Qun-Dong Shen

List of Publications by Year
in descending order

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90 papers	4,027 citations	126907 33 h-index	123424 61 g-index
91 all docs	91 docs citations	91 times ranked	5931 citing authors

#	Article	IF	Citations
1	All-organic composites with strong photoelectric response over a wide spectral range. Science China Materials, 2021, 64, 1197-1205.	6.3	6
2	BiFeO₃â€“BaTiO₃/P(VDF-TrFE) Multifunctional Polymer Nanocomposites. ACS Applied Electronic Materials, 2021, 3, 743-751.	4.3	14
3	Skin-Inspired Pressure Sensor with MXene/P(VDF-TrFE-CFE) as Active Layer for Wearable Electronics. Nanomaterials, 2021, 11, 716.	4.1	13
4	Non-Interventional and High-Precision Temperature Measurement Biochips for Long-Term Monitoring the Temperature Fluctuations of Individual Cells. Biosensors, 2021, 11, 454.	4.7	4
5	Conductive Hydrogel for a Photothermal-Responsive Stretchable Artificial Nerve and Coalescing with a Damaged Peripheral Nerve. ACS Nano, 2020, 14, 16565-16575.	14.6	77
6	Electromagnetizedâ€Nanoparticleâ€Modulated Neural Plasticity and Recovery of Degenerative Dopaminergic Neurons in the Midâ€Brain. Advanced Materials, 2020, 32, e2003800.	21.0	47
7	High-resolution structural mapping and single-domain switching kinetics in 2D-confined ferroelectric nanodots for low-power FeRAM. Nanoscale, 2020, 12, 11997-12006.	5.6	11
8	Folate-Modified Photoelectric Responsive Polymer Microarray as Bionic Artificial Retina to Restore Visual Function. ACS Applied Materials & Interfaces, 2020, 12, 28759-28767.	8.0	12
9	All-organic flexible logical computing system based on electrical polarization of ferroelectric polymers. Applied Physics Letters, 2020, 116, .	3.3	3
10	3Dâ€Printed Soft Magnetoelectric Microswimmers for Delivery and Differentiation of Neuronâ€Like Cells. Advanced Functional Materials, 2020, 30, 1910323.	14.9	157
11	Spatial- and Time-Resolved Mapping of Interfacial Polarization and Polar Nanoregions at Nanoscale in High-Energy-Density Ferroelectric Nanocomposites. ACS Applied Energy Materials, 2020, 3, 3665-3672.	5.1	11
12	Ferroelectric nanocomposite networks with high energy storage capacitance and low ferroelectric loss by designing a hierarchical interface architecture. Physical Chemistry Chemical Physics, 2019, 21, 20661-20671.	2.8	16
13	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. Science Advances, 2019, 5, eaaw4357.	10.3	104
14	Magnetically driven piezoelectric soft microswimmers for neuron-like cell delivery and neuronal differentiation. Materials Horizons, 2019, 6, 1512-1516.	12.2	88
15	Lightâ€Induced ROS Generation and 2â€DGâ€Activated Endoplasmic Reticulum Stress by Antitumor Nanosystems: An Effective Combination Therapy by Regulating the Tumor Microenvironment. Small, 2019, 15, e1900212.	10.0	32
16	Ferroelectric domain dynamics and stability in graphene oxide-P(VDF-TrFE) multilayer films for ultra-high-density memoryÂapplication. Carbon, 2019, 144, 15-23.	10.3	20
17	Defect-mediated polarization switching in ferroelectric films for low-power-consuming and ultra-high-density memories. Polymer, 2018, 143, 281-288.	3.8	8
18	Near-Infrared Fluorescent Nanoprobes for Revealing the Role of Dopamine in Drug Addiction. ACS Applied Materials & Interfaces, 2018, 10, 4359-4368.	8.0	27

