Qun-Dong Shen

List of Publications by Citations

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	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. *Advanced Materials*, **2016**, 28, 3313-20	24	355
85	PVDF-Based Ferroelectric Polymers in Modern Flexible Electronics. *Advanced Electronic Materials*, **2017**, 3, 1600460	6.4	204
84	Hypoxia and HO Dual-Sensitive Vesicles for Enhanced Glucose-Responsive Insulin Delivery. *Nano Letters*, **2017**, 17, 733-739	11.5	172
83	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. *Advanced Materials*, **2016**, 28, 9573-9580	24	147
82	Enhancement of Electrical Properties of Ferroelectric Polymers by Polyaniline Nanofibers with Controllable Conductivities. *Advanced Functional Materials*, **2008**, 18, 1299-1306	15.6	129
81	Anaerobe-Inspired Anticancer Nanovesicles. *Angewandte Chemie - International Edition*, **2017**, 56, 2588-2592	15.4	109
80	Phase Transitions and Ferroelectric Relaxor Behavior in P(VDF□rFE□FE) Terpolymers. *Macromolecules*, **2007**, 40, 2371-2379	5.5	104
79	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, 18581-9	9.5	95
78	High Dielectric Constant Composite of P(VDF□rFE) with Grafted Copper Phthalocyanine Oligomer. *Macromolecules*, **2004**, 37, 2294-2298	5.5	91
77	3D-Printed Soft Magnetoelectric Microswimmers for Delivery and Differentiation of Neuron-Like Cells. *Advanced Functional Materials*, **2020**, 30, 1910323	15.6	82
76	Microstructure and Dielectric Properties of P(VDF□rFE□FE) with Partially Grafted Copper Phthalocyanine Oligomer. *Macromolecules*, **2005**, 38, 2247-2252	5.5	77
75	Nano-Imprinted Ferroelectric Polymer Nanodot Arrays for High Density Data Storage. *Advanced Functional Materials*, **2013**, 23, 3124-3129	15.6	71
74	Conjugated polymer nanomaterials for theranostics. *Acta Pharmacologica Sinica*, **2017**, 38, 764-781	8	65
73	A large enhancement in dielectric properties of poly(vinylidene fluoride) based all-organic nanocomposite. *Polymer*, **2009**, 50, 679-684	3.9	63
72	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. *Science Advances*, **2019**, 5, eaaw4357	14.3	62
71	A polymer blend approach to tailor the ferroelectric responses in P(VDF□rFE) based copolymers. *Polymer*, **2013**, 54, 2373-2381	3.9	56
70	Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals. *Advanced Functional Materials*, **2016**, 26, 3640-3648	15.6	56

69	Anionic Water-Soluble Poly(phenylenevinylene) Alternating Copolymer: High-Efficiency Photoluminescence and Dual Electroluminescence. *Macromolecules*, **2006**, 39, 3125-3131	5.5	53
68	Greatly enhanced energy density and patterned films induced by photo cross-linking of poly(vinylidene fluoride-chlorotrifluoroethylene). *Macromolecular Rapid Communications*, **2011**, 32, 94-9	4.8	51
67	pH-Responsive and near-infrared-emissive polymer nanoparticles for simultaneous delivery, release, and fluorescence tracking of doxorubicin in vivo. *Chemical Communications*, **2014**, 50, 4699-702	5.8	48
66	Magnetically driven piezoelectric soft microswimmers for neuron-like cell delivery and neuronal differentiation. *Materials Horizons*, **2019**, 6, 1512-1516	14.4	46
65	ATP-Responsive and Near-Infrared-Emissive Nanocarriers for Anticancer Drug Delivery and Real-Time Imaging. *Theranostics*, **2016**, 6, 1053-64	12.1	45
64	ROS-Responsive Microneedle Patch for Acne Vulgaris Treatment. *Advanced Therapeutics*, **2018**, 1, 1800035	4.9	42
63	Conjugated Polymer Fluorescence Probe for Intracellular Imaging of Magnetic Nanoparticles. *Macromolecules*, **2010**, 43, 10348-10354	5.5	41
62	Layer-by-layer assembly of conjugated polyelectrolytes on magnetic nanoparticle surfaces. *Langmuir*, **2009**, 25, 5969-73	4	37
61	Combining fast-scan chip-calorimeter with molecular simulations to investigate superheating behaviors of lamellar polymer crystals. *Polymer*, **2014**, 55, 4307-4312	3.9	36
60	Enhanced electrocaloric effect in poly(vinylidene fluoride-trifluoroethylene)-based terpolymer/copolymer blends. *Applied Physics Letters*, **2012**, 100, 222902	3.4	36
59	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	2.9	35
58	Aromatic poly(arylene ether urea) with high dipole moment for high thermal stability and high energy density capacitors. *Applied Physics Letters*, **2015**, 106, 202902	3.4	34
57	Oxidative stabilization of PAN/VGCF composite. *Journal of Applied Polymer Science*, **2003**, 87, 2063-2073	2.9	31
56	Dual-Color Fluorescence Imaging of Magnetic Nanoparticles in Live Cancer Cells Using Conjugated Polymer Probes. *Scientific Reports*, **2016**, 6, 22368	4.9	29
55	Conductive Hydrogel for a Photothermal-Responsive Stretchable Artificial Nerve and Coalescing with a Damaged Peripheral Nerve. *ACS Nano*, **2020**,	16.7	29
54	Nonvolatile data storage using mechanical force-induced polarization switching in ferroelectric polymer. *Applied Physics Letters*, **2015**, 106, 042903	3.4	26
53	Low-temperature crystallization of P(VDF-TrFE-CFE) studied by Flash DSC. *Polymer*, **2016**, 84, 319-327	3.9	26
52	Ferroelectric Polymer Nanotubes with Large Dielectric Constants for Potential All-Organic Electronic Devices. *Macromolecular Rapid Communications*, **2008**, 29, 724-728	4.8	24

