Bradley D Olsen

List of Publications by Year in Descending Order

159 papers	5,730 citations	39 h-index	70 g-index
173 ext. papers	6,603 ext. citations	7.9 avg, IF	6.3 L-index

#	Paper	IF	Citations
159	A review of treatments for non-compressible torso hemorrhage (NCTH) and internal bleeding.. *Biomaterials*, **2022**, 283, 121432	15.6	1
158	Coarse-Grained Simulations for Fracture of Polymer Networks: Stress Versus Topological Inhomogeneities. *Macromolecules*, **2022**, 55, 4-14	5.5	2
157	Toughening hydrogels through force-triggered chemical reactions that lengthen polymer strands. *Science*, **2021**, 374, 193-196	33.3	22
156	Random Forest Predictor for Diblock Copolymer Phase Behavior.. *ACS Macro Letters*, **2021**, 10, 1339-1345	6.6	6
155	Mechanism Dictates Mechanics: A Molecular Substituent Effect in the Macroscopic Fracture of a Covalent Polymer Network. *Journal of the American Chemical Society*, **2021**, 143, 3714-3718	16.4	11
154	Single-Event Spectroscopy and Unravelling Kinetics of Covalent Domains Based on Cyclobutane Mechanophores. *Journal of the American Chemical Society*, **2021**, 143, 5269-5276	16.4	8
153	Adding the Effect of Topological Defects to the Flory-Rehner and Bray-Merrill Swelling Theories.. *ACS Macro Letters*, **2021**, 10, 531-537	6.6	8
152	Molecular Characterization of Polymer Networks. *Chemical Reviews*, **2021**, 121, 5042-5092	68.1	33
151	Anomalous Diffusion in Associative Networks of High-Sticker-Density Polymers. *Macromolecules*, **2021**, 54, 1354-1365	5.5	5
150	Tuning Selective Transport of Biomolecules through Site-Mutated Nucleoporin-like Protein (NLP) Hydrogels. *Biomacromolecules*, **2021**, 22, 289-298	6.9	3
149	SANS quantification of bound water in water-soluble polymers across multiple concentration regimes. *Soft Matter*, **2021**, 17, 5303-5318	3.6	3
148	Effect of sticker clustering on the dynamics of associative networks. *Soft Matter*, **2021**, 17, 8960-8972	3.6	2
147	PolyDAT: A Generic Data Schema for Polymer Characterization. *Journal of Chemical Information and Modeling*, **2021**, 61, 1150-1163	6.1	6
146	Mechanisms of Self-Diffusion of Linear Associative Polymers Studied by Brownian Dynamics Simulation. *Macromolecules*, **2021**, 54, 11212-11227	5.5	1
145	Glycoprotein Mimics with Tunable Functionalization through Global Amino Acid Substitution and Copper Click Chemistry. *Bioconjugate Chemistry*, **2020**, 31, 554-566	6.3	9
144	Coiled-Coil Domains for Self-Assembly and Sensitivity Enhancement of Protein–Polymer Conjugate Biosensors. *ACS Applied Polymer Materials*, **2020**, 2, 1114-1123	4.3	5
143	Techno-Economic Assessment of Whey Protein-Based Plastic Production from a Co-Polymerization Process. *Polymers*, **2020**, 12,	4.5	6

142	Secondary structure drives self-assembly in weakly segregated globular protein–rod block copolymers. *Polymer Chemistry*, **2020**, 11, 3032-3045	4.9	1
141	Molecular anisotropy and rearrangement as mechanisms of toughness and extensibility in entangled physical gels. *Physical Review Materials*, **2020**, 4,	3.2	8
140	Understanding the molecular origin of shear thinning in associative polymers through quantification of bond dissociation under shear. *Physical Review Materials*, **2020**, 4,	3.2	6
139	Bridging dynamic regimes of segmental relaxation and center-of-mass diffusion in associative protein hydrogels. *Physical Review Research*, **2020**, 2,	3.9	3
