

Timothy P Lodge

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.

312
papers

19,909
citations

70
h-index

130
g-index

329
ext. papers

21,661
ext. citations

6.4
avg, IF

7.26
L-index

#	Paper	IF	Citations
312	Temperature Dependence of Chain Conformations and Fibril Formation in Solutions of Poly(N-isopropylacrylamide)-Grafted Methylcellulose. <i>Macromolecules</i> , 2022 , 55, 550-558	5.5	
311	Synthesis and Micellization of Bottlebrush Poloxamers.. <i>ACS Macro Letters</i> , 2022 , 11, 460-467	6.6	1
310	Free Energy Trajectory for Escape of a Single Chain from a Diblock Copolymer Micelle.. <i>ACS Macro Letters</i> , 2021 , 10, 1570-1575	6.6	1
309	Phase Behavior of Diblock Copolymer/Homopolymer Ternary Blends with a Compositionally Asymmetric Diblock Copolymer. <i>Macromolecules</i> , 2021 , 54, 460-472	5.5	5
308	Quasicrystals and Their Approximants in a Crystalline/Amorphous Diblock Copolymer. <i>Macromolecules</i> , 2021 , 54, 2647-2660	5.5	11
307	Reevaluation of Poly(ethylene--propylene)--Polydimethylsiloxane Phase Behavior Uncovers Topological Close-Packing and Epitaxial Quasicrystal Growth. <i>ACS Nano</i> , 2021 , 15, 9453-9468	16.7	4
306	Recent developments in centrifugally spun composite fibers and their performance as anode materials for lithium-ion and sodium-ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 266, 115024	3.1	7
305	Development of a PointNet for Detecting Morphologies of Self-Assembled Block Oligomers in Atomistic Simulations. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 5275-5284	3.4	1
304	Molecular Weight Dependence of Block Copolymer Micelle Fragmentation Kinetics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7748-7758	16.4	4
303	Methyl cellulose solutions and gels: fibril formation and gelation properties. <i>Progress in Polymer Science</i> , 2021 , 112, 101324	29.6	13
302	Effects of Electrolytes on Thermodynamics and Structure of Oligo(ethylene oxide)/Salt Solutions and Liquid/Liquid Equilibria of a Squalane/Tetraethylene Glycol Dimethyl Ether Blend. <i>Macromolecules</i> , 2021 , 54, 1120-1136	5.5	1
301	Salt-Dependent Structure in Methylcellulose Fibrillar Gels. <i>Macromolecules</i> , 2021 , 54, 2090-2100	5.5	1
300	Performance and morphology of centrifugally spun Co ₃ O ₄ /C composite fibers for anode materials in lithium-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 16010-16027	4.3	3
299	Complex Phase Behavior in Particle-Forming AB/AB? Diblock Copolymer Blends with Variable Core Block Lengths. <i>Macromolecules</i> , 2021 , 54, 7088-7101	5.5	6
298	Influence of Charge Fraction on the Phase Behavior of Symmetric Single-Ion Conducting Diblock Copolymers.. <i>ACS Macro Letters</i> , 2021 , 10, 1035-1040	6.6	2
297	Phase Behavior of Salt-Doped A/B/AB Ternary Polymer Blends: The Role of Homopolymer Distribution. <i>Macromolecules</i> , 2021 , 54, 6990-7002	5.5	1
296	Centrifugally spun carbon fibers prepared from aqueous poly(vinylpyrrolidone) solutions as binder-free anodes in lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50396	2.9	3

