

Qun-Dong Shen

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.

86
papers

3,106
citations

30
h-index

54
g-index

89
ext. papers

3,562
ext. citations

6.9
avg, IF

5.22
L-index

#	Paper	IF	Citations
86	Skin-Inspired Pressure Sensor with MXene/P(VDF-TrFE-CFE) as Active Layer for Wearable Electronics. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
85	All-organic composites with strong photoelectric response over a wide spectral range. <i>Science China Materials</i> , 2021 , 64, 1197-1205	7.1	2
84	BiFeO ₃ BaTiO ₃ /P(VDF-TrFE) Multifunctional Polymer Nanocomposites. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 743-751	4	3
83	High-resolution structural mapping and single-domain switching kinetics in 2D-confined ferroelectric nanodots for low-power FeRAM. <i>Nanoscale</i> , 2020 , 12, 11997-12006	7.7	4
82	Folate-Modified Photoelectric Responsive Polymer Microarray as Bionic Artificial Retina to Restore Visual Function. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28759-28767	9.5	6
81	All-organic flexible logical computing system based on electrical polarization of ferroelectric polymers. <i>Applied Physics Letters</i> , 2020 , 116, 253301	3.4	2
80	3D-Printed Soft Magnetolectric Microswimmers for Delivery and Differentiation of Neuron-Like Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1910323	15.6	82
79	Spatial- and Time-Resolved Mapping of Interfacial Polarization and Polar Nanoregions at Nanoscale in High-Energy-Density Ferroelectric Nanocomposites. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3665-3672	6.1	7
78	Conductive Hydrogel for a Photothermal-Responsive Stretchable Artificial Nerve and Coalescing with a Damaged Peripheral Nerve. <i>ACS Nano</i> , 2020 ,	16.7	29
77	Electromagnetized-Nanoparticle-Modulated Neural Plasticity and Recovery of Degenerative Dopaminergic Neurons in the Mid-Brain. <i>Advanced Materials</i> , 2020 , 32, e2003800	24	16
76	Magnetically driven piezoelectric soft microswimmers for neuron-like cell delivery and neuronal differentiation. <i>Materials Horizons</i> , 2019 , 6, 1512-1516	14.4	46
75	Light-Induced ROS Generation and 2-DG-Activated Endoplasmic Reticulum Stress by Antitumor Nanosystems: An Effective Combination Therapy by Regulating the Tumor Microenvironment. <i>Small</i> , 2019 , 15, e1900212	11	18
74	Ferroelectric nanocomposite networks with high energy storage capacitance and low ferroelectric loss by designing a hierarchical interface architecture. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20661-20671	3.6	8
73	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. <i>Science Advances</i> , 2019 , 5, eaaw4357	14.3	62
72	Ferroelectric domain dynamics and stability in graphene oxide-P(VDF-TrFE) multilayer films for ultra-high-density memory application. <i>Carbon</i> , 2019 , 144, 15-23	10.4	15
71	Defect-mediated polarization switching in ferroelectric films for low-power-consuming and ultra-high-density memories. <i>Polymer</i> , 2018 , 143, 281-288	3.9	6
70	Near-Infrared Fluorescent Nanoprobes for Revealing the Role of Dopamine in Drug Addiction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4359-4368	9.5	11

69	Ferroelectric polymer nanostructure with enhanced flexoelectric response for force-induced memory. <i>Applied Physics Letters</i> , 2018 , 113, 042903	3.4	6
68	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. <i>Soft Matter</i> , 2018 , 14, 7714-7723	3.6	10
67	Preparation, Structure and Properties of Fluorine-containing Polymers 2018 , 59-102		1
66	Composite of P(VDF-CTFE) and aromatic polythiourea for capacitors with high-capacity, high-efficiency, and fast response. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 56, 193-199	2.6	12
65	ROS-Responsive Microneedle Patch for Acne Vulgaris Treatment. <i>Advanced Therapeutics</i> , 2018 , 1, 1800035	3.5	42
64	Anaerobe-Inspired Anticancer Nanovesicles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2588-2593	5.4	109
63	Hypoxia and HO Dual-Sensitive Vesicles for Enhanced Glucose-Responsive Insulin Delivery. <i>Nano Letters</i> , 2017 , 17, 733-739	11.5	172
62	PVDF-Based Ferroelectric Polymers in Modern Flexible Electronics. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600460	6.4	204
61	Regulation of energy storage capacitance and efficiency in semi-crystalline vinylidene fluoride copolymers through cross-linking method. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 682-688	2.3	6
60	Conjugated polymer nanomaterials for theranostics. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 764-781	8	65
59	Cooling rate controlled microstructure evolution through flash DSC and enhanced energy density in P(VDF/CTFE) for capacitor application. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1245-1253	2.6	9
58	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. <i>Advanced Materials</i> , 2016 , 28, 9573-9580	24	147
57	Dual-Color Fluorescence Imaging of Magnetic Nanoparticles in Live Cancer Cells Using Conjugated Polymer Probes. <i>Scientific Reports</i> , 2016 , 6, 22368	4.9	29
56	Crosslinked P(VDF-CTFE)/PS-COOH nanocomposites for high-energy-density capacitor application. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1160-1169	2.6	22
55	Anticancer Therapy: Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy (Adv. Mater. 17/2016). <i>Advanced Materials</i> , 2016 , 28, 3226-3226	24	5
54	Smart conjugated polymer nanocarrier for healthy weight loss by negative feedback regulation of lipase activity. <i>Nanoscale</i> , 2016 , 8, 3368-75	7.7	12
53	Low-temperature crystallization of P(VDF-TrFE-CFE) studied by Flash DSC. <i>Polymer</i> , 2016 , 84, 319-327	3.9	26
52	ATP-Responsive and Near-Infrared-Emissive Nanocarriers for Anticancer Drug Delivery and Real-Time Imaging. <i>Theranostics</i> , 2016 , 6, 1053-64	12.1	45