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19	Composite of P(VDFâ€CTFE) and aromatic polythiourea for capacitors with highâ€capacity, highâ€efficiency, and fast response. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 193-199.	2.1	15
20	ROSâ€Responsive Microneedle Patch for Acne Vulgaris Treatment. Advanced Therapeutics, 2018, 1, 1800035.	3.2	69
21	Ferroelectric polymer nanostructure with enhanced flexoelectric response for force-induced memory. Applied Physics Letters, 2018, 113, .	3.3	15
22	In-depth understanding of interfacial crystallization via Flash DSC and enhanced energy storage density in ferroelectric P(VDF-CTFE)/Au NRs nanocomposites for capacitor application. Soft Matter, 2018, 14, 7714-7723.	2.7	14
23	Preparation, Structure and Properties of Fluorine-containing Polymers. , 2018, , 59-102.		5
24	Anaerobeâ€Inspired Anticancer Nanovesicles. Angewandte Chemie - International Edition, 2017, 56, 2588-2593.	13.8	124
25	Hypoxia and H₂O₂ Dual-Sensitive Vesicles for Enhanced Glucose-Responsive Insulin Delivery. Nano Letters, 2017, 17, 733-739.	9.1	220
26	PVDFâ€Based Ferroelectric Polymers in Modern Flexible Electronics. Advanced Electronic Materials, 2017, 3, 1600460.	5.1	321
27	Regulation of energy storage capacitance and efficiency in semi-crystalline vinylidene fluoride copolymers through cross-linking method. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 682-688.	2.9	8
28	Conjugated polymer nanomaterials for theranostics. Acta Pharmacologica Sinica, 2017, 38, 764-781.	6.1	91
29	Cooling rate controlled microstructure evolution through flash DSC and enhanced energy density in P(VDFâ€“CTFE) for capacitor application. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1245-1253.	2.1	13
30	ATP-Responsive and Near-Infrared-Emissive Nanocarriers for Anticancer Drug Delivery and Real-Time Imaging. Theranostics, 2016, 6, 1053-1064.	10.0	54
31	Health Monitoring: Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals (Adv.) Tj ETQq1 1 0.784314 rgBT /Overl	14.9	0
32	Lightâ€Activated Hypoxiaâ€Responsive Nanocarriers for Enhanced Anticancer Therapy. Advanced Materials, 2016, 28, 3313-3320.	21.0	421
33	Primary and secondary crystallization of fast-cooled poly(vinylidene fluoride) studied by Flash DSC, wide-angle X-ray diffraction and Fourier transform infrared spectroscopy. Polymer International, 2016, 65, 387-392.	3.1	17
34	Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals. Advanced Functional Materials, 2016, 26, 3640-3648.	14.9	75
35	Bioinspired Ferroelectric Polymer Arrays as Photodetectors with Signal Transmissible to Neuron Cells. Advanced Materials, 2016, 28, 10684-10691.	21.0	24
36	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. Advanced Materials, 2016, 28, 9573-9580.	21.0	182

