Bradley D Olsen

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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.

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	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
158	Self-assembly of rod–coil block copolymers. *Materials Science and Engineering Reports*, **2008**, 62, 37-66	30.9	314
157	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
156	Quantifying the impact of molecular defects on polymer network elasticity. *Science*, **2016**, 353, 1264-8	33.3	247
155	Shear-thinning nanocomposite hydrogels for the treatment of hemorrhage. *ACS Nano*, **2014**, 8, 9833-42	16.7	236
154	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
153	Structure and Thermodynamics of Weakly Segregated Rod–Coil Block Copolymers. *Macromolecules*, **2005**, 38, 10127-10137	5.5	159
152	Yielding Behavior in Injectable Hydrogels from Telechelic Proteins. *Macromolecules*, **2010**, 43, 9094-9099	5.5	153
151	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. *Advanced Functional Materials*, **2015**, 25, 4814-4826	15.6	148
150	An injectable shear-thinning biomaterial for endovascular embolization. *Science Translational Medicine*, **2016**, 8, 365ra156	17.5	101
149	Reinforcement of Shear Thinning Protein Hydrogels by Responsive Block Copolymer Self-Assembly. *Advanced Functional Materials*, **2013**, 23, 1182-1193	15.6	99
148	Universalization of the Phase Diagram for a Model Rod–Coil Diblock Copolymer. *Macromolecules*, **2008**, 41, 6809-6817	5.5	99
147	Nonlamellar Phases in Asymmetric Rod–Coil Block Copolymers at Increased Segregation Strengths. *Macromolecules*, **2007**, 40, 6922-6929	5.5	96
146	Anomalous self-diffusion and sticky Rouse dynamics in associative protein hydrogels. *Journal of the American Chemical Society*, **2015**, 137, 3946-57	16.4	82
145	Complex coacervation of supercharged proteins with polyelectrolytes. *Soft Matter*, **2016**, 12, 3570-81	3.6	81
144	Solid-state nanostructured materials from self-assembly of a globular protein-polymer diblock copolymer. *ACS Nano*, **2011**, 5, 5697-707	16.7	81
143	Hierarchical nanostructure control in rod-coil block copolymers with magnetic fields. *Nano Letters*, **2007**, 7, 2742-6	11.5	81

142	Phase Transitions in Asymmetric Rod–Coil Block Copolymers. *Macromolecules*, **2006**, 39, 7078-7083	5.5	79
141	Synthesis and Application of Protein-Containing Block Copolymers. *ACS Macro Letters*, **2015**, 4, 101-110	6.6	74
140	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
139	Universal Cyclic Topology in Polymer Networks. *Physical Review Letters*, **2016**, 116, 188302	7.4	68
138	Loops versus Branch Functionality in Model Click Hydrogels. *Macromolecules*, **2015**, 48, 8980-8988	5.5	65
137	BigSMILES: A Structurally-Based Line Notation for Describing Macromolecules. *ACS Central Science*, **2019**, 5, 1523-1531	16.8	58
136	Kinetically controlled nanostructure formation in self-assembled globular protein-polymer diblock copolymers. *Biomacromolecules*, **2012**, 13, 2781-92	6.9	58
135	Thin Film Structure of Symmetric Rod–Coil Block Copolymers. *Macromolecules*, **2007**, 40, 3287-3295	5.5	56
134	Relaxation Processes in Supramolecular Metallogels Based on Histidine–Nickel Coordination Bonds. *Macromolecules*, **2016**, 49, 9163-9175	5.5	55
133	Phase transitions in concentrated solution self-assembly of globular protein–polymer block copolymers. *Soft Matter*, **2013**, 9, 2393	3.6	55
132	Artificially Engineered Protein Polymers. *Annual Review of Chemical and Biomolecular Engineering*, **2017**, 8, 549-575	8.9	52
131	Antiviral Agents from Multivalent Presentation of Sialyl Oligosaccharides on Brush Polymers. *ACS Macro Letters*, **2016**, 5, 413-418	6.6	52
130	Making thin polymeric materials, including fabrics, microbicidal and also water-repellent. *Biotechnology Letters*, **2003**, 25, 1661-5	3	52
129	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
128	Kinetic Monte Carlo Simulation for Quantification of the Gel Point of Polymer Networks. *ACS Macro Letters*, **2017**, 6, 1414-1419	6.6	50
127	Topological Structure of Networks Formed from Symmetric Four-Arm Precursors. *Macromolecules*, **2018**, 51, 1224-1231	5.5	45
126	Gellan gum microgel-reinforced cell-laden gelatin hydrogels. *Journal of Materials Chemistry B*, **2014**, 2, 2508-2516	7.3	42
125	Higher Order Liquid Crystalline Structure in Low-Polydispersity DEH-PPV. *Macromolecules*, **2006**, 39, 4469-4479	5.5	42