138	Effect of Protein Surface Charge Distribution on Protein-Polyelectrolyte Complexation. *Biomacromolecules*, **2020**, 21, 3026-3037	6.9	14
137	Polymer Domains Control Diffusion in Protein–Polymer Conjugate Biosensors. *ACS Applied Polymer Materials*, **2020**, 2, 4481-4492	4.3	4
136	Fracture of Polymer Networks Containing Topological Defects. *Macromolecules*, **2020**, 53, 7346-7355	5.5	15
135	SANS partial structure factor analysis for determining protein-polymer interactions in semidilute solution. *Soft Matter*, **2019**, 15, 7350-7359	3.6	6
134	Predicting Protein-Polymer Block Copolymer Self-Assembly from Protein Properties. *Biomacromolecules*, **2019**, 20, 3713-3723	6.9	13
133	BigSMILES: A Structurally-Based Line Notation for Describing Macromolecules. *ACS Central Science*, **2019**, 5, 1523-1531	16.8	58
132	Protein Purification by Ethanol-Induced Phase Transitions of the Elastin-like Polypeptide (ELP). *Industrial & Engineering Chemistry Research*, **2019**, 58, 11698-11709	3.9	4
131	Extending the Phantom Network Theory to Account for Cooperative Effect of Defects. *Macromolecular Symposia*, **2019**, 385, 1900010	0.8	3
130	Cononsolvency of Elastin-like Polypeptides in Water/Alcohol Solutions. *Biomacromolecules*, **2019**, 20, 2167-2173	6.9	16
129	Preparation and Characterization of Whey Protein-Based Polymers Produced from Residual Dairy Streams. *Polymers*, **2019**, 11,	4.5	19
128	Techno-economic Analysis for the Production of Novel Bio-derived Elastomers with Modified Algal Proteins as a Reinforcing Agent **2019**, 639-654		0
127	Counting loops in sidechain-crosslinked polymers from elastic solids to single-chain nanoparticles. *Chemical Science*, **2019**, 10, 5332-5337	9.4	25
126	Systemically Administered Hemostatic Nanoparticles for Identification and Treatment of Internal Bleeding. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2563-2576	5.5	10
125	Hydrophobic and Bulk Polymerizable Protein-Based Elastomers Compatibilized with Surfactants. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9103-9111	8.3	2

124	Topology effects on protein–polymer block copolymer self-assembly. *Polymer Chemistry*, **2019**, 10, 1751-1761	4.9	8
123	Revisiting the Elasticity Theory for Real Gaussian Phantom Networks. *Macromolecules*, **2019**, 52, 1685-1694	5.5	39
122	Non-isocyanate urethane linkage formation using l-lysine residues as amine sources. *Amino Acids*, **2019**, 51, 1323-1335	3.5	2
121	Catalytic Biosensors from Complex Coacervate Core Micelle (C3M) Thin Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 32354-32365	9.5	15
120	Protein-Polymer Block Copolymer Thin Films for Highly Sensitive Detection of Small Proteins in Biological Fluids. *ACS Sensors*, **2019**, 4, 2869-2878	9.2	7
119	Influence of End-Block Dynamics on Deformation Behavior of Thermoresponsive Elastin-like Polypeptide Hydrogels. *Macromolecules*, **2018**, 51, 2951-2960	5.5	5
118	Topological Structure of Networks Formed from Symmetric Four-Arm Precursors. *Macromolecules*, **2018**, 51, 1224-1231	5.5	45
117	Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. *ACS Macro Letters*, **2018**, 7, 244-249	6.6	41
116	Engineering Elastin-Like Polypeptide-Poly(ethylene glycol) Multiblock Physical Networks. *Biomacromolecules*, **2018**, 19, 329-339	6.9	10
