

Lei Zhu

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234
papers

10,716
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h-index

94
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250
ext. papers

12,074
ext. citations

6.3
avg, IF

6.68
L-index

#	Paper	IF	Citations
234	Novel Ferroelectric Polymers for High Energy Density and Low Loss Dielectrics. <i>Macromolecules</i> , 2012 , 45, 2937-2954	5.5	434
233	Polymer nanocomposites for electrical energy storage. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 1421-1429	2.6	395
232	Exploring Strategies for High Dielectric Constant and Low Loss Polymer Dielectrics. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3677-87	6.4	381
231	Flow-induced shish-kebab precursor structures in entangled polymer melts. <i>Polymer</i> , 2005 , 46, 8587-8623	3.9	378
230	Crystallization Temperature-Dependent Crystal Orientations within Nanoscale Confined Lamellae of a Self-Assembled Crystalline-Amorphous Diblock Copolymer. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5957-5967	16.4	365
229	Phase structures and morphologies determined by self-organization, vitrification, and crystallization: confined crystallization in an ordered lamellar phase of PEO-b-PS diblock copolymer. <i>Polymer</i> , 2001 , 42, 5829-5839	3.9	251
228	Unexpected shish-kebab structure in a sheared polyethylene melt. <i>Physical Review Letters</i> , 2005 , 94, 117802	7.4	232
227	Novel polymer ferroelectric behavior via crystal isomorphism and the nanoconfinement effect. <i>Polymer</i> , 2013 , 54, 1709-1728	3.9	208
226	50th Anniversary Perspective: Dielectric Phenomena in Polymers and Multilayered Dielectric Films. <i>Macromolecules</i> , 2017 , 50, 2239-2256	5.5	191
225	Mixed Polymer Brush-Grafted Particles: A New Class of Environmentally Responsive Nanostructured Materials. <i>Macromolecules</i> , 2009 , 42, 9369-9383	5.5	175
224	Crystalline Morphology and Polymorphic Phase Transitions in Electrospun Nylon 6 Nanofibers. <i>Macromolecules</i> , 2007 , 40, 6283-6290	5.5	173
223	Crystal Orientation Effect on Electric Energy Storage in Poly(vinylidene fluoride-co-hexafluoropropylene) Copolymers. <i>Macromolecules</i> , 2010 , 43, 384-392	5.5	170
222	Hard and soft confinement effects on polymer crystallization in microphase separated cylinder-forming PEO-b-PS/PS blends. <i>Polymer</i> , 2001 , 42, 9121-9131	3.9	162
221	Crystal Orientation Changes in Two-Dimensionally Confined Nanocylinders in a Poly(ethylene oxide)-b-polystyrene/Polystyrene Blend. <i>Macromolecules</i> , 2001 , 34, 6649-6657	5.5	151
220	Interfacial Polarization-Induced Loss Mechanisms in Polypropylene/BaTiO ₃ Nanocomposite Dielectrics. <i>Chemistry of Materials</i> , 2016 , 28, 4646-4660	9.6	150
219	Reduction of Dielectric Hysteresis in Multilayered Films via Nanoconfinement. <i>Macromolecules</i> , 2012 , 45, 1954-1962	5.5	144
218	Initial-Stage Growth Controlled Crystal Orientations in Nanoconfined Lamellae of a Self-Assembled Crystalline-Amorphous Diblock Copolymer. <i>Macromolecules</i> , 2001 , 34, 1244-1251	5.5	139