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37	Dual-Color Fluorescence Imaging of Magnetic Nanoparticles in Live Cancer Cells Using Conjugated Polymer Probes. Scientific Reports, 2016, 6, 22368.	3.3	33
38	Crosslinked P(VDF-CTFE)/PS-COOH nanocomposites for high-energy-density capacitor application. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1160-1169.	2.1	23
39	Anticancer Therapy: Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy (Adv. Mater. 17/2016). Advanced Materials, 2016, 28, 3226-3226.	21.0	6
40	Smart conjugated polymer nanocarrier for healthy weight loss by negative feedback regulation of lipase activity. Nanoscale, 2016, 8, 3368-3375.	5.6	16
41	Low-temperature crystallization of P(VDF-TrFE-CFE) studied by Flash DSC. Polymer, 2016, 84, 319-327.	3.8	35
42	Crystallisation behaviours of ferroelectric P(VDF-TrFE) ultrathin films on different substrates. Materials Research Innovations, 2015, 19, S240-S245.	2.3	1
43	Cationic fluorescent polymer coreâ€“shell nanoparticles for encapsulation, delivery, and non-invasively tracking the intracellular release of siRNA. Chemical Communications, 2015, 51, 2976-2979.	4.1	12
44	Conjugated Polymer Nanoparticles for Fluorescence Imaging and Sensing of Neurotransmitter Dopamine in Living Cells and the Brains of Zebrafish Larvae. ACS Applied Materials & Interfaces, 2015, 7, 18581-18589.	8.0	109
45	Nonvolatile data storage using mechanical force-induced polarization switching in ferroelectric polymer. Applied Physics Letters, 2015, 106, .	3.3	37
46	Aromatic poly(arylene ether urea) with high dipole moment for high thermal stability and high energy density capacitors. Applied Physics Letters, 2015, 106, .	3.3	46
47	Combining TMDSC measurements between chip-calorimeter and molecular simulation to study reversible melting of polymer crystals. Thermochimica Acta, 2015, 603, 79-84.	2.7	20
48	Self-folded redox/acid dual-responsive nanocarriers for anticancer drug delivery. Chemical Communications, 2014, 50, 15105-15108.	4.1	23
49	pH-Responsive and near-infrared-emissive polymer nanoparticles for simultaneous delivery, release, and fluorescence tracking of doxorubicin in vivo. Chemical Communications, 2014, 50, 4699.	4.1	50
50	Multicolour fluorescence cell imaging based on conjugated polymers. RSC Advances, 2014, 4, 3924-3928.	3.6	7
51	A fluorescenceâ€“Raman dual-imaging platform based on complexes of conjugated polymers and carbon nanotubes. Nanoscale, 2014, 6, 1480-1489.	5.6	18
52	Combining fast-scan chip-calorimeter with molecular simulations to investigate superheating behaviors of lamellar polymer crystals. Polymer, 2014, 55, 4307-4312.	3.8	41
53	Ordered arrays of a defect-modified ferroelectric polymer for non-volatile memory with minimized energy consumption. Nanoscale, 2014, 6, 13945-13951.	5.6	23
54	Nanoâ€Imprinted Ferroelectric Polymer Nanodot Arrays for High Density Data Storage. Advanced Functional Materials, 2013, 23, 3124-3129.	14.9	82

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55	Enhanced Electrocaloric Effect in Poly(vinylidene fluoride-trifluoroethylene)-based Composites. Materials Research Society Symposia Proceedings, 2013, 1490, 235-240.	0.1	2
56	Evolution of nanopolar phases, interfaces, and increased dielectric energy storage capacity in photoinitiated cross-linked poly(vinylidene fluoride)-based copolymers. Colloid and Polymer Science, 2013, 291, 1989-1997.	2.1	11
57	A polymer blend approach to tailor the ferroelectric responses in P(VDFâ€“TrFE) based copolymers. Polymer, 2013, 54, 2373-2381.	3.8	69
58	A nanocomposite approach to tailor electrocaloric effect inÂferroelectric polymer. Polymer, 2013, 54, 5299-5302.	3.8	33
59	P(VDF-TrFE-CFE) terpolymer thin-film for high performance nonvolatile memory. Applied Physics Letters, 2013, 102, .	3.3	29
60	Dielectric Investigations of Relaxor Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer in DC Bias Electric Field. Ferroelectrics, 2012, 427, 157-162.	0.6	3
61	Enhanced electrocaloric effect in poly(vinylidene fluoride-trifluoroethylene)-based terpolymer/copolymer blends. Applied Physics Letters, 2012, 100, .	3.3	44
62	Influence of dc bias electric field on Vogel-Fulcher dynamics in relaxor ferroelectrics. Physical Review B, 2011, 83, .	3.2	14
63	Greatly Enhanced Energy Density and Patterned Films Induced by Photo Crossâ€Linking of Poly(vinylidene fluorideâ€chlorotrifluoroethylene). Macromolecular Rapid Communications, 2011, 32, 94-99.	3.9	56
64	Glassy Dielectric Processes in Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer System. Ferroelectrics, 2011, 419, 59-65.	0.6	2
65	Hybrid nanocomposites of semiconductor nanoparticles and conjugated polyelectrolytes and their application as fluorescence biosensors. Polymer, 2010, 51, 902-907.	3.8	20
66	Contributions of distinctive dynamic processes to dielectric response of a relaxorlike reduced poly(vinylidene fluoride-trifluoroethylene) copolymer. Physical Review B, 2010, 81, .	3.2	10
67	Conjugated Polymer Fluorescence Probe for Intracellular Imaging of Magnetic Nanoparticles. Macromolecules, 2010, 43, 10348-10354.	4.8	43
68	Interactions between cationic conjugated polyelectrolyte and DNA and a labelâ€free method for DNA detection based on conjugated polyelectrolyte complexes. Journal of Applied Polymer Science, 2009, 114, 1278-1286.	2.6	8
69	A large enhancement in dielectric properties of poly(vinylidene fluoride) based all-organic nanocomposite. Polymer, 2009, 50, 679-684.	3.8	69
70	Layer-by-Layer Assembly of Conjugated Polyelectrolytes on Magnetic Nanoparticle Surfaces. Langmuir, 2009, 25, 5969-5973.	3.5	40
71	Ferroelectric Polymer Nanotubes with Large Dielectric Constants for Potential Allâ€Organic Electronic Devices. Macromolecular Rapid Communications, 2008, 29, 724-728.	3.9	25
72	Cationic waterâ€soluble poly(pâ€phenylene vinylene) for fluorescence sensors and electrostatic selfâ€assembly nanocomposites with quantum dots. Journal of Applied Polymer Science, 2008, 110, 3225-3233.	2.6	8