51	Health Monitoring: Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals (Adv. Funct. Mater. 21/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 3639-3639	15.6	
50	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. <i>Advanced Materials</i> , 2016 , 28, 3313-20	24	355
49	Primary and secondary crystallization of fast-cooled poly(vinylidene fluoride) studied by Flash DSC, wide-angle X-ray diffraction and Fourier transform infrared spectroscopy. <i>Polymer International</i> , 2016 , 65, 387-392	3.3	11
48	Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals. <i>Advanced Functional Materials</i> , 2016 , 26, 3640-3648	15.6	56
47	Bioinspired Ferroelectric Polymer Arrays as Photodetectors with Signal Transmissible to Neuron Cells. <i>Advanced Materials</i> , 2016 , 28, 10684-10691	24	16
46	Conjugated Polymer Nanoparticles for Fluorescence Imaging and Sensing of Neurotransmitter Dopamine in Living Cells and the Brains of Zebrafish Larvae. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18581-9	9.5	95
45	Nonvolatile data storage using mechanical force-induced polarization switching in ferroelectric polymer. <i>Applied Physics Letters</i> , 2015 , 106, 042903	3.4	26
44	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
43	Combining TMDSC measurements between chip-calorimeter and molecular simulation to study reversible melting of polymer crystals. <i>Thermochimica Acta</i> , 2015 , 603, 79-84	2.9	18
42	Crystallisation behaviours of ferroelectric P(VDF-TrFE) ultrathin films on different substrates. <i>Materials Research Innovations</i> , 2015 , 19, S240-S245	1.9	
41	Cationic fluorescent polymer core-shell nanoparticles for encapsulation, delivery, and non-invasively tracking the intracellular release of siRNA. <i>Chemical Communications</i> , 2015 , 51, 2976-9	5.8	11
40	Self-folded redox/acid dual-responsive nanocarriers for anticancer drug delivery. <i>Chemical Communications</i> , 2014 , 50, 15105-8	5.8	23
39	pH-Responsive and near-infrared-emissive polymer nanoparticles for simultaneous delivery, release, and fluorescence tracking of doxorubicin in vivo. <i>Chemical Communications</i> , 2014 , 50, 4699-702	5.8	48
38	Multicolour fluorescence cell imaging based on conjugated polymers. <i>RSC Advances</i> , 2014 , 4, 3924-3928	3.7	7
37	A fluorescence-Raman dual-imaging platform based on complexes of conjugated polymers and carbon nanotubes. <i>Nanoscale</i> , 2014 , 6, 1480-9	7.7	15
36	Combining fast-scan chip-calorimeter with molecular simulations to investigate superheating behaviors of lamellar polymer crystals. <i>Polymer</i> , 2014 , 55, 4307-4312	3.9	36
35	Ordered arrays of a defect-modified ferroelectric polymer for non-volatile memory with minimized energy consumption. <i>Nanoscale</i> , 2014 , 6, 13945-51	7.7	21
34	Nano-Imprinted Ferroelectric Polymer Nanodot Arrays for High Density Data Storage. <i>Advanced Functional Materials</i> , 2013 , 23, 3124-3129	15.6	71