295	Direct Observation of Micelle Fragmentation via In Situ Liquid-Phase Transmission Electron Microscopy. <i>ACS Macro Letters</i> , 2020 , 9, 756-761	6.6	16
294	From Order to Disorder: Computational Design of Triblock Amphiphiles with 1 nm Domains. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9352-9362	16.4	7
293	Influence of the Headgroup on the Interaction of Poly(ethylene oxide)-Poly(propylene oxide) Block Copolymers with Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 2417-2424	3.4	5
292	The Use of Succinonitrile as an Electrolyte Additive for Composite-Fiber Membranes in Lithium-Ion Batteries. <i>Membranes</i> , 2020 , 10,	3.8	2
291	Emergence of a C15 Laves Phase in Diblock Polymer/Homopolymer Blends. <i>ACS Macro Letters</i> , 2020 , 9, 576-582	6.6	34
290	Block Copolymers: Long-Term Growth with Added Value. <i>Macromolecules</i> , 2020 , 53, 2-4	5.5	21
289	Dilute Solution Properties of Poly(benzyl methacrylate) in Ionic Liquids. <i>Macromolecules</i> , 2020 , 53, 885-894	5.4	5
288	A15, Δ and a Quasicrystal: Access to Complex Particle Packings via Bidisperse Diblock Copolymer Blends. <i>ACS Macro Letters</i> , 2020 , 9, 197-203	6.6	39
287	Solid-Contact Ion-Selective and Reference Electrodes Covalently Attached to Functionalized Poly(ethylene terephthalate). <i>Analytical Chemistry</i> , 2020 , 92, 7621-7629	7.8	10
286	Spatial Distribution of PEO-PPO-PEO Block Copolymer and PEO Homopolymer in Lipid Bilayers. <i>Langmuir</i> , 2020 , 36, 3393-3403	4	4
285	Microfluidic filament thinning of aqueous, fibrillar methylcellulose solutions. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	2
284	Grain Growth and Coarsening Dynamics in a Compositionally Asymmetric Block Copolymer Revealed by X-ray Photon Correlation Spectroscopy. <i>Macromolecules</i> , 2020 , 53, 8233-8243	5.5	3
283	Internal Structure of Methylcellulose Fibrils. <i>Macromolecules</i> , 2020 , 53, 398-405	5.5	12
282	Effect of Solvent Selectivity on Chain Exchange Kinetics in Block Copolymer Micelles. <i>Macromolecules</i> , 2020 , 53, 417-426	5.5	10
281	Role of Polymer Excipients in the Kinetic Stabilization of Drug-Rich Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7243-7254	4.1	5
280	Hydrogenolysis of Linear Low-Density Polyethylene during Heterogeneous Catalytic Hydrogen/Deuterium Exchange. <i>Macromolecules</i> , 2020 , 53, 6043-6055	5.5	6
279	Influence of Added Salt on Chain Conformations in Poly(ethylene oxide) Melts: SANS Analysis with Complications. <i>Macromolecules</i> , 2020 , 53, 7141-7149	5.5	13
278	Hybridization of a Bimodal Distribution of Copolymer Micelles. <i>Macromolecules</i> , 2020 , 53, 7705-7716	5.5	6