51	Poly(ε-caprolactone) macroligands with β-diketonate binding sites: synthesis and coordination chemistry. *Tetrahedron*, **2004**, 60, 7277-7285	2.4	24
50	Self-folded redox/acid dual-responsive nanocarriers for anticancer drug delivery. *Chemical Communications*, **2014**, 50, 15105-8	5.8	23
49	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	2.6	22
48	P(VDF-TrFE-CFE) terpolymer thin-film for high performance nonvolatile memory. *Applied Physics Letters*, **2013**, 102, 063103	3.4	22
47	Ordered arrays of a defect-modified ferroelectric polymer for non-volatile memory with minimized energy consumption. *Nanoscale*, **2014**, 6, 13945-51	7.7	21
46	A nanocomposite approach to tailor electrocaloric effect in ferroelectric polymer. *Polymer*, **2013**, 54, 5299-5302	3.9	21
45	Hybrid nanocomposites of semiconductor nanoparticles and conjugated polyelectrolytes and their application as fluorescence biosensors. *Polymer*, **2010**, 51, 902-907	3.9	19
44	Light-Induced ROS Generation and 2-DG-Activated Endoplasmic Reticulum Stress by Antitumor Nanosystems: An Effective Combination Therapy by Regulating the Tumor Microenvironment. *Small*, **2019**, 15, e1900212	11	18
43	Combining TMDSC measurements between chip-calorimeter and molecular simulation to study reversible melting of polymer crystals. *Thermochimica Acta*, **2015**, 603, 79-84	2.9	18
42	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	2.9	17
41	Electromagnetized-Nanoparticle-Modulated Neural Plasticity and Recovery of Degenerative Dopaminergic Neurons in the Mid-Brain. *Advanced Materials*, **2020**, 32, e2003800	24	16
40	Bioinspired Ferroelectric Polymer Arrays as Photodetectors with Signal Transmissible to Neuron Cells. *Advanced Materials*, **2016**, 28, 10684-10691	24	16
39	A fluorescence-Raman dual-imaging platform based on complexes of conjugated polymers and carbon nanotubes. *Nanoscale*, **2014**, 6, 1480-9	7.7	15
38	A type of poly(vinylidene fluoride-trifluoroethylene) copolymer exhibiting ferroelectric relaxor behavior at high temperature (~100°C). *Applied Physics Letters*, **2008**, 92, 042903	3.4	15
37	Ferroelectric domain dynamics and stability in graphene oxide-P(VDF-TrFE) multilayer films for ultra-high-density memory application. *Carbon*, **2019**, 144, 15-23	10.4	15
36	Influence of dc bias electric field on Vogel-Fulcher dynamics in relaxor ferroelectrics. *Physical Review B*, **2011**, 83,	3.3	13
35	Smart conjugated polymer nanocarrier for healthy weight loss by negative feedback regulation of lipase activity. *Nanoscale*, **2016**, 8, 3368-75	7.7	12
34	Composite of P(VDF-CTFE) and aromatic polythiourea for capacitors with high-capacity, high-efficiency, and fast response. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 193-199	2.6	12