115	A Molecular Explanation for Anomalous Diffusion in Supramolecular Polymer Networks. *Macromolecules*, **2018**, 51, 2517-2525	5.5	19
114	Catalyst: Advancing Polymer Science by Revisiting Known Plastics. *CheM*, **2018**, 4, 927-929	16.2	
113	Improved Ordering in Low Molecular Weight Protein-Polymer Conjugates Through Oligomerization of the Protein Block. *Biomacromolecules*, **2018**, 19, 3814-3824	6.9	11
112	Green fluorescent proteins engineered for cartilage-targeted drug delivery: Insights for transport into highly charged avascular tissues. *Biomaterials*, **2018**, 183, 218-233	15.6	28
111	High-velocity micro-particle impact on gelatin and synthetic hydrogel. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 86, 71-76	4.1	20
110	Self-Assembly of Protein–Polymer Conjugates **2018**, 207-255		
109	Polymethacrylamide and Carbon Composites that Grow, Strengthen, and Self-Repair using Ambient Carbon Dioxide Fixation. *Advanced Materials*, **2018**, 30, e1804037	24	16
108	Nucleopore-Inspired Polymer Hydrogels for Selective Biomolecular Transport. *Biomacromolecules*, **2018**, 19, 3905-3916	6.9	18
107	Multifunctional, High Molecular Weight, Post-Translationally Modified Proteins through Oxidative Cysteine Coupling and Tyrosine Modification. *Bioconjugate Chemistry*, **2018**, 29, 1876-1884	6.3	6

106	Elastin-like Polypeptide (ELP) Charge Influences Self-Assembly of ELP-mCherry Fusion Proteins. *Biomacromolecules*, **2018**, 19, 2517-2525	6.9	13
105	Techno-economic analysis for the production of novel, bio-derived elastomers with modified algal proteins as a reinforcing agent. *Algal Research*, **2018**, 33, 337-344	5	3
104	Material properties of the cyanobacterial reserve polymer multi-l-arginyl-poly-l-aspartate (cyanophycin). *Polymer*, **2017**, 109, 238-245	3.9	13
103	Odd–Even Effect of Junction Functionality on the Topology and Elasticity of Polymer Networks. *Macromolecules*, **2017**, 50, 2556-2564	5.5	38
102	Selective biomolecular separation system inspired by the nuclear pore complex and nuclear transport. *Molecular Systems Design and Engineering*, **2017**, 2, 149-158	4.6	8
101	Semibatch monomer addition as a general method to tune and enhance the mechanics of polymer networks via loop-defect control. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4875-4880	11.5	50
100	Artificially Engineered Protein Polymers. *Annual Review of Chemical and Biomolecular Engineering*, **2017**, 8, 549-575	8.9	52
99	Self-Assembly of Poly(vinylpyridine-b-oligo(ethylene glycol) methyl ether methacrylate) Diblock Copolymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1181-1190	2.6	6
98	Three-Dimensional Ordered Antibody Arrays Through Self-Assembly of Antibody–Polymer Conjugates. *Angewandte Chemie*, **2017**, 129, 1293-1297	3.6	0
97	Three-Dimensional Ordered Antibody Arrays Through Self-Assembly of Antibody-Polymer Conjugates. *Angewandte Chemie - International Edition*, **2017**, 56, 1273-1277	16.4	21
96	Hydrogels That Actuate Selectively in Response to Organophosphates. *Advanced Functional Materials*, **2017**, 27, 1602784	15.6	6
95	Structure and rheology of dual-associative protein hydrogels under nonlinear shear flow. *Soft Matter*, **2017**, 13, 8511-8524	3.6	7
94	Peptide Domains as Reinforcement in Protein-Based Elastomers. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8568-8578	8.3	16