277	Preparation of Inorganic/Organic Double-Network Ion Gels Using a Cross-Linkable Polymer in an Open System. <i>Macromolecules</i> , 2020 , 53, 8529-8538	5.5	4
276	Formation of a C15 Laves Phase with a Giant Unit Cell in Salt-Doped A/B/AB Ternary Polymer Blends. <i>ACS Nano</i> , 2020 , 14, 13754-13764	16.7	14
275	Sub-3 V ZnO Electrolyte-Gated Transistors and Circuits with Screen-Printed and Photo-Crosslinked Ion Gel Gate Dielectrics: New Routes to Improved Performance. <i>Advanced Functional Materials</i> , 2020 , 30, 1902028	15.6	28
274	Centrifugally Spun Fe ₂ O ₃ /TiO ₂ /Carbon Composite Fibers as Anode Materials for Lithium-Ion Batteries. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4032	2.6	15
273	Recent Advances in Understanding the Micro- and Nanoscale Phenomena of Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2019 , 16, 4089-4103	5.6	28
272	Fragmentation of 1,2-Polybutadiene-block-Poly(ethylene oxide) Micelles in Imidazolium-Based Ionic Liquids. <i>Macromolecules</i> , 2019 , 52, 7089-7101	5.5	5
271	Polycation Architecture and Assembly Direct Successful Gene Delivery: Micelleplexes Outperform Polyplexes via Optimal DNA Packaging. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15804-15817	16.4	40
270	More than a Liquid Junction: Effect of Stirring, Flow Rate, and Inward and Outward Electrolyte Diffusion on Reference Electrodes with Salt Bridges Contained in Nanoporous Glass. <i>Analytical Chemistry</i> , 2019 , 91, 7698-7704	7.8	5
269	Synthesis, Simulation, and Self-Assembly of a Model Amphiphile To Push the Limits of Block Polymer Nanopatterning. <i>Nano Letters</i> , 2019 , 19, 4458-4462	11.5	14
268	Micellization of Binary Diblock Co-polymer Mixtures in an Ionic Liquid. <i>Macromolecules</i> , 2019 , 52, 4729-4738	5.3	8
267	Influence of Cholesterol and Bilayer Curvature on the Interaction of PPO-PEO Block Copolymers with Liposomes. <i>Langmuir</i> , 2019 , 35, 7231-7241	4	7
266	Superlattice by charged block copolymer self-assembly. <i>Nature Communications</i> , 2019 , 10, 2108	17.4	30
265	Cardiac Muscle Membrane Stabilization in Myocardial Reperfusion Injury. <i>JACC Basic To Translational Science</i> , 2019 , 4, 275-287	8.7	12
264	Photoreversible Order/Disorder Transition in an Ionic Liquid Solvated Block Polymer. <i>ACS Macro Letters</i> , 2019 , 8, 393-398	6.6	11
263	Effect of Ionic Liquid Components on the Coil Dimensions of PEO. <i>Macromolecules</i> , 2019 , 52, 3123-3130	5.5	13
262	The effect of light penetration depth on the LCST phase behavior of a thermo- and photoresponsive statistical copolymer in an ionic liquid. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 281-287	2.5	7
261	Bicontinuous Microemulsions in Partially Charged Ternary Polymer Blends. <i>ACS Macro Letters</i> , 2019 , 8, 1166-1171	6.6	12
260	Properties of Chemically Cross-Linked Methylcellulose Gels. <i>Macromolecules</i> , 2019 , 52, 7740-7748	5.5	6

259	Block Polymer Micelles Enable CRISPR/Cas9 Ribonucleoprotein Delivery: Physicochemical Properties Affect Packaging Mechanisms and Gene Editing Efficiency. <i>Macromolecules</i> , 2019 , 52, 8197-8206	5.5	28
258	Effect of Ion Concentration on the Formation of Bicontinuous Microemulsions in Partially Charged Ternary Polymer Blends. <i>Macromolecules</i> , 2019 , 52, 9416-9424	5.5	3
257	Structure and Properties of Bicontinuous Microemulsions from Salt-Doped Ternary Polymer Blends. <i>Macromolecules</i> , 2019 , 52, 9693-9702	5.5	21
256	Polymer Nanogels as Reservoirs To Inhibit Hydrophobic Drug Crystallization. <i>ACS Nano</i> , 2019 , 13, 1232-1243	6.7	17
255	Structures and Protonation States of Hydrophilic-Cationic Diblock Copolymers and Their Binding with Plasmid DNA. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 2449-2461	3.4	10
254	Extensional Flow Behavior of Methylcellulose Solutions Containing Fibrils. <i>ACS Macro Letters</i> , 2018 , 7, 347-352	6.6	18
253	Gelation, Phase Separation, and Fibril Formation in Aqueous Hydroxypropylmethylcellulose Solutions. <i>Biomacromolecules</i> , 2018 , 19, 816-824	6.9	24
252	Computational Design of High-Block Oligomers for Accessing 1 nm Domains. <i>ACS Nano</i> , 2018 , 12, 4351-4361	4.6	18
251	Poly(alkyl methacrylate)-Grafted Polyolefins as Viscosity Modifiers for Engine Oil: A New Mechanism for Improved Performance. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1840-1850	3.9	11
250	Complexation of DNA with Cationic Copolymer Micelles: Effects of DNA Length and Topology. <i>Macromolecules</i> , 2018 , 51, 1150-1160	5.5	22
249	Phase Behavior of Binary Polymer Blends Doped with Salt. <i>Macromolecules</i> , 2018 , 51, 266-274	5.5	22
248	Maintaining Hydrophobic Drug Supersaturation in a Micelle Corona Reservoir. <i>Macromolecules</i> , 2018 , 51, 540-551	5.5	31
247	Effect of Corona Block Length on the Structure and Chain Exchange Kinetics of Block Copolymer Micelles. <i>Macromolecules</i> , 2018 , 51, 3563-3571	5.5	23
246	Exchange Kinetics for a Single Block Copolymer in Micelles of Two Different Sizes. <i>Macromolecules</i> , 2018 , 51, 2312-2320	5.5	22
245	Toughening polylactide with a catalyzed epoxy-acid interfacial reaction. <i>Polymer Engineering and Science</i> , 2018 , 58, 28-36	2.3	3
244	Preparation, Characterization, and Formulation Development of Drug-Drug Protic Ionic Liquids of Diphenhydramine with Ibuprofen and Naproxen. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4190-4201	5.6	26
243	Precisely Tunable Sol-Gel Transition Temperature by Blending Thermoresponsive ABC Triblock Terpolymers. <i>ACS Macro Letters</i> , 2018 , 7, 950-955	6.6	17
242	¹⁹ F Magnetic Resonance Imaging of Injectable Polymeric Implants with Multiresponsive Behavior. <i>Chemistry of Materials</i> , 2018 , 30, 4892-4896	9.6	19