217	Confinement Size Effect on Crystal Orientation Changes of Poly(ethylene oxide) Blocks in Poly(ethylene oxide)-b-polystyrene Diblock Copolymers. <i>Macromolecules</i> , 2004 , 37, 3689-3698	5.5	124
216	Confined Ferroelectric Properties in Poly(Vinylidene Fluoride-co-Chlorotrifluoroethylene)-graft-Polystyrene Graft Copolymers for Electric Energy Storage Applications. <i>Advanced Functional Materials</i> , 2011 , 21, 3176-3188	15.6	121
215	Self-assembly and crystallization behavior of a double-crystalline polyethylene-block-poly(ethylene oxide) diblock copolymer. <i>Polymer</i> , 2004 , 45, 8181-8193	3.9	121
214	Phase structures and morphologies determined by competitions among self-organization, crystallization, and vitrification in a disordered poly(ethylene oxide)-b-polystyrene diblock copolymer. <i>Physical Review B</i> , 1999 , 60, 10022-10031	3.3	119
213	Effects of Polymorphism and Crystallite Size on Dipole Reorientation in Poly(vinylidene fluoride) and Its Random Copolymers. <i>Macromolecules</i> , 2010 , 43, 6739-6748	5.5	114
212	Achieving high dielectric constant and low loss property in a dipolar glass polymer containing strongly dipolar and small-sized sulfone groups. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5248-5795	110	110
211	Chemically Shielded Poly(ethylene oxide) Single Crystal Growth and Construction of Channel-Wire Arrays with Chemical and Geometric Recognitions on a Submicrometer Scale. <i>Macromolecules</i> , 2004 , 37, 5292-5299	5.5	110
210	Onset of tethered chain overcrowding. <i>Physical Review Letters</i> , 2004 , 93, 028301	7.4	109
209	Confinement-Induced High-Field Antiferroelectric-like Behavior in a Poly(vinylidene fluoride-co-trifluoroethylene-co-chlorotrifluoroethylene)-graft-polystyrene Graft Copolymer. <i>Macromolecules</i> , 2011 , 44, 2190-2199	5.5	107
208	Nanoscale tubular and sheetlike superstructures from hierarchical self-assembly of polymeric janus particles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 10171-4	16.4	107
207	Synergistic enhancement of thermal conductivity by constructing hybrid conductive network in the segregated polymer composites. <i>Composites Science and Technology</i> , 2018 , 162, 7-13	8.6	105
206	Semicrystalline Structure-Dielectric Property Relationship and Electrical Conduction in a Biaxially Oriented Poly(vinylidene fluoride) Film under High Electric Fields and High Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19894-905	9.5	93
205	Interfacial polarization and layer thickness effect on electrical insulation in multilayered polysulfone/poly(vinylidene fluoride) films. <i>Polymer</i> , 2014 , 55, 8-14	3.9	91
204	Nanotailored Crystalline Morphology in Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Macromolecules</i> , 2002 , 35, 3553-3562	5.5	84
203	Understanding polymorphism formation in electrospun fibers of immiscible Poly(vinylidene fluoride) blends. <i>Polymer</i> , 2011 , 52, 2228-2237	3.9	83
202	Investigation of post-spinning stretching process on morphological, structural, and mechanical properties of electrospun polyacrylonitrile copolymer nanofibers. <i>Polymer</i> , 2011 , 52, 519-528	3.9	82
201	Folate-functionalized unimolecular micelles based on a degradable amphiphilic dendrimer-like star polymer for cancer cell-targeted drug delivery. <i>Biomacromolecules</i> , 2011 , 12, 2697-707	6.9	81
200	Efficient Synthesis of Unimolecular Polymeric Janus Nanoparticles and Their Unique Self-Assembly Behavior in a Common Solvent. <i>Macromolecules</i> , 2008 , 41, 8159-8166	5.5	80