93	Kinetic Monte Carlo Simulation for Quantification of the Gel Point of Polymer Networks. *ACS Macro Letters*, **2017**, 6, 1414-1419	6.6	50
92	Kinetic Effects on Self-Assembly and Function of Protein-Polymer Bioconjugates in Thin Films Prepared by Flow Coating. *Macromolecular Rapid Communications*, **2017**, 38, 1600449	4.8	11
91	Mechanical response of transient telechelic networks with many-part stickers. *Journal of Chemical Physics*, **2017**, 147, 194902	3.9	6
90	Classical Challenges in the Physical Chemistry of Polymer Networks and the Design of New Materials. *Accounts of Chemical Research*, **2016**, 49, 2786-2795	24.3	30
89	Relaxation Processes in Supramolecular Metallogels Based on Histidine–Nickel Coordination Bonds. *Macromolecules*, **2016**, 49, 9163-9175	5.5	55

88	An injectable shear-thinning biomaterial for endovascular embolization. *Science Translational Medicine*, **2016**, 8, 365ra156	17.5	101
87	Quantifying the impact of molecular defects on polymer network elasticity. *Science*, **2016**, 353, 1264-8	33.3	247
86	Self-Diffusion of Associating Star-Shaped Polymers. *Macromolecules*, **2016**, 49, 5599-5608	5.5	37
85	Universal Cyclic Topology in Polymer Networks. *Physical Review Letters*, **2016**, 116, 188302	7.4	68
84	Toughening of Thermoresponsive Arrested Networks of Elastin-Like Polypeptides To Engineer Cytocompatible Tissue Scaffolds. *Biomacromolecules*, **2016**, 17, 415-26	6.9	41
83	Thermoresponsive and Mechanical Properties of Poly(L-proline) Gels. *Biomacromolecules*, **2016**, 17, 399-406	6.9	12
82	Biosynthesis of poly(glycolate-co-lactate-co-3-hydroxybutyrate) from glucose by metabolically engineered Escherichia coli. *Metabolic Engineering*, **2016**, 35, 1-8	9.7	30
81	Complex coacervation of supercharged proteins with polyelectrolytes. *Soft Matter*, **2016**, 12, 3570-81	3.6	81
80	Effect of ELP Sequence and Fusion Protein Design on Concentrated Solution Self-Assembly. *Biomacromolecules*, **2016**, 17, 928-34	6.9	20
79	Antiviral Agents from Multivalent Presentation of Sialyl Oligosaccharides on Brush Polymers. *ACS Macro Letters*, **2016**, 5, 413-418	6.6	52
78	Self-assembly of protein-zwitterionic polymer bioconjugates into nanostructured materials. *Polymer Chemistry*, **2016**, 7, 2410-2418	4.9	20
77	Protein Nanopatterning. *Springer Series in Biomaterials Science and Engineering*, **2016**, 445-480	0.6	1
76	The shape of protein–polymer conjugates in dilute solution. *Journal of Polymer Science Part A*, **2016**, 54, 292-302	2.5	14
75	Self-Assembly of Differently Shaped Protein-Polymer Conjugates through Modification of the Bioconjugation Site. *Macromolecular Rapid Communications*, **2016**, 37, 1268-74	4.8	10
74	Complex Coacervate Core Micelles for the Dispersion and Stabilization of Organophosphate Hydrolase in Organic Solvents. *Langmuir*, **2016**, 32, 13367-13376	4	21
73	The Effect of Protein Electrostatic Interactions on Globular Protein-Polymer Block Copolymer Self-Assembly. *Biomacromolecules*, **2016**, 17, 2820-9	6.9	24
72	Injectable Hydrogels by Physical Crosslinking **2016**, 97-154		0
71	Topological Effects on Globular Protein-ELP Fusion Block Copolymer Self-Assembly. *Advanced Functional Materials*, **2015**, 25, 729-738	15.6	35

70	Highly Active Biocatalytic Coatings from Protein-Polymer Diblock Copolymers. *ACS Applied Materials & Interfaces*, **2015**, 7, 14660-9	9.5	34