241	Understanding the Molecular Weight Dependence of χ and the Effect of Dispersity on Polymer Blend Phase Diagrams. <i>Macromolecules</i> , 2018 , 51, 3774-3787	5.5	13
240	Packaging pDNA by Polymeric ABC Micelles Simultaneously Achieves Colloidal Stability and Structural Control. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11101-11111	16.4	26
239	Role of Chain Length in the Formation of Frank-Kasper Phases in Diblock Copolymers. <i>Physical Review Letters</i> , 2018 , 121, 208002	7.4	26
238	Effect of Poly(ethylene glycol) Grafting Density on Methylcellulose Fibril Formation. <i>Macromolecules</i> , 2018 , 51, 9413-9421	5.5	20
237	A new framework for X-ray photon correlation spectroscopy analysis from polycrystalline materials. <i>Review of Scientific Instruments</i> , 2018 , 89, 123902	1.7	3
236	Dynamics of a Supercooled Disordered Sphere-Forming Diblock Copolymer as Determined by X-ray Photon Correlation and Dynamic Mechanical Spectroscopies. <i>ACS Macro Letters</i> , 2018 , 7, 1486-1491	6.6	5
235	Molecular Weight Dependence of Methylcellulose Fibrillar Networks. <i>Macromolecules</i> , 2018 , 51, 7767-7775	5.5	24
234	Surface Plasmon Resonance Study of the Binding of PEO-PPO-PEO Triblock Copolymer and PEO Homopolymer to Supported Lipid Bilayers. <i>Langmuir</i> , 2018 , 34, 6703-6712	4	13
233	2-Hydroxyethylcellulose and Amphiphilic Block Polymer Conjugates Form Mechanically Tunable and Nonswellable Hydrogels. <i>ACS Macro Letters</i> , 2017 , 6, 145-149	6.6	23
232	Impact of Polymer Excipient Molar Mass and End Groups on Hydrophobic Drug Solubility Enhancement. <i>Macromolecules</i> , 2017 , 50, 1102-1112	5.5	34
231	Complexation between DNA and Hydrophilic-Cationic Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 2230-2243	3.4	7
230	Enhanced Performance of Blended Polymer Excipients in Delivering a Hydrophobic Drug through the Synergistic Action of Micelles and HPMCAS. <i>Langmuir</i> , 2017 , 33, 2837-2848	4	35
229	One-pot synthesis of reactive oxygen species (ROS)-self-immolative polyoxalate prodrug nanoparticles for hormone dependent cancer therapy with minimized side effects. <i>Polymer Chemistry</i> , 2017 , 8, 1999-2004	4.9	18
228	Direct Observation of Nanostructures during Aqueous Dissolution of Polymer/Drug Particles. <i>Macromolecules</i> , 2017 , 50, 3143-3152	5.5	22
227	Robust Polymer Electrolyte Membranes with High Ambient-Temperature Lithium-Ion Conductivity via Polymerization-Induced Microphase Separation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14561-14565	9.5	65
226	Molecular Alignment in Polyethylene during Cold Drawing Using In-Situ SANS and Raman Spectroscopy. <i>Macromolecules</i> , 2017 , 50, 3627-3636	5.5	26
225	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , 2017 , 94, 1629-1638	2.4	25
224	Equilibration of Micelle-Polyelectrolyte Complexes: Mechanistic Differences between Static and Annealed Charge Distributions. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4631-4641	3.4	9