199	High-Temperature and High-Energy-Density Dipolar Glass Polymers Based on Sulfonylated Poly(2,6-dimethyl-1,4-phenylene oxide). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1528-1531	16.4	79
198	Relaxor Ferroelectric Behavior from Strong Physical Pinning in a Poly(vinylidene fluoride-co-trifluoroethylene-co-chlorotrifluoroethylene) Random Terpolymer. <i>Macromolecules</i> , 2014 , 47, 8119-8125	5.5	79
197	Nanoscale phase separation in mixed poly(tert-butyl acrylate)/polystyrene brushes on silica nanoparticles under equilibrium melt conditions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4574-5	16.4	75
196	Comparison of crystallization kinetics in various nanoconfined geometries. <i>Polymer</i> , 2004 , 45, 2931-2939	3.9	71
195	Hydrogen Bond-Assisted Supramolecular Self-Assembly of Doubly Discotic Supermolecules Based on Porphyrin and Triphenylene. <i>Chemistry of Materials</i> , 2010 , 22, 197-206	9.6	69
194	Effect of biaxial orientation on dielectric and breakdown properties of poly(ethylene terephthalate)/poly(vinylidene fluoride-co-tetrafluoroethylene) multilayer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 882-896	2.6	67
193	Microphase Separation of High Grafting Density Asymmetric Mixed Homopolymer Brushes on Silica Particles. <i>Macromolecules</i> , 2010 , 43, 8209-8217	5.5	67
192	Fast discharge speed in poly(vinylidene fluoride) graft copolymer dielectric films achieved by confined ferroelectricity. <i>Applied Physics Letters</i> , 2009 , 94, 052907	3.4	67
191	Enhanced dielectric properties due to space charge-induced interfacial polarization in multilayer polymer films. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10417-10426	7.1	66
190	Synthesis and Unimolecular Micelles of Amphiphilic Dendrimer-like Star Polymer with Various Functional Surface Groups. <i>Macromolecules</i> , 2011 , 44, 1500-1512	5.5	66
189	Synthesis and characterization of high nitrile content polyimides as dielectric films for electrical energy storage. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 422-436	2.5	64
188	Effects of Interphase Modification and Biaxial Orientation on Dielectric Properties of Poly(ethylene terephthalate)/Poly(vinylidene fluoride-co-hexafluoropropylene) Multilayer Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13555-66	9.5	64
187	Intrinsic polymer dielectrics for high energy density and low loss electric energy storage. <i>Progress in Polymer Science</i> , 2020 , 106, 101254	29.6	63
186	Enhancing electrical energy storage using polar polyimides with nitrile groups directly attached to the main chain. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20683-20696	13	62
185	Self-assembled Supra-molecular Structures via Hydrogen Bonding and Aromatic/Aliphatic Microphase Separation on Different Length Scales in Symmetric-Tapered Bisamides. <i>Chemistry of Materials</i> , 2004 , 16, 1014-1025	9.6	62
184	Crystal Orientation and Temperature Effects on Double Hysteresis Loop Behavior in a Poly(vinylidene fluoride-co-trifluoroethylene-co-chlorotrifluoroethylene)-graft-Polystyrene Graft Copolymer. <i>Macromolecules</i> , 2013 , 46, 9698-9711	5.5	61
183	Dislocation-controlled perforated layer phase in a PEO- b-PS diblock copolymer. <i>Physical Review Letters</i> , 2001 , 86, 6030-3	7.4	61
182	Self-Stratified Antimicrobial Acrylic Coatings via One-Step UV Curing. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18467-72	9.5	59