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73	Enhancement of Electrical Properties of Ferroelectric Polymers by Polyaniline Nanofibers with Controllable Conductivities. Advanced Functional Materials, 2008, 18, 1299-1306.	14.9	139
74	PVDF-based copolymers & terpolymers from P(VDF-CTFE) 91/9 mol%. , 2008, , .		0
75	A type of poly(vinylidene fluoride-trifluoroethylene) copolymer exhibiting ferroelectric relaxor behavior at high temperature (â¼100Â°C). Applied Physics Letters, 2008, 92, 042903.	3.3	16
76	Phase Transitions and Ferroelectric Relaxor Behavior in P(VDFâ'TrFEâ'CFE) Terpolymers. Macromolecules, 2007, 40, 2371-2379.	4.8	118
77	Anionic Water-Soluble Poly(phenylenevinylene) Alternating Copolymer:Â High-Efficiency Photoluminescence and Dual Electroluminescence. Macromolecules, 2006, 39, 3125-3131.	4.8	54
78	Dual electroluminescence from a single-component light-emitting electrochemical cell, based on water-soluble conjugated polymer. Journal of Applied Polymer Science, 2006, 100, 2930-2936.	2.6	37
79	Microstructure and Dielectric Properties of P(VDFâ'TrFEâ'CFE) with Partially Grafted Copper Phthalocyanine Oligomer. Macromolecules, 2005, 38, 2247-2252.	4.8	81
80	Poly(É›-caprolactone) Macroligands with Î²-Diketonate Binding Sites: Synthesis and Coordination Chemistry.. ChemInform, 2004, 35, no.	0.0	0
81	Poly(Îµ-caprolactone) macroligands with Î²-diketonate binding sites: synthesis and coordination chemistry. Tetrahedron, 2004, 60, 7277-7285.	1.9	25
82	High Dielectric Constant Composite of P(VDFâ'TrFE) with Grafted Copper Phthalocyanine Oligomer. Macromolecules, 2004, 37, 2294-2298.	4.8	97
83	Synthesis and electrochemical characterization of polyurethane with fixed redox-active units in hard segments. Journal of Applied Polymer Science, 2003, 87, 1555-1561.	2.6	1
84	Oxidative stabilization of PAN/VGCF composite. Journal of Applied Polymer Science, 2003, 87, 2063-2073.	2.6	33
85	Synthesis and characterization of novel soluble alternating copoly(phenylene vinylene) derivative for light-emitting electrochemical cell. Journal of Applied Polymer Science, 2003, 88, 1350-1356.	2.6	19
86	Study of polyfunctional carboxyl telechelic microspheres. Journal of Applied Polymer Science, 1999, 72, 667-676.	2.6	8
87	Synthesis and electrochemical properties of redox active polyurethanes with ferrocene units in polyether soft segments. Journal of Applied Polymer Science, 1999, 74, 2674-2680.	2.6	3
88	Microstructure of N-Picolylpolyurethane Transition Metal Complexes. Macromolecules, 1999, 32, 5878-5883.	4.8	5
89	Study of polyfunctional carboxyl telechelic microspheres. Journal of Applied Polymer Science, 1999, 72, 667-676.	2.6	0
90	Transition metal complexes ofN-picolyl polyurethane. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 1539-1546.	2.1	4