124	Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. *ACS Macro Letters*, **2018**, 7, 244-249	6.6	41
123	Toughening of Thermoresponsive Arrested Networks of Elastin-Like Polypeptides To Engineer Cytocompatible Tissue Scaffolds. *Biomacromolecules*, **2016**, 17, 415-26	6.9	41
122	Oxidatively Responsive Chain Extension to Entangle Engineered Protein Hydrogels. *Macromolecules*, **2014**, 47, 791-799	5.5	40
121	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
120	Revisiting the Elasticity Theory for Real Gaussian Phantom Networks. *Macromolecules*, **2019**, 52, 1685-1694	5.5	39
119	The nature of protein interactions governing globular protein-polymer block copolymer self-assembly. *Biomacromolecules*, **2014**, 15, 1248-58	6.9	39
118	Odd-Even Effect of Junction Functionality on the Topology and Elasticity of Polymer Networks. *Macromolecules*, **2017**, 50, 2556-2564	5.5	38
117	Initiation of Cyclic Vinylmethylsiloxane Polymerization in a Hot-Filament Chemical Vapor Deposition Process. *Langmuir*, **2002**, 18, 6424-6428	4	38
116	Self-Diffusion of Associating Star-Shaped Polymers. *Macromolecules*, **2016**, 49, 5599-5608	5.5	37
115	Responsive block copolymer photonics triggered by protein-polyelectrolyte coacervation. *ACS Nano*, **2014**, 8, 11467-73	16.7	37
114	Effect of polymer chemistry on globular protein-polymer block copolymer self-assembly. *Polymer Chemistry*, **2014**, 5, 4884-4895	4.9	37
113	Polymeric nanocoatings by hot-wire chemical vapor deposition (HWCVD). *Thin Solid Films*, **2006**, 501, 211-215	2.2	37
112	Arrested Phase Separation of Elastin-like Polypeptide Solutions Yields Stiff, Thermoresponsive Gels. *Biomacromolecules*, **2015**, 16, 3762-73	6.9	36
111	Topological Effects on Globular Protein-ELP Fusion Block Copolymer Self-Assembly. *Advanced Functional Materials*, **2015**, 25, 729-738	15.6	35
110	Nanopatterned Protein Films Directed by Ionic Complexation with Water-Soluble Diblock Copolymers. *Macromolecules*, **2012**, 45, 4572-4580	5.5	35
109	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
108	Highly Active Biocatalytic Coatings from Protein-Polymer Diblock Copolymers. *ACS Applied Materials & Interfaces*, **2015**, 7, 14660-9	9.5	34
107	Molecular Characterization of Polymer Networks. *Chemical Reviews*, **2021**, 121, 5042-5092	68.1	33