33	Enhanced Electrocaloric Effect in Poly(vinylidene fluoride-trifluoroethylene)-based Composites. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1490, 235-240		1
32	Evolution of nanopolar phases, interfaces, and increased dielectric energy storage capacity in photoinitiated cross-linked poly(vinylidene fluoride)-based copolymers. <i>Colloid and Polymer Science</i> , 2013 , 291, 1989-1997	2.4	11
31	A polymer blend approach to tailor the ferroelectric responses in P(VDF-TrFE) based copolymers. <i>Polymer</i> , 2013 , 54, 2373-2381	3.9	56
30	A nanocomposite approach to tailor electrocaloric effect in ferroelectric polymer. <i>Polymer</i> , 2013 , 54, 5299-5302	3.9	21
29	P(VDF-TrFE-CFE) terpolymer thin-film for high performance nonvolatile memory. <i>Applied Physics Letters</i> , 2013 , 102, 063103	3.4	22
28	Dielectric Investigations of Relaxor Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer in DC Bias Electric Field. <i>Ferroelectrics</i> , 2012 , 427, 157-162	0.6	2
27	Enhanced electrocaloric effect in poly(vinylidene fluoride-trifluoroethylene)-based terpolymer/copolymer blends. <i>Applied Physics Letters</i> , 2012 , 100, 222902	3.4	36
26	Influence of dc bias electric field on Vogel-Fulcher dynamics in relaxor ferroelectrics. <i>Physical Review B</i> , 2011 , 83,	3.3	13
25	Greatly enhanced energy density and patterned films induced by photo cross-linking of poly(vinylidene fluoride-chlorotrifluoroethylene). <i>Macromolecular Rapid Communications</i> , 2011 , 32, 94-9	4.8	51
24	Glassy Dielectric Processes in Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer System. <i>Ferroelectrics</i> , 2011 , 419, 59-65	0.6	2
23	Contributions of distinctive dynamic processes to dielectric response of a relaxorlike reduced poly(vinylidene fluoride-trifluoroethylene) copolymer. <i>Physical Review B</i> , 2010 , 81,	3.3	10
22	Conjugated Polymer Fluorescence Probe for Intracellular Imaging of Magnetic Nanoparticles. <i>Macromolecules</i> , 2010 , 43, 10348-10354	5.5	41
21	Hybrid nanocomposites of semiconductor nanoparticles and conjugated polyelectrolytes and their application as fluorescence biosensors. <i>Polymer</i> , 2010 , 51, 902-907	3.9	19
20	Interactions between cationic conjugated polyelectrolyte and DNA and a label-free method for DNA detection based on conjugated polyelectrolyte complexes. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1278-1286	2.9	8
19	A large enhancement in dielectric properties of poly(vinylidene fluoride) based all-organic nanocomposite. <i>Polymer</i> , 2009 , 50, 679-684	3.9	63
18	Layer-by-layer assembly of conjugated polyelectrolytes on magnetic nanoparticle surfaces. <i>Langmuir</i> , 2009 , 25, 5969-73	4	37
17	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
16	Ferroelectric Polymer Nanotubes with Large Dielectric Constants for Potential All-Organic Electronic Devices. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 724-728	4.8	24

15	Cationic water-soluble poly(p-phenylene vinylene) for fluorescence sensors and electrostatic self-assembly nanocomposites with quantum dots. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3225-3233	2.9	8
14	Enhancement of Electrical Properties of Ferroelectric Polymers by Polyaniline Nanofibers with Controllable Conductivities. <i>Advanced Functional Materials</i> , 2008 , 18, 1299-1306	15.6	129
13	Phase Transitions and Ferroelectric Relaxor Behavior in P(VDF/rFE/FE) Terpolymers. <i>Macromolecules</i> , 2007 , 40, 2371-2379	5.5	104
12	Dual electroluminescence from a single-component light-emitting electrochemical cell, based on water-soluble conjugated polymer. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2930-2936	2.9	35
11	Anionic Water-Soluble Poly(phenylenevinylene) Alternating Copolymer: High-Efficiency Photoluminescence and Dual Electroluminescence. <i>Macromolecules</i> , 2006 , 39, 3125-3131	5.5	53
10	Microstructure and Dielectric Properties of P(VDF/rFE/FE) with Partially Grafted Copper Phthalocyanine Oligomer. <i>Macromolecules</i> , 2005 , 38, 2247-2252	5.5	77
9	Poly(ϵ -caprolactone) macroligands with β -diketonate binding sites: synthesis and coordination chemistry. <i>Tetrahedron</i> , 2004 , 60, 7277-7285	2.4	24
8	High Dielectric Constant Composite of P(VDF/rFE) with Grafted Copper Phthalocyanine Oligomer. <i>Macromolecules</i> , 2004 , 37, 2294-2298	5.5	91
7	Synthesis and electrochemical characterization of polyurethane with fixed redox-active units in hard segments. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1555-1561	2.9	1
6	Oxidative stabilization of PAN/VGCF composite. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 2063-2073	2.9	31
5	Synthesis and characterization of novel soluble alternating copoly(phenylene vinylene) derivative for light-emitting electrochemical cell. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1350-1356	2.9	17
4	Study of polyfunctional carboxyl telechelic microspheres. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 667-676	2.9	7
3	Synthesis and electrochemical properties of redox active polyurethanes with ferrocene units in polyether soft segments. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 2674-2680	2.9	2
2	Microstructure of N-Picolylpolyurethane Transition Metal Complexes. <i>Macromolecules</i> , 1999 , 32, 5878-5883	5.5	4
1	Transition metal complexes of N-picolyl polyurethane. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 1539-1546	2.6	3