223	Chemical End Group Modified Diblock Copolymers Elucidate Anchor and Chain Mechanism of Membrane Stabilization. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2333-2339	5.6	18
222	Quantifying Binding of Ethylene Oxide-Propylene Oxide Block Copolymers with Lipid Bilayers. <i>Langmuir</i> , 2017 , 33, 12624-12634	4	22
221	Coil Dimensions of Poly(ethylene oxide) in an Ionic Liquid by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2017 , 50, 8739-8744	5.5	20
220	Conformation of Methylcellulose as a Function of Poly(ethylene glycol) Graft Density. <i>ACS Macro Letters</i> , 2017 , 6, 1274-1279	6.6	19
219	Self-Supporting, Hydrophobic, Ionic Liquid-Based Reference Electrodes Prepared by Polymerization-Induced Microphase Separation. <i>ACS Sensors</i> , 2017 , 2, 1498-1504	9.2	14
218	Effect of Branching and Molecular Weight on Heterogeneous Catalytic Deuterium Exchange in Polyolefins. <i>Macromolecules</i> , 2017 , 50, 6849-6860	5.5	10
217	Printable, Degradable, and Biocompatible Ion Gels from a Renewable ABA Triblock Polyester and a Low Toxicity Ionic Liquid. <i>ACS Macro Letters</i> , 2017 , 6, 1083-1088	6.6	32
216	Chain Exchange Kinetics of Asymmetric B1AB2 Linear Triblock and AB1B2 Branched Triblock Copolymers. <i>Macromolecules</i> , 2017 , 50, 6303-6313	5.5	10
215	In Situ Production of Graphene-Fiber Hybrid Structures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25474-25480	9.5	11
214	Complexation of Linear DNA and Poly(styrenesulfonate) with Cationic Copolymer Micelles: Effect of Polyanion Flexibility. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6708-6720	3.4	10
213	Structure, viscoelasticity, and interfacial dynamics of a model polymeric bicontinuous microemulsion. <i>Soft Matter</i> , 2016 , 12, 53-66	3.6	40
212	Architecture-Dependent Stabilization of Polyelectrolyte Complexes between Polyanions and Cationic Triblock Terpolymer Micelles. <i>Macromolecules</i> , 2016 , 49, 6644-6654	5.5	17
211	Electrochemiluminescent displays based on ion gels: correlation between device performance and choice of electrolyte. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8448-8453	7.1	37
210	Nanoscale Concentration Quantification of Pharmaceutical Actives in Amorphous Polymer Matrices by Electron Energy-Loss Spectroscopy. <i>Langmuir</i> , 2016 , 32, 7411-9	4	14
209	Phase Behavior of Diblock Copolymer/Homopolymer Ternary Blends: Congruent First-Order Lamellar Disorder Transition. <i>Macromolecules</i> , 2016 , 49, 7928-7944	5.5	24
208	Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?. <i>Langmuir</i> , 2016 , 32, 6115-22	4.2	36
207	Lithium Salt-Induced Microstructure and Ordering in Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2016 , 49, 4839-4849	5.5	41
206	Formation of Multicompartment Ion Gels by Stepwise Self-Assembly of a Thermoresponsive ABC Triblock Terpolymer in an Ionic Liquid. <i>Macromolecules</i> , 2016 , 49, 2298-2306	5.5	43