106	Site-specific conjugation of RAFT polymers to proteins via expressed protein ligation. *Chemical Communications*, **2013**, 49, 2566-8	5.8	32
105	Structure and Mechanical Response of Protein Hydrogels Reinforced by Block Copolymer Self-Assembly. *Soft Matter*, **2013**, 9, 6814-6823	3.6	31
104	Physics of engineered protein hydrogels. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 587-601	2.6	31
103	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
102	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
101	Artificially Engineered Protein Hydrogels Adapted from the Nucleoporin Nsp1 for Selective Biomolecular Transport. *Advanced Materials*, **2015**, 27, 4207-12	24	30
100	Domain Size Control in Self-Assembling Rod□Coil Block Copolymer and Homopolymer Blends. *Macromolecules*, **2007**, 40, 3320-3327	5.5	29
99	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
98	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
97	Coil fraction-dependent phase behaviour of a model globular protein-polymer diblock copolymer. *Soft Matter*, **2014**, 10, 3093-102	3.6	27
96	Counting loops in sidechain-crosslinked polymers from elastic solids to single-chain nanoparticles. *Chemical Science*, **2019**, 10, 5332-5337	9.4	25
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94	Defects, Solvent Quality, and Photonic Response in Lamellar Block Copolymer Gels. *Macromolecules* , **2014**, 47, 1130-1136	5.5	25
93	The Effect of Protein Electrostatic Interactions on Globular Protein-Polymer Block Copolymer Self-Assembly. *Biomacromolecules*, **2016**, 17, 2820-9	6.9	24
92	Toughening hydrogels through force-triggered chemical reactions that lengthen polymer strands. *Science*, **2021**, 374, 193-196	33.3	22
91	Three-Dimensional Ordered Antibody Arrays Through Self-Assembly of Antibody-Polymer Conjugates. *Angewandte Chemie - International Edition*, **2017**, 56, 1273-1277	16.4	21
90	Self-Assembly of Globular-Protein-Containing Block Copolymers. *Macromolecular Chemistry and Physics*, **2013**, 214, 1659-1668	2.6	21
89	Complex Coacervate Core Micelles for the Dispersion and Stabilization of Organophosphate Hydrolase in Organic Solvents. *Langmuir*, **2016**, 32, 13367-13376	4	21

88	Effect of ELP Sequence and Fusion Protein Design on Concentrated Solution Self-Assembly. *Biomacromolecules*, **2016**, 17, 928-34	6.9	20
87	Self-assembly of protein-zwitterionic polymer bioconjugates into nanostructured materials. *Polymer Chemistry*, **2016**, 7, 2410-2418	4.9	20
86	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
85	Preparation and Characterization of Whey Protein-Based Polymers Produced from Residual Dairy Streams. *Polymers*, **2019**, 11,	4.5	19
84	A Molecular Explanation for Anomalous Diffusion in Supramolecular Polymer Networks. *Macromolecules*, **2018**, 51, 2517-2525	5.5	19
83	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
82	Nucleopore-Inspired Polymer Hydrogels for Selective Biomolecular Transport. *Biomacromolecules*, **2018**, 19, 3905-3916	6.9	18
81	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
80	Cononsolvency of Elastin-like Polypeptides in Water/Alcohol Solutions. *Biomacromolecules*, **2019**, 20, 2167-2173	6.9	16
79	Protonation-Induced Microphase Separation in Thin Films of a Polyelectrolyte-Hydrophilic Diblock Copolymer. *ACS Macro Letters*, **2014**, 3, 410-414	6.6	16
78	Engineering materials from proteins. *AICHE Journal*, **2013**, 59, 3558-3568	3.6	16
77	Peptide Domains as Reinforcement in Protein-Based Elastomers. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8568-8578	8.3	16
76	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
75	Polymethacrylamide and Carbon Composites that Grow, Strengthen, and Self-Repair using Ambient Carbon Dioxide Fixation. *Advanced Materials*, **2018**, 30, e1804037	24	16
74	End Block Design Modulates the Assembly and Mechanics of Thermoresponsive, Dual-Associative Protein Hydrogels. *Macromolecules*, **2015**, 48, 1832-1842	5.5	15
73	Catalytic Biosensors from Complex Coacervate Core Micelle (C3M) Thin Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 32354-32365	9.5	15
72	Square grains in asymmetric rod-coil block copolymers. *Langmuir*, **2008**, 24, 1604-7	4	15
71	Fracture of Polymer Networks Containing Topological Defects. *Macromolecules*, **2020**, 53, 7346-7355	5.5	15

