Darrin J Pochan

List of Publications by Year
in descending order

147	19,539	11608	10708
papers	citations	70 h-index	138 g-index

147	147	147	16968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colloid-like solution behavior of computationally designed coiled coil bundlemers. Journal of Colloid and Interface Science, 2022, 606, 1974-1982.	5.0	3
2	Computational Design of Single-Peptide Nanocages with Nanoparticle Templating. Molecules, 2022, 27, 1237.	1.7	5
3	Computational Design of Homotetrameric Peptide Bundle Variants Spanning a Wide Range of Charge States. Biomacromolecules, 2022, 23, 1652-1661.	2.6	3
4	Rational Design of Bisphosphonate Lipid-like Materials for mRNA Delivery to the Bone Microenvironment. Journal of the American Chemical Society, 2022, 144, 9926-9937.	6.6	46
5	Recombinant expression of computationally designed peptide-bundlemers in Escherichia coli. Journal of Biotechnology, 2021, 330, 57-60.	1.9	5
6	Nanofibers Produced by Electrospinning of Ultrarigid Polymer Rods Made from Designed Peptide Bundlemers. ACS Applied Materials & Interfaces, 2021, 13, 26339-26351.	4.0	14
7	One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimer Delivery Systems for mRNA. Journal of the American Chemical Society, 2021, 143, 12315-12327.	6.6	66
8	Intramolecular structure and dynamics in computationally designed peptide-based polymers displaying tunable chain stiffness. Physical Review Materials, 2021, 5, .	0.9	1
9	Soft Matter Emerging Investigators 2021. Soft Matter, 2021, 17, 3532-3532.	1.2	0
10	Peptide Design and Self-assembly into Targeted Nanostructure and Functional Materials. Chemical Reviews, 2021, 121, 13915-13935.	23.0	116
11	Introduction: Molecular Self-Assembly. Chemical Reviews, 2021, 121, 13699-13700.	23.0	48
12	Hierarchical Self-Assembly of Poly(<scp>d</scp>-glucose carbonate) Amphiphilic Block Copolymers in Mixed Solvents. Macromolecules, 2020, 53, 8581-8591.	2.2	17
13	Computational Reverse-Engineering Analysis for Scattering Experiments on Amphiphilic Block Polymer Solutions. Journal of the American Chemical Society, 2019, 141, 14916-14930.	6.6	24
14	Soft Matter Emerging Investigators 2019. Soft Matter, 2019, 15, 1079-1086.	1.2	2
15	The peptide hormone glucagon forms amyloid fibrils with two coexisting Î²-strand conformations. Nature Structural and Molecular Biology, 2019, 26, 592-598.	3.6	58
16	Implementation of a High-Throughput Pilot Screen in Peptide Hydrogel-Based Three-Dimensional Cell Cultures. SLAS Discovery, 2019, 24, 714-723.	1.4	20
17	Experiments and Simulations of Complex Sugar-Based Coilâ^'Brush Block Polymer Nanoassemblies in Aqueous Solution. ACS Nano, 2019, 13, 5147-5162.	7.3	23
18	Twisted Ribbon Aggregates in a Model Peptide System. Langmuir, 2019, 35, 5802-5808.	1.6	16