205	Structure of poly(styrene- <i>b</i> -ethylene- <i>alt</i> -propylene) diblock copolymer micelles in binary solvent mixtures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 22-31	2.6	5
204	Multicolored, Low-Power, Flexible Electrochromic Devices Based on Ion Gels. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6252-60	9.5	155
203	Anhydrous Proton Conducting Polymer Electrolyte Membranes via Polymerization-Induced Microphase Separation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6200-10	9.5	57
202	Multicompartment Micelles by Aqueous Self-Assembly of β A(BC) brush Terpolymers. <i>ACS Omega</i> , 2016 , 1, 1027-1033	3.9	19
201	Chain Exchange Kinetics in Diblock Copolymer Micelles in Ionic Liquids: The Role of η	5.5	30
200	Poly(methyl methacrylate)-block-poly(<i>n</i> -butyl methacrylate) Diblock Copolymer Micelles in an Ionic Liquid: Scaling of Core and Corona Size with Core Block Length. <i>Macromolecules</i> , 2016 , 49, 3639-3646	5.5	21
199	Molecular Simulation of Olefin Oligomer Blend Phase Behavior. <i>Macromolecules</i> , 2016 , 49, 3975-3985	5.5	17
198	Size Control and Fractionation of Ionic Liquid Filled Polymersomes with Glassy and Rubbery Bilayer Membranes. <i>Langmuir</i> , 2016 , 32, 4959-68	4	7
197	Structure-Conductivity Relationships in Ordered and Disordered Salt-Doped Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2016 , 49, 6928-6939	5.5	49
196	Comparison of Gel Relaxation Times and End-Block Pullout Times in ABA Triblock Copolymer Networks. <i>Macromolecules</i> , 2016 , 49, 7340-7349	5.5	20
195	Mechanically Tunable, Readily Processable Ion Gels by Self-Assembly of Block Copolymers in Ionic Liquids. <i>Accounts of Chemical Research</i> , 2016 , 19, 2107-2114	24.3	105
194	Impact of molecular weight and comonomer content on catalytic hydrogen-deuterium exchange in polyolefins. <i>Polymer</i> , 2016 , 102, 99-105	3.9	11
193	Tuning Cationic Block Copolymer Micelle Size by pH and Ionic Strength. <i>Biomacromolecules</i> , 2016 , 17, 2849-59	6.9	46
192	Evolution of Morphology, Modulus, and Conductivity in Polymer Electrolytes Prepared via Polymerization-Induced Phase Separation. <i>Macromolecules</i> , 2015 , 48, 1418-1428	5.5	64
191	Structure of Two-Compartment Hydrogels from Thermoresponsive ABC Triblock Terpolymers. <i>Macromolecules</i> , 2015 , 48, 5934-5943	5.5	19
190	Synergistic Increase in Ionic Conductivity and Modulus of Triblock Copolymer Ion Gels. <i>Macromolecules</i> , 2015 , 48, 4942-4950	5.5	73
189	pH- and Ionic-Strength-Induced Contraction of Polybasic Micelles in Buffered Aqueous Solutions. <i>Macromolecules</i> , 2015 , 48, 2677-2685	5.5	31
188	Linear and Nonlinear Rheological Behavior of Fibrillar Methylcellulose Hydrogels. <i>ACS Macro Letters</i> , 2015 , 4, 538-542	6.6	52