33	Near-Infrared Fluorescent Nanoprobes for Revealing the Role of Dopamine in Drug Addiction. *ACS Applied Materials & Interfaces*, **2018**, 10, 4359-4368	9.5	11
32	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	2.4	11
31	Cationic fluorescent polymer core-shell nanoparticles for encapsulation, delivery, and non-invasively tracking the intracellular release of siRNA. *Chemical Communications*, **2015**, 51, 2976-9	5.8	11
30	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	3.3	11
29	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	3.6	10
28	Contributions of distinctive dynamic processes to dielectric response of a relaxorlike reduced poly(vinylidene fluoride-trifluoroethylene) copolymer. *Physical Review B*, **2010**, 81,	3.3	10
27	Cooling rate controlled microstructure evolution through flash DSC and enhanced energy density in P(VDF□CTFE) for capacitor application. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1245-1253	2.6	9
26	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	3.6	8
25	Interactions between cationic conjugated polyelectrolyte and DNA and a label-free method for DNA detection based on conjugated polyelectrolyte complexes. *Journal of Applied Polymer Science*, **2009**, 114, 1278-1286	2.9	8
24	Cationic water-soluble poly(p-phenylene vinylene) for fluorescence sensors and electrostatic self-assembly nanocomposites with quantum dots. *Journal of Applied Polymer Science*, **2008**, 110, 3225-3233	2.9	8
23	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	6.1	7
22	Multicolour fluorescence cell imaging based on conjugated polymers. *RSC Advances*, **2014**, 4, 3924-3928	3.7	7
21	Study of polyfunctional carboxyl telechelic microspheres. *Journal of Applied Polymer Science*, **1999**, 72, 667-676	2.9	7
20	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	2.3	6
19	Folate-Modified Photoelectric Responsive Polymer Microarray as Bionic Artificial Retina to Restore Visual Function. *ACS Applied Materials & Interfaces*, **2020**, 12, 28759-28767	9.5	6
18	Defect-mediated polarization switching in ferroelectric films for low-power-consuming and ultra-high-density memories. *Polymer*, **2018**, 143, 281-288	3.9	6
17	Ferroelectric polymer nanostructure with enhanced flexoelectric response for force-induced memory. *Applied Physics Letters*, **2018**, 113, 042903	3.4	6
16	Anticancer Therapy: Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy (Adv. Mater. 17/2016). *Advanced Materials*, **2016**, 28, 3226-3226	24	5

15	Skin-Inspired Pressure Sensor with MXene/P(VDF-TrFE-CFE) as Active Layer for Wearable Electronics. *Nanomaterials*, **2021**, 11,	5.4	5
14	High-resolution structural mapping and single-domain switching kinetics in 2D-confined ferroelectric nanodots for low-power FeRAM. *Nanoscale*, **2020**, 12, 11997-12006	7.7	4
13	Microstructure of N-Picolylpolyurethane Transition Metal Complexes. *Macromolecules*, **1999**, 32, 5878-5883	3.9	4
12	Transition metal complexes of N-picolyl polyurethane. *Journal of Polymer Science, Part B: Polymer Physics*, **1998**, 36, 1539-1546	2.6	3
11	BiFeO3BaTiO3/P(VDF-TrFE) Multifunctional Polymer Nanocomposites. *ACS Applied Electronic Materials*, **2021**, 3, 743-751	4	3
10	All-organic flexible logical computing system based on electrical polarization of ferroelectric polymers. *Applied Physics Letters*, **2020**, 116, 253301	3.4	2
9	Dielectric Investigations of Relaxor Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer in DC Bias Electric Field. *Ferroelectrics*, **2012**, 427, 157-162	0.6	2
8	Glassy Dielectric Processes in Reduced Poly(Vinylidene Fluoride-Trifluoroethylene) Copolymer System. *Ferroelectrics*, **2011**, 419, 59-65	0.6	2
7	Synthesis and electrochemical properties of redox active polyurethanes with ferrocene units in polyether soft segments. *Journal of Applied Polymer Science*, **1999**, 74, 2674-2680	2.9	2
6	All-organic composites with strong photoelectric response over a wide spectral range. *Science China Materials*, **2021**, 64, 1197-1205	7.1	2
5	Preparation, Structure and Properties of Fluorine-containing Polymers **2018**, 59-102		1
4	Enhanced Electrocaloric Effect in Poly(vinylidene fluoride-trifluoroethylene)-based Composites. *Materials Research Society Symposia Proceedings*, **2013**, 1490, 235-240		1
3	Synthesis and electrochemical characterization of polyurethane with fixed redox-active units in hard segments. *Journal of Applied Polymer Science*, **2003**, 87, 1555-1561	2.9	1
2	Crystallisation behaviours of ferroelectric P(VDF-TrFE) ultrathin films on different substrates. *Materials Research Innovations*, **2015**, 19, S240-S245	1.9	
1	Health Monitoring: Flexible Polymer Transducers for Dynamic Recognizing Physiological Signals (Adv. Funct. Mater. 21/2016). *Advanced Functional Materials*, **2016**, 26, 3639-3639	15.6	