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19	Polymers with controlled assembly and rigidity made with click-functional peptide bundles. Nature, 2019, 574, 658-662.	13.7	79
20	Polyelectrolyte character of rigid rod peptide bundlemer chains constructed via hierarchical self-assembly. Soft Matter, 2019, 15, 9858-9870.	1.2	15
21	Automated Highâ€Throughput Drug Discovery in Peptide Hydrogelâ€Based 3D Cell Cultures. FASEB Journal, 2019, 33, 811.5.	0.2	0
22	Dynamic protein folding at the surface of stimuliâ€responsive peptide fibrils. Protein Science, 2018, 27, 1243-1251.	3.1	6
23	Fabrication of One- and Two-Dimensional Gold Nanoparticle Arrays on Computationally Designed Self-Assembled Peptide Templates. Chemistry of Materials, 2018, 30, 8510-8520.	3.2	17
24	The Design and Applications of Beta-Hairpin Peptide Hydrogels. ACS Symposium Series, 2018, , 139-156.	0.5	0
25	Nanotubes, Plates, and Needles: Pathway-Dependent Self-Assembly of Computationally Designed Peptides. Biomacromolecules, 2018, 19, 4286-4298.	2.6	34
26	Block copolymer crystalsomes withÂan ultrathin shell to extend blood circulation time. Nature Communications, 2018, 9, 3005.	5.8	61
27	Self-assembly and soluble aggregate behavior of computationally designed coiled-coil peptide bundles. Soft Matter, 2018, 14, 5488-5496.	1.2	19
28	Î²-hairpin peptide hydrogels for package delivery. Advanced Drug Delivery Reviews, 2017, 110-111, 127-136.	6.6	56
29	Transition from disordered aggregates to ordered lattices: kinetic control of the assembly of a computationally designed peptide. Organic and Biomolecular Chemistry, 2017, 15, 6109-6118.	1.5	18
30	Beta-hairpin hydrogels as scaffolds for high-throughput drug discovery in three-dimensional cell culture. Analytical Biochemistry, 2017, 535, 25-34.	1.1	39
31	Computationally designed peptides for self-assembly of nanostructured lattices. Science Advances, 2016, 2, e1600307.	4.7	58
32	Highly branched and loop-rich gels via formation of metalâ€“organic cages linked by polymers. Nature Chemistry, 2016, 8, 33-41.	6.6	234
33	Sustained release of active chemotherapeutics from injectable-solid Î²-hairpin peptide hydrogel. Biomaterials Science, 2016, 4, 839-848.	2.6	61
34	Poly(anhydrideâ€ester) and Poly(Nâ€vinylâ€2â€pyrrolidone) Blends: Salicylic Acidâ€Releasing Blends with Hydrogelâ€Like Properties that Reduce Inflammation. Macromolecular Bioscience, 2015, 15, 342-350.	2.1	20
35	Peptide Hydrogels â€“ Versatile Matrices for 3D Cell Culture in Cancer Medicine. Frontiers in Oncology, 2015, 5, 92.	1.3	136
36	Automated nanostructure microscopic image characterization and analysis. , 2015, , .		2