181	Interphase/interface modification on the dielectric properties of polycarbonate/poly(vinylidene fluoride-co-hexafluoropropylene) multilayer films for high-energy density capacitors. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 978-991	2.6	59
180	Polymer Mortar Assisted Self-Assembly of Nanocrystalline Polydiacetylene Bricks Showing Reversible Thermochromism. <i>Macromolecules</i> , 2008 , 41, 2299-2303	5.5	59
179	Self-Assembly and Chain-Folding in Hybrid Coil-Coil-Cube Triblock Oligomers of Polyethylene-b-Poly(ethylene oxide)-b-Polyhedral Oligomeric Silsesquioxane. <i>Macromolecules</i> , 2007 , 40, 5460-5470	5.5	58
178	Supramolecular Self-Assembly in a Disk-Cube Dyad Molecule Based on Triphenylene and Polyhedral Oligomeric Silsesquioxane (POSS). <i>Chemistry of Materials</i> , 2006 , 18, 3503-3512	9.6	57
177	Transmission electron microscopy study of solvent-induced phase morphologies of environmentally responsive mixed homopolymer brushes on silica particles. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11529-36	3.4	56
176	Macroscopic highly aligned DNA nanowires created by controlled evaporative self-assembly. <i>ACS Nano</i> , 2013 , 7, 4326-33	16.7	55
175	Novel Surfactant-Free Stable Colloidal Nanoparticles Made of Randomly Carboxylated Polystyrene Ionomers. <i>Macromolecules</i> , 1997 , 30, 2201-2203	5.5	54
174	Plastic Deformation Mechanism and Phase Transformation in a Shear-Induced Metastable Hexagonally Perforated Layer Phase of a Polystyrene-b-poly(ethylene oxide) Diblock Copolymer. <i>Macromolecules</i> , 2003 , 36, 3180-3188	5.5	54
173	Polar-fluoropolymer blends with tailored nanostructures for high energy density low loss capacitor applications. <i>Applied Physics Letters</i> , 2011 , 99, 132901	3.4	52
172	Layer confinement effect on charge migration in polycarbonate/poly(vinylidene fluoride-co-hexafluoropropylene) multilayered films. <i>Journal of Applied Physics</i> , 2012 , 111, 113702	2.5	52
171	Evolution of Phase Morphology of Mixed Poly(tert-butyl acrylate)/Polystyrene Brushes Grafted on Silica Particles with the Change of Chain Length Disparity. <i>Macromolecules</i> , 2010 , 43, 5387-5395	5.5	50
170	Nanoconfined Polymer Crystallization in the Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Advanced Materials</i> , 2002 , 14, 31-34	24	50
169	Role of ion-dipole interactions in nucleation of gamma poly(vinylidene fluoride) in the presence of graphene oxide during melt crystallization. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 14951-60	3.4	49
168	Synthesis of Sulfonic Acid-Containing Polybenzoxazine for Proton Exchange Membrane in Direct Methanol Fuel Cells. <i>Macromolecules</i> , 2014 , 47, 1039-1045	5.5	47
167	Enhanced Thermal Conductivity of Segregated Poly(vinylidene Fluoride) Composites via Forming Hybrid Conductive Network of Boron Nitride and Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10391-10397	3.9	47
166	High Dielectric Constant Sulfonyl-Containing Dipolar Glass Polymers with Enhanced Orientational Polarization. <i>Macromolecules</i> , 2018 , 51, 6257-6266	5.5	45
165	Effect of Overall Grafting Density on Microphase Separation of Mixed Homopolymer Brushes Synthesized from Y-Initiator-Functionalized Silica Particles. <i>Macromolecules</i> , 2012 , 45, 8027-8036	5.5	44
164	Nanodroplet formation and exclusive homogenously nucleated crystallization in confined electrospun immiscible polymer blend fibers of polystyrene and poly(ethylene oxide). <i>Polymer</i> , 2011 , 52, 5397-5402	3.9	44