70	Effect of Protein Surface Charge Distribution on Protein-Polyelectrolyte Complexation. *Biomacromolecules*, **2020**, 21, 3026-3037	6.9	14
69	The shape of protein–polymer conjugates in dilute solution. *Journal of Polymer Science Part A*, **2016**, 54, 292-302	2.5	14
68	Material properties of the cyanobacterial reserve polymer multi-l-arginyl-poly-l-aspartate (cyanophycin). *Polymer*, **2017**, 109, 238-245	3.9	13
67	Predicting Protein-Polymer Block Copolymer Self-Assembly from Protein Properties. *Biomacromolecules*, **2019**, 20, 3713-3723	6.9	13
66	Elastin-like Polypeptide (ELP) Charge Influences Self-Assembly of ELP-mCherry Fusion Proteins. *Biomacromolecules*, **2018**, 19, 2517-2525	6.9	13
65	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
64	Thermoresponsive and Mechanical Properties of Poly(L-proline) Gels. *Biomacromolecules*, **2016**, 17, 399-406	6.9	12
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62	Improved Ordering in Low Molecular Weight Protein-Polymer Conjugates Through Oligomerization of the Protein Block. *Biomacromolecules*, **2018**, 19, 3814-3824	6.9	11
61	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
60	Experimental measurement of coil-rod-coil block copolymer tracer diffusion through entangled coil homopolymers. *Macromolecules*, **2013**, 46, 1651-1658	5.5	11
59	Rheological properties and the mechanical signatures of phase transitions in weakly-segregated rod-coil block copolymers. *Soft Matter*, **2009**, 5, 2453	3.6	11
58	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
57	Systemically Administered Hemostatic Nanoparticles for Identification and Treatment of Internal Bleeding. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2563-2576	5.5	10
56	Engineering Elastin-Like Polypeptide-Poly(ethylene glycol) Multiblock Physical Networks. *Biomacromolecules*, **2018**, 19, 329-339	6.9	10
55	Diffusion Mechanisms of Entangled Rod–Coil Diblock Copolymers. *Macromolecules*, **2013**, 46, 5694-5701	5.5	10
54	Controlling topological entanglement in engineered protein hydrogels with a variety of thiol coupling chemistries. *Frontiers in Chemistry*, **2014**, 2, 23	5	10
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52	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
51	Peptide attachment to vapor deposited polymeric thin films. *Langmuir*, **2004**, 20, 4774-6	4	10
50	Self-Assembly of Differently Shaped Protein-Polymer Conjugates through Modification of the Bioconjugation Site. *Macromolecular Rapid Communications*, **2016**, 37, 1268-74	4.8	10
49	Glycoprotein Mimics with Tunable Functionalization through Global Amino Acid Substitution and Copper Click Chemistry. *Bioconjugate Chemistry*, **2020**, 31, 554-566	6.3	9
48	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
47	Topology effects on protein–polymer block copolymer self-assembly. *Polymer Chemistry*, **2019**, 10, 1751-1761	4.6	8
46	Molecular anisotropy and rearrangement as mechanisms of toughness and extensibility in entangled physical gels. *Physical Review Materials*, **2020**, 4,	3.2	8
45	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
44	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
43	Structure and rheology of dual-associative protein hydrogels under nonlinear shear flow. *Soft Matter*, **2017**, 13, 8511-8524	3.6	7
42	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
41	Magnetic Field Induced Morphological Transitions in Block Copolymer/Superparamagnetic Nanoparticle Composites. *ACS Macro Letters*, **2013**, 2, 655-659	6.6	7
40	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
39	Hydrogels That Actuate Selectively in Response to Organophosphates. *Advanced Functional Materials*, **2017**, 27, 1602784	15.6	6
38	SANS partial structure factor analysis for determining protein-polymer interactions in semidilute solution. *Soft Matter*, **2019**, 15, 7350-7359	3.6	6
37	Self-Diffusion and Constraint Release in Isotropic Entangled Rod–Coil Block Copolymers. *Macromolecules*, **2015**, 48, 3121-3129	5.5	6
36	Techno-Economic Assessment of Whey Protein-Based Plastic Production from a Co-Polymerization Process. *Polymers*, **2020**, 12,	4.5	6
35	Mechanical response of transient telechelic networks with many-part stickers. *Journal of Chemical Physics*, **2017**, 147, 194902	3.9	6