69	End Block Design Modulates the Assembly and Mechanics of Thermoresponsive, Dual-Associative Protein Hydrogels. *Macromolecules*, **2015**, 48, 1832-1842	5.5	15
68	Self-Diffusion and Constraint Release in Isotropic Entangled Rod–Coil Block Copolymers. *Macromolecules*, **2015**, 48, 3121-3129	5.5	6
67	Arrested Phase Separation of Elastin-like Polypeptide Solutions Yields Stiff, Thermoresponsive Gels. *Biomacromolecules*, **2015**, 16, 3762-73	6.9	36
66	Hydrogels: Artificially Engineered Protein Hydrogels Adapted from the Nucleoporin Nsp1 for Selective Biomolecular Transport (Adv. Mater. 28/2015). *Advanced Materials*, **2015**, 27, 4244-4244	24	1
65	Crossover between activated reptation and arm retraction mechanisms in entangled rod-coil block copolymers. *Journal of Chemical Physics*, **2015**, 143, 184904	3.9	1
64	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. *Advanced Functional Materials*, **2015**, 25, 4814-4826	15.6	148
63	Artificially Engineered Protein Hydrogels Adapted from the Nucleoporin Nsp1 for Selective Biomolecular Transport. *Advanced Materials*, **2015**, 27, 4207-12	24	30
62	Anomalous self-diffusion and sticky Rouse dynamics in associative protein hydrogels. *Journal of the American Chemical Society*, **2015**, 137, 3946-57	16.4	82
61	Loops versus Branch Functionality in Model Click Hydrogels. *Macromolecules*, **2015**, 48, 8980-8988	5.5	65
60	Synthesis and Application of Protein-Containing Block Copolymers. *ACS Macro Letters*, **2015**, 4, 101-110	6.6	74
59	Tube Curvature Slows the Motion of Rod–Coil Block Copolymers through Activated Reptation. *ACS Macro Letters*, **2015**, 4, 242-246	6.6	4
58	Scattering from Colloid–Polymer Conjugates with Excluded Volume Effect. *ACS Macro Letters*, **2015**, 4, 165-170	6.6	2
57	Celebrating Soft Matter's 10th Anniversary: chain configuration and rate-dependent mechanical properties in transient networks. *Soft Matter*, **2015**, 11, 2085-96	3.6	28
56	Responsive block copolymer photonics triggered by protein-polyelectrolyte coacervation. *ACS Nano*, **2014**, 8, 11467-73	16.7	37
55	Gellan gum microgel-reinforced cell-laden gelatin hydrogels. *Journal of Materials Chemistry B*, **2014**, 2, 2508-2516	7.3	42
54	Coil fraction-dependent phase behaviour of a model globular protein-polymer diblock copolymer. *Soft Matter*, **2014**, 10, 3093-102	3.6	27
53	Enhanced activity and stability of organophosphorus hydrolase via interaction with an amphiphilic polymer. *Chemical Communications*, **2014**, 50, 5345-8	5.8	25

52	Oxidatively Responsive Chain Extension to Entangle Engineered Protein Hydrogels. *Macromolecules*, **2014**, 47, 791-799	5.5	40
51	Effect of polymer chemistry on globular protein–polymer block copolymer self-assembly. *Polymer Chemistry*, **2014**, 5, 4884-4895	4.9	37
50	The nature of protein interactions governing globular protein-polymer block copolymer self-assembly. *Biomacromolecules*, **2014**, 15, 1248-58	6.9	39
49	Crossover experiments applied to network formation reactions: improved strategies for counting elastically inactive molecular defects in PEG gels and hyperbranched polymers. *Journal of the American Chemical Society*, **2014**, 136, 9464-70	16.4	70
48	Protonation-Induced Microphase Separation in Thin Films of a Polyelectrolyte-Hydrophilic Diblock Copolymer. *ACS Macro Letters*, **2014**, 3, 410-414	6.6	16