163	Facile Synthesis of Two-Dimensional Iron/Cobalt Metal-Organic Framework for Efficient Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12097-12102	16.4	44
162	High-Tpolymers of intrinsic microporosity: a new class of high temperature and low loss dielectrics for printed electronics. <i>Materials Horizons</i> , 2020 , 7, 592-597	14.4	43
161	Enhanced thermal conductivity of polyethylene/boron nitride multilayer sheets through annealing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 135-143	8.4	42
160	Self-assembling semicrystalline polymer into highly ordered, microscopic concentric rings by evaporation. <i>Langmuir</i> , 2008 , 24, 3525-31	4	42
159	Spacer Length Controlled Oblique-Columnar to Lamello-Columnar Mesophase Transition in Liquid Crystalline DNA-Discotic Cationic Lipid Complexes. <i>Macromolecules</i> , 2006 , 39, 2536-2545	5.5	41
158	Unified Understanding of Ferroelectricity in n-Nylons: Is the Polar Crystalline Structure a Prerequisite?. <i>Macromolecules</i> , 2016 , 49, 3070-3082	5.5	41
157	Robust, Transparent, and Superhydrophobic Coating Fabricated with Waterborne Polyurethane and Inorganic Nanoparticle Composites. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8050-8060	3.9	39
156	Ferroelectric behavior in the high temperature paraelectric phase in a poly(vinylidene fluoride-co-trifluoroethylene) random copolymer. <i>Polymer</i> , 2012 , 53, 728-739	3.9	39
155	Achieving high electric energy storage in a polymer nanocomposite at low filling ratios using a highly polarizable phthalocyanine interphase. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1669-1680	2.6	39
154	Truncated Wedge-Shaped Nanostructures Formed from Lateral Microphase Separation of Mixed Homopolymer Brushes Grafted on 67 nm Silica Nanoparticles: Evidence of the Effect of Substrate Curvature. <i>ACS Macro Letters</i> , 2012 , 1, 1061-1065	6.6	39
153	Understanding Nonlinear Dielectric Properties in a Biaxially Oriented Poly(vinylidene fluoride) Film at Both Low and High Electric Fields. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 455-65	9.5	37
152	Composite Poly(vinylidene fluoride)/Polystyrene Latex Particles for Confined Crystallization in 180 nm Nanospheres via Emulsifier-Free Batch Seeded Emulsion Polymerization. <i>Macromolecules</i> , 2014 , 47, 2632-2644	5.5	37
151	Synthesis and in vitro cancer cell targeting of folate-functionalized biodegradable amphiphilic dendrimer-like star polymers. <i>Biomacromolecules</i> , 2010 , 11, 3680-7	6.9	37
150	Multilayered polycarbonate/poly(vinylidene fluoride-co-hexafluoropropylene) for high energy density capacitors with enhanced lifetime. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 993-1003	2.6	36
149	High Dielectric Constant Polycarbonate/Nylon Multilayer Films Capacitors with Self-Healing Capability. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 867-875	4.3	35
148	Polymorphic Extended-Chain and Folded-Chain Crystals in Poly(vinylidene fluoride) Achieved by Combination of High Pressure and Ion-Dipole Interaction. <i>Macromolecules</i> , 2015 , 48, 8565-8573	5.5	35
147	Highly Anisotropic, Thermally Conductive, and Mechanically Strong Polymer Composites with Nacre-like Structure for Thermal Management Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3312-3320	5.6	35
146	High-Temperature and High-Energy-Density Dipolar Glass Polymers Based on Sulfonylated Poly(2,6-dimethyl-1,4-phenylene oxide). <i>Angewandte Chemie</i> , 2018 , 130, 1544-1547	3.6	34