34	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
33	Random Forest Predictor for Diblock Copolymer Phase Behavior.. *ACS Macro Letters*, **2021**, 10, 1339-1345	5.6	6
32	PolyDAT: A Generic Data Schema for Polymer Characterization. *Journal of Chemical Information and Modeling*, **2021**, 61, 1150-1163	6.1	6
31	Multifunctional, High Molecular Weight, Post-Translationally Modified Proteins through Oxidative Cysteine Coupling and Tyrosine Modification. *Bioconjugate Chemistry*, **2018**, 29, 1876-1884	6.3	6
30	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
29	Influence of End-Block Dynamics on Deformation Behavior of Thermoresponsive Elastin-like Polypeptide Hydrogels. *Macromolecules*, **2018**, 51, 2951-2960	5.5	5
28	Anomalous Diffusion in Associative Networks of High-Sticker-Density Polymers. *Macromolecules*, **2021**, 54, 1354-1365	5.5	5
27	Protein Purification by Ethanol-Induced Phase Transitions of the Elastin-like Polypeptide (ELP). *Industrial & Engineering Chemistry Research*, **2019**, 58, 11698-11709	3.9	4
26	Tube Curvature Slows the Motion of Rod–Coil Block Copolymers through Activated Reptation. *ACS Macro Letters*, **2015**, 4, 242-246	6.6	4
25	Polymer Domains Control Diffusion in Protein–Polymer Conjugate Biosensors. *ACS Applied Polymer Materials*, **2020**, 2, 4481-4492	4.3	4
24	Extending the Phantom Network Theory to Account for Cooperative Effect of Defects. *Macromolecular Symposia*, **2019**, 385, 1900010	0.8	3
23	Bridging dynamic regimes of segmental relaxation and center-of-mass diffusion in associative protein hydrogels. *Physical Review Research*, **2020**, 2,	3.9	3
22	Tuning Selective Transport of Biomolecules through Site-Mutated Nucleoporin-like Protein (NLP) Hydrogels. *Biomacromolecules*, **2021**, 22, 289-298	6.9	3
21	SANS quantification of bound water in water-soluble polymers across multiple concentration regimes. *Soft Matter*, **2021**, 17, 5303-5318	3.6	3
20	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
19	Hydrophobic and Bulk Polymerizable Protein-Based Elastomers Compatibilized with Surfactants. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9103-9111	8.3	2
18	Non-isocyanate urethane linkage formation using l-lysine residues as amine sources. *Amino Acids*, **2019**, 51, 1323-1335	3.5	2
17	Kinetics of magnetic field-induced orientational ordering in block copolymer/superparamagnetic nanoparticle composites. *Macromolecular Rapid Communications*, **2014**, 35, 2005-11	4.8	2

16	Scattering from Colloid–Polymer Conjugates with Excluded Volume Effect. *ACS Macro Letters*, **2015**, 4, 165-170	6.6	2
15	Effect of sticker clustering on the dynamics of associative networks. *Soft Matter*, **2021**, 17, 8960-8972	3.6	2
14	Development of a Rubber Recycling Process Based on a Single-Component Interfacial Adhesive. *ACS Applied Polymer Materials*,	4.3	2
13	Coarse-Grained Simulations for Fracture of Polymer Networks: Stress Versus Topological Inhomogeneities. *Macromolecules*, **2022**, 55, 4-14	5.5	2
12	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
11	Secondary structure drives self-assembly in weakly segregated globular protein–rod block copolymers. *Polymer Chemistry*, **2020**, 11, 3032-3045	4.9	1
10	Crossover between activated reptation and arm retraction mechanisms in entangled rod-coil block copolymers. *Journal of Chemical Physics*, **2015**, 143, 184904	3.9	1
9	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
8	Protein Nanopatterning. *Springer Series in Biomaterials Science and Engineering*, **2016**, 445-480	0.6	1
7	A review of treatments for non-compressible torso hemorrhage (NCTH) and internal bleeding.. *Biomaterials*, **2022**, 283, 121432	15.6	1
6	Mechanisms of Self-Diffusion of Linear Associative Polymers Studied by Brownian Dynamics Simulation. *Macromolecules*, **2021**, 54, 11212-11227	5.5	1
5	Three-Dimensional Ordered Antibody Arrays Through Self-Assembly of Antibody–Polymer Conjugates. *Angewandte Chemie*, **2017**, 129, 1293-1297	3.6	0
4	Techno-economic Analysis for the Production of Novel Bio-derived Elastomers with Modified Algal Proteins as a Reinforcing Agent **2019**, 639-654		0
3	Injectable Hydrogels by Physical Crosslinking **2016**, 97-154		0
2	Catalyst: Advancing Polymer Science by Revisiting Known Plastics. *CheM*, **2018**, 4, 927-929	16.2	
1	Self-Assembly of Protein–Polymer Conjugates **2018**, 207-255		