47	Shear-thinning nanocomposite hydrogels for the treatment of hemorrhage. *ACS Nano*, **2014**, 8, 9833-42	16.7	236
46	Defects, Solvent Quality, and Photonic Response in Lamellar Block Copolymer Gels. *Macromolecules* , **2014**, 47, 1130-1136	5.5	25
45	Kinetics of magnetic field-induced orientational ordering in block copolymer/superparamagnetic nanoparticle composites. *Macromolecular Rapid Communications*, **2014**, 35, 2005-11	4.8	2
44	Controlling topological entanglement in engineered protein hydrogels with a variety of thiol coupling chemistries. *Frontiers in Chemistry*, **2014**, 2, 23	5	10
43	Magnetic Field Induced Morphological Transitions in Block Copolymer/Superparamagnetic Nanoparticle Composites. *ACS Macro Letters*, **2013**, 2, 655-659	6.6	7
42	Site-specific conjugation of RAFT polymers to proteins via expressed protein ligation. *Chemical Communications*, **2013**, 49, 2566-8	5.8	32
41	Diffusion Mechanisms of Entangled Rod–Coil Diblock Copolymers. *Macromolecules*, **2013**, 46, 5694-5701	5.5	10
40	Effect of small molecule osmolytes on the self-assembly and functionality of globular protein-polymer diblock copolymers. *Biomacromolecules*, **2013**, 14, 3064-72	6.9	17
39	Engineering materials from proteins. *AICHE Journal*, **2013**, 59, 3558-3568	3.6	16
38	Reinforcement of Shear Thinning Protein Hydrogels by Responsive Block Copolymer Self-Assembly. *Advanced Functional Materials*, **2013**, 23, 1182-1193	15.6	99
37	Structure and Mechanical Response of Protein Hydrogels Reinforced by Block Copolymer Self-Assembly. *Soft Matter*, **2013**, 9, 6814-6823	3.6	31
36	Phase transitions in concentrated solution self-assembly of globular protein–polymer block copolymers. *Soft Matter*, **2013**, 9, 2393	3.6	55
35	Experimental measurement of coil-rod-coil block copolymer tracer diffusion through entangled coil homopolymers. *Macromolecules*, **2013**, 46, 1651-1658	5.5	11

34	Self-Assembly of Globular-Protein-Containing Block Copolymers. *Macromolecular Chemistry and Physics*, **2013**, 214, 1659-1668	2.6	21
33	Physics of engineered protein hydrogels. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 587-601	2.6	31
32	Reply to Stadler: Combining network disassembly spectrometry with rheology/spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E1973	11.5	16
31	Self-Assembly: Reinforcement of Shear Thinning Protein Hydrogels by Responsive Block Copolymer Self-Assembly (Adv. Funct. Mater. 9/2013). *Advanced Functional Materials*, **2013**, 23, 1224-1224	15.6	1
30	The mechanical properties and cytotoxicity of cell-laden double-network hydrogels based on photocrosslinkable gelatin and gellan gum biomacromolecules. *Biomaterials*, **2012**, 33, 3143-52	15.6	289
29	Nanopatterned Protein Films Directed by Ionic Complexation with Water-Soluble Diblock Copolymers. *Macromolecules*, **2012**, 45, 4572-4580	5.5	35
28	Long-Range Ordering of Symmetric Block Copolymer Domains by Chaining of Superparamagnetic Nanoparticles in External Magnetic Fields. *Macromolecules*, **2012**, 45, 9373-9382	5.5	35
27	Diffusion of Entangled Rod–Coil Block Copolymers. *ACS Macro Letters*, **2012**, 1, 676-680	6.6	10
26	Kinetically controlled nanostructure formation in self-assembled globular protein-polymer diblock copolymers. *Biomacromolecules*, **2012**, 13, 2781-92	6.9	58