145	Surface nucleation-induced fluoropolymer Janus nanoparticles via emulsifier-free batch-seeded emulsion polymerization. <i>Soft Matter</i> , 2011 , 7, 11187	3.6	34
144	Topology controlled supramolecular self-assembly of octa triphenylene-substituted polyhedral oligomeric silsesquioxane hybrid supermolecules. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1879-87	3.4	34
143	Core-Shell Reversion of Hybrid Polymeric Micelles Containing Gold Nanoparticles in the Core. <i>Macromolecules</i> , 2007 , 40, 2134-2140	5.5	34
142	Effect of Molecular Weight on Lateral Microphase Separation of Mixed Homopolymer Brushes Grafted on Silica Particles. <i>Macromolecules</i> , 2014 , 47, 6824-6835	5.5	33
141	Direct Visualization of Three-Dimensional Morphology in Hierarchically Self-Assembled Mixed Poly(tert-butyl acrylate)/Polystyrene Brush-Grafted Silica Nanoparticles. <i>Macromolecules</i> , 2013 , 46, 6575-6584	5.5	33
140	Neural responses to unfairness and fairness depend on self-contribution to the income. <i>Social Cognitive and Affective Neuroscience</i> , 2014 , 9, 1498-505	4	32
139	Using Self-Assembly To Prepare Multifunctional Diblock Copolymers Containing Azopyridine Moiety. <i>Macromolecules</i> , 2005 , 38, 2076-2084	5.5	32
138	Reduction of Ionic Conduction Loss in Multilayer Dielectric Films by Immobilizing Impurity Ions in High Glass Transition Temperature Polymer Layers. <i>ACS Applied Energy Materials</i> , 2018 , 1, 775-782	6.1	30
137	Synthesis and Characterization of Azadipyrromethene-alt-p-Phenylene Ethynylene Conjugated Polymers and Their Chelates. <i>Macromolecules</i> , 2012 , 45, 7404-7412	5.5	30
136	Mixed homopolymer brushes grafted onto a nanosphere. <i>Journal of Chemical Physics</i> , 2011 , 134, 134903	3.9	29
135	Dipole correlation effects on the local field and the effective dielectric constant in composite dielectrics containing high-k inclusions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19103-17	3.6	28
134	Pathway-Dependent Melting in a Low-Molecular-Weight Polyethylene-block-Poly(ethylene oxide) Diblock Copolymer. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 853-857	4.8	28
133	Size effect of metastable states on semicrystalline polymer structures and morphologies. <i>Thermochimica Acta</i> , 1999 , 332, 105-113	2.9	28
132	The Role of Field Electron Emission in Polypropylene/Aluminum Nanodielectrics Under High Electric Fields. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10106-10119	9.5	27
131	Multiple stage crystallization of gamma phase poly(vinylidene fluoride) induced by ion-dipole interaction as revealed by time-resolved FTIR and two-dimensional correlation analysis. <i>Polymer</i> , 2014 , 55, 4765-4775	3.9	27
130	Intermacromolecular complexation because of specific interactions 11. Ionic interaction complexation and its comparison with hydrogen-bonding complexation. <i>Polymer</i> , 2001 , 42, 151-159	3.9	27
129	Enhanced piezoelectricity from highly polarizable oriented amorphous fractions in biaxially oriented poly(vinylidene fluoride) with pure crystals. <i>Nature Communications</i> , 2021 , 12, 675	17.4	27
128	High Dielectric Constant Semiconducting Poly(3-alkylthiophene)s from Side Chain Modification with Polar Sulfinyl and Sulfonyl Groups. <i>Macromolecules</i> , 2018 , 51, 9368-9381	5.5	27

127	Selective detection of metal ions based on nanocrystalline ionochromic polydiacetylene. <i>Polymer</i> , 2013 , 54, 743-749	3.9	26
126	Deliberately designed processes to physically tether the carboxyl groups of poly(pentacosadiynoic acid) to a poly(vinyl alcohol) glassy matrix to make poly(pentacosadiynoic acid) thermochromically reversible in the matrix. <i>Langmuir</i> , 2011 , 27, 6651-60	4	26
125	Synthesis and Characterization of Silicon-Containing Block Copolymers from Nitroxide-Mediated Living Free Radical Polymerization. <i>Macromolecules</i> , 2005 , 38, 263-270	5.5	26
124	Lamellar to inverted hexagonal mesophase transition in DNA complexes with calamitic, discotic, and cubic shaped cationic lipids. <i>Langmuir</i> , 2006 , 22, 5982-5	4	26
123	Evolution of nanodroplets and fractionated crystallization in thermally annealed electrospun blend fibers of poly(vinylidene fluoride) and polysulfone. <i>Polymer</i> , 2012 , 53, 4472-4480	3.9	25
122	Single fibre enables acoustic fabrics via nanometre-scale vibrations.. <i>Nature</i> , 2022 ,	50.4	25
121	Can Relaxor Ferroelectric Behavior Be Realized for Poly(vinylidene fluoride-co-chlorotrifluoroethylene) [P(VDF Cl TFE)] Random Copolymers by Inclusion of CTFE Units in PVDF Crystals?. <i>Macromolecules</i> , 2018 , 51, 5460-5472	5.5	24
120	The effect of strain-hardening on the morphology and mechanical and dielectric properties of multi-layered PP foam/PP film. <i>Polymer</i> , 2015 , 70, 173-182	3.9	23
119	Segmental dynamics and the correlation length in nanoconfined PMMA. <i>Polymer</i> , 2016 , 88, 133-136	3.9	23
118	Conformation transformation determined by different self-assembled phases in a DNA complex with cationic polyhedral oligomeric silsesquioxane lipid. <i>ACS Nano</i> , 2008 , 2, 921-7	16.7	23
117	Thermal analysis: the next two decades. <i>Thermochimica Acta</i> , 2000 , 355, 59-68	2.9	23
116	Intermacromolecular complexation due to specific interactions. 7. Miscibility and complexation between poly(styrene-co-4-vinyl benzoic acid) and poly[n-butyl methacrylate-co-(4-vinylpyridine)]. <i>Journal of Macromolecular Science - Physics</i> , 1998 , 37, 827-839	1.4	23
115	Stretching-Induced Relaxor Ferroelectric Behavior in a Poly(vinylidene fluoride-co-trifluoroethylene-co-hexafluoropropylene) Random Terpolymer. <i>Macromolecules</i> , 2017 , 50, 7646-7656	5.5	22
114	In Situ Characterization of Binary Mixed Polymer Brush-Grafted Silica Nanoparticles in Aqueous and Organic Solvents by Cryo-Electron Tomography. <i>Langmuir</i> , 2015 , 31, 8680-8	4	22
113	Flat-On Secondary Crystals as Effective Blocks To Reduce Ionic Conduction Loss in Polysulfone/Poly(vinylidene fluoride) Multilayer Dielectric Films. <i>Macromolecules</i> , 2018 , 51, 5019-5026	5.5	22
112	Understanding the Paraelectric Double Hysteresis Loop Behavior in Mesomorphic Even-Numbered Nylons at High Temperatures. <i>Macromolecules</i> , 2017 , 50, 5816-5829	5.5	22
111	A simulation study of the electrostriction effects in dielectric elastomer composites containing polarizable inclusions with different spatial distributions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32479-97	3.6	22
110	Intermacromolecular complexation due to specific interactions. 6. Miscibility and complexation between Poly{Styrene-co-[p-(2-Hydroxypropan-2-yl)Styrene]}and poly[n-butyl Methacrylate-co-(4-vinylpyridine)]. <i>Journal of Macromolecular Science - Physics</i> , 1998 , 37, 805-826	1.4	22