187	Detection of pharmaceutical drug crystallites in solid dispersions by transmission electron microscopy. <i>Molecular Pharmaceutics</i> , 2015 , 12, 983-90	5.6	35
186	Single ion conducting, polymerized ionic liquid triblock copolymer films: high capacitance electrolyte gates for n-type transistors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7294-302	9.5	80
185	Remarkable Effect of Molecular Architecture on Chain Exchange in Triblock Copolymer Micelles. <i>Macromolecules</i> , 2015 , 48, 2667-2676	5.5	52
184	Thermodynamics of Aqueous Methylcellulose Solutions. <i>Macromolecules</i> , 2015 , 48, 7205-7215	5.5	46
183	Thermally Reversible Ion Gels with Photohealing Properties Based on Triblock Copolymer Self-Assembly. <i>Macromolecules</i> , 2015 , 48, 5928-5933	5.5	52
182	Permeability of Rubbery and Glassy Membranes of Ionic Liquid Filled Polymersome Nanoreactors in Water. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15054-62	3.4	16
181	Interpolyelectrolyte Complexes of Polycationic Micelles and Linear Polyanions: Structural Stability and Temporal Evolution. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15919-28	3.4	28
180	Photoreversible Gelation of a Triblock Copolymer in an Ionic Liquid. <i>Angewandte Chemie</i> , 2015 , 127, 3061-3065	10	10
179	Solution Processable, Electrochromic Ion Gels for Sub-1 V, Flexible Displays on Plastic. <i>Chemistry of Materials</i> , 2015 , 27, 1420-1425	9.6	183
178	Interfacial tension-hindered phase transfer of polystyrene-b-poly(ethylene oxide) polymersomes from a hydrophobic ionic liquid to water. <i>Langmuir</i> , 2015 , 31, 594-601	4	13
177	Influence of Composition Fluctuations on the Linear Viscoelastic Properties of Symmetric Diblock Copolymers near the Order-Disorder Transition. <i>ACS Macro Letters</i> , 2015 , 4, 260-265	6.6	10
176	Photoreversible gelation of a triblock copolymer in an ionic liquid. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3018-22	16.4	58
175	Effects of Solvent Quality and Degree of Polymerization on the Critical Micelle Temperature of Poly(ethylene oxide-b-n-butyl methacrylate) in Ionic Liquids. <i>Macromolecules</i> , 2014 , 47, 1455-1461	5.5	7
174	High-modulus, high-conductivity nanostructured polymer electrolyte membranes via polymerization-induced phase separation. <i>Nano Letters</i> , 2014 , 14, 122-6	11.5	215
173	Morphology, Modulus, and Conductivity of a Triblock Terpolymer/Ionic Liquid Electrolyte Membrane. <i>Macromolecules</i> , 2014 , 47, 1090-1098	5.5	38
172	High capacitance, photo-patternable ion gel gate insulators compatible with vapor deposition of metal gate electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19275-81	9.5	26
171	Rate of Molecular Exchange through the Membranes of Ionic Liquid Filled Polymersomes Dispersed in Water. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21140-21147	3.8	14
170	Solution-processable electrochemiluminescent ion gels for flexible, low-voltage, emissive displays on plastic. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3705-12	16.4	180

169	DC-Driven, Sub-2 V Solid-State Electrochemiluminescent Devices by Incorporating Redox Coreactants into Emissive Ion Gels. <i>Chemistry of Materials</i> , 2014 , 26, 5358-5364	9.6	48
168	Tuning of Sol-Gel Transition Temperatures for Thermoreversible Ion Gels. <i>Chemistry Letters</i> , 2014 , 43, 204-206	1.7	19
167	Stimuli-triggered phase transfer of polymer-inorganic hybrid hairy particles between two immiscible liquid phases. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1600-1619	2.6	11
166	Fluctuation Effects in Symmetric Diblock Copolymer/Homopolymer Ternary Mixtures near the Lamellar Disorder Transition. <i>ACS Macro Letters</i> , 2014 , 3, 1041-1045	6.6	16
165	Transfer printing of thermoreversible ion gels for flexible electronics. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9522-7	9.5	48
164	Fibrillar structure of methylcellulose hydrogels. <i>Biomacromolecules</i> , 2013 , 14, 2484-8	6.9	86
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5	Isotropic Lifshitz behavior in block copolymer-homopolymer blends. <i>Physical Review Letters</i> , 1995 , 75, 4429-4432	7.4	103
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3	Static and dynamic crossover in a critical polymer mixture. <i>Physical Review Letters</i> , 1990 , 65, 1893-1896	7.4	125
2	Expansion factor of a part of a polymer chain in a good solvent measured by small-angle neutron scattering. <i>Macromolecules</i> , 1984 , 17, 1785-1789	5.5	23
1	Polymer Chemistry		634