25	Counting primary loops in polymer gels. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19119-24	11.5	160
24	Solid-state nanostructured materials from self-assembly of a globular protein-polymer diblock copolymer. *ACS Nano*, **2011**, 5, 5697-707	16.7	81
23	Yielding Behavior in Injectable Hydrogels from Telechelic Proteins. *Macromolecules*, **2010**, 43, 9094-9099	5.5	153
22	Liquid Crystalline Orientation of Rod Blocks within Lamellar Nanostructures from Rod–Coil Diblock Copolymers. *Macromolecules*, **2010**, 43, 6531-6534	5.5	12
21	Efficient synthesis of narrowly dispersed brush copolymers and study of their assemblies: the importance of side chain arrangement. *Journal of the American Chemical Society*, **2009**, 131, 18525-32	16.4	387
20	Rheological properties and the mechanical signatures of phase transitions in weakly-segregated rod-coil block copolymers. *Soft Matter*, **2009**, 5, 2453	3.6	11
19	Near-surface and internal lamellar structure and orientation in thin films of rod–coil block copolymers. *Soft Matter*, **2009**, 5, 182-192	3.6	19
18	Square grains in asymmetric rod-coil block copolymers. *Langmuir*, **2008**, 24, 1604-7	4	15
17	Crystalline Structure in Thin Films of DEH-PPV Homopolymer and PPV-b-PI Rod–Coil Block Copolymers. *Macromolecules*, **2008**, 41, 58-66	5.5	40

16	Universalization of the Phase Diagram for a Model Rod–Coil Diblock Copolymer. *Macromolecules*, **2008**, 41, 6809-6817	5.5	99
15	Self-assembly of rod–coil block copolymers. *Materials Science and Engineering Reports*, **2008**, 62, 37-66	30.9	314
14	Domain Size Control in Self-Assembling Rod–Coil Block Copolymer and Homopolymer Blends. *Macromolecules*, **2007**, 40, 3320-3327	5.5	29
13	Hierarchical nanostructure control in rod-coil block copolymers with magnetic fields. *Nano Letters*, **2007**, 7, 2742-6	11.5	81
12	Nonlamellar Phases in Asymmetric Rod–Coil Block Copolymers at Increased Segregation Strengths. *Macromolecules*, **2007**, 40, 6922-6929	5.5	96
11	Thin Film Structure of Symmetric Rod–Coil Block Copolymers. *Macromolecules*, **2007**, 40, 3287-3295	5.5	56
10	Higher Order Liquid Crystalline Structure in Low-Polydispersity DEH-PPV. *Macromolecules*, **2006**, 39, 4469-4479	5.5	42
9	Phase Transitions in Asymmetric Rod–Coil Block Copolymers. *Macromolecules*, **2006**, 39, 7078-7083	5.5	79
8	Polymeric nanocoatings by hot-wire chemical vapor deposition (HWCVD). *Thin Solid Films*, **2006**, 501, 211-215	2.2	37
7	Structure and Thermodynamics of Weakly Segregated Rod–Coil Block Copolymers. *Macromolecules*, **2005**, 38, 10127-10137	5.5	159
6	Effect of filament temperature on the chemical vapor deposition of fluorocarbon–organosilicon copolymers. *Journal of Applied Polymer Science*, **2004**, 91, 2176-2185	2.9	10
5	Peptide attachment to vapor deposited polymeric thin films. *Langmuir*, **2004**, 20, 4774-6	4	10
4	Making thin polymeric materials, including fabrics, microbicidal and also water-repellent. *Biotechnology Letters*, **2003**, 25, 1661-5	3	52
3	Initiation of Cyclic Vinylmethylsiloxane Polymerization in a Hot-Filament Chemical Vapor Deposition Process. *Langmuir*, **2002**, 18, 6424-6428	4	38
2	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression. *Laser and Photonics Reviews*,2100301	8.3	13
1	Development of a Rubber Recycling Process Based on a Single-Component Interfacial Adhesive. *ACS Applied Polymer Materials*,	4.3	2