ferroelectric polymer films. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	2
33	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 = 1/4, 0.68) heterostructures. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	6
34	Wettability of organic ferroelectric material on metal substrate. , 2012, , .		0
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	An automatic recoverable organic fuse based on Au/PEDOT:PSS/Au structure. , 2012, , .		0

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37	Polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer thin films. <i>Journal of Applied Physics</i> , 2011, 110, 024109.	2.5	19
38	Fabrication of high-quality colloidal crystal films by vertical deposition method integrated with a piezoelectric actuator. <i>Thin Solid Films</i> , 2010, 518, 5204-5208.	1.8	3
39	Symmetric Ferroelectric Switching in Ferroelectric Vinylidene Fluoride and Trifluoroethylene Copolymer Films. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 425-430.	1.3	0
40	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
41	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
42	Imprint effect in ferroelectric poly(vinylidene fluoride-trifluoroethylene) thin films. <i>Journal of Applied Physics</i> , 2009, 106, 074113.	2.5	15
43	Microscopic characterization of polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. <i>Organic Electronics</i> , 2009, 10, 753-760.	2.6	14
44	Fabrication of submicrometer- to micrometer-scale ferroelectric copolymer particles by solution mixture method. <i>Thin Solid Films</i> , 2009, 517, 5734-5738.	1.8	1
45	EFFECT OF CRYSTALLINITY ON POLARIZATION FATIGUE OF FERROELECTRIC P(VDF-TrFE) COPOLYMER FILMS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2009, 27, 479.	3.8	29
46	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
47	Piezoelectricity in β -phase PVDF crystals: A molecular simulation study. <i>Computational Materials Science</i> , 2008, 44, 224-229.	3.0	67
48	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
49	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
50	Polarization fatigue in ferroelectric vinylidene fluoride and trifluoroethylene copolymer films. <i>Applied Physics Letters</i> , 2006, 89, 102905.	3.3	66
51	Imaging of local vibratory and non-vibratory domains in ferroelectric P(VDF-TrFE) films. <i>Polymer</i> , 2005, 46, 12677-12681.	3.8	8
52	The Impact of Contact Position on the Retention Performance in Thin Film Ferroelectric Transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2100408.	1.8	1