109	Morphological effects on dielectric properties of poly(vinylidene fluoride-co-hexafluoropropylene) blends and multilayer films. <i>Polymer</i> , 2019 , 172, 221-230	3.9	21
108	Binary mixed homopolymer brushes grafted on nanorod particles: a self-consistent field theory study. <i>Journal of Chemical Physics</i> , 2013 , 139, 214902	3.9	21
107	Challenges and Opportunities of Polymer Nanodielectrics for Capacitive Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37939-37960	9.5	21
106	Intriguing Morphology Evolution from Noncrosslinked Poly(tert-butyl acrylate) Seeds with Polar Functional Groups in Soap-Free Emulsion Polymerization of Styrene. <i>Langmuir</i> , 2016 , 32, 7829-40	4	20
105	Polymer multilayer films for high temperature capacitor application. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47535	2.9	20
104	Highly Stable Reduced Graphene Oxide Wrapped Black Phosphorus Heterostructure with Superior Photocatalytic Performance under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20035-20043 ⁹⁵	9.5	20
103	Columnar liquid crystalline assembly of doubly discotic supermolecules based on tetra-triphenylene-substituted phthalocyanine. <i>Soft Matter</i> , 2010 , 6, 2072	3.6	19
102	Self-Assembly of Heteroarms Core-Shell Polymeric Nanoparticles (HCPNs) and Templated Synthesis of Gold Nanoparticles within HCPNs and the Superparticles. <i>Macromolecules</i> , 2009 , 42, 7108-7113 ⁵⁵	5.5	19
101	Morphology of PI _n EO block copolymers for lithium batteries. <i>Polymer</i> , 2006 , 47, 6149-6155	3.9	19
100	Self-Assembled Colloidal Particle Clusters from In Situ Pickering-Like Emulsion Polymerization via Single Electron Transfer Mechanism. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1282-7	4.8	19
99	Nonspherical nanoparticles with controlled morphologies via seeded surface-initiated single electron transfer radical polymerization in soap-free emulsion. <i>Langmuir</i> , 2015 , 31, 4087-95	4	18
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