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37	Pathway toward Large Two-Dimensional Hexagonally Patterned Colloidal Nanosheets in Solution. Journal of the American Chemical Society, 2015, 137, 1392-1395.	6.6	68
38	Influence of Hydrophobic Face Amino Acids on the Hydrogelation of Î²-Hairpin Peptide Amphiphiles. Macromolecules, 2015, 48, 1281-1288.	2.2	42
39	Recyclable Hybrid Inorganic/Organic Magnetically Active Networks for the Sequestration of Crude Oil from Aqueous Environments. Chemistry of Materials, 2015, 27, 3775-3782.	3.2	24
40	Glycodendrimersomes from Sequence-Defined Janus Glycodendrimers Reveal High Activity and Sensor Capacity for the Agglutination by Natural Variants of Human Lectins. Journal of the American Chemical Society, 2015, 137, 13334-13344.	6.6	87
41	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. Macromolecules, 2015, 48, 5621-5631.	2.2	37
42	Beta Hairpin Peptide Hydrogels as an Injectable Solid Vehicle for Neurotrophic Growth Factor Delivery. Biomacromolecules, 2015, 16, 2672-2683.	2.6	73
43	Rheology of peptideâ€•and proteinâ€based physical hydrogels: Are everyday measurements just scratching the surface?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 34-68.	3.3	92
44	Spontaneous shape changes in polymersomes via polymer/polymer segregation. Polymer Chemistry, 2014, 5, 489-501.	1.9	24
45	Engineering Complementary Hydrophobic Interactions to Control Î²-Hairpin Peptide Self-Assembly, Network Branching, and Hydrogel Properties. Biomacromolecules, 2014, 15, 3891-3900.	2.6	51
46	Structurally Defined Nanoscale Sheets from Self-Assembly of Collagen-Mimetic Peptides. Journal of the American Chemical Society, 2014, 136, 4300-4308.	6.6	126
47	â€œSingleâ€“Singleâ€•Amphiphilic Janus Dendrimers Self-Assemble into Uniform Dendrimersomes with Predictable Size. ACS Nano, 2014, 8, 1554-1565.	7.3	91
48	Self-Assembly of Amphiphilic Triblock Terpolymers Mediated by Multifunctional Organic Acids: Vesicles, Toroids, and (Undulated) Ribbons. Macromolecules, 2014, 47, 1672-1683.	2.2	28
49	Self-assembly of amphiphilic Janus dendrimers into uniform onion-like dendrimersomes with predictable size and number of bilayers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9058-9063.	3.3	145
50	Hyaluronic Acid-Based Hydrogels Containing Covalently Integrated Drug Depots: Implication for Controlling Inflammation in Mechanically Stressed Tissues. Biomacromolecules, 2013, 14, 3808-3819.	2.6	44
51	Responsive organogels formed by supramolecular self assembly of PEG-block-allyl-functionalized racemic polypeptides into Î²-sheet-driven polymeric ribbons. Soft Matter, 2013, 9, 5951.	1.2	32
52	Modular Synthesis of Amphiphilic Janus Glycodendrimers and Their Self-Assembly into Glycodendrimersomes and Other Complex Architectures with Bioactivity to Biomedically Relevant Lectins. Journal of the American Chemical Society, 2013, 135, 9055-9077.	6.6	261
53	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. Advanced Functional Materials, 2013, 23, 1767-1773.	7.8	68
54	Rapid and Versatile Construction of Diverse and Functional Nanostructures Derived from a Polyphosphoester-Based Biomimetic Block Copolymer System. Journal of the American Chemical Society, 2012, 134, 18467-18474.	6.6	165

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55	Mechano-responsive hydrogels crosslinked by block copolymer micelles. Soft Matter, 2012, 8, 10233.	1.2	68
56	Morphological transformations in a dually thermoresponsive coilâ€“rodâ€“coil bioconjugate. Soft Matter, 2012, 8, 3832.	1.2	38
57	Injectable Solid Peptide Hydrogel as a Cell Carrier: Effects of Shear Flow on Hydrogels and Cell Payload. Langmuir, 2012, 28, 6076-6087.	1.6	127
58	Approaching Asymmetry and Versatility in Polymer Assembly. Science, 2012, 337, 530-531.	6.0	10
59	Heatâ€Induced Morphological Transformation of Supramolecular Nanostructures by Retroâ€Dielsâ€“Alder Reaction. Chemistry - A European Journal, 2012, 18, 13091-13096.	1.7	45
60	Heavy metal ion hydrogelation of a self-assembling peptideviacysteinyl chelation. Journal of Materials Chemistry, 2012, 22, 1352-1357.	6.7	65
61	Structural analysis of â€œflexibleâ€•liposome formulations: new insights into the skin-penetrating ability of soft nanostructures. Soft Matter, 2012, 8, 10226.	1.2	47
62	Multicompartment and multigeometry nanoparticle assembly. Soft Matter, 2011, 7, 2500.	1.2	72
63	Enhanced Mechanical Rigidity of Hydrogels Formed from Enantiomeric Peptide Assemblies. Journal of the American Chemical Society, 2011, 133, 14975-14977.	6.6	175
64	Poly(acrylic acid-b-styrene) Amphiphilic Multiblock Copolymers as Building Blocks for the Assembly of Discrete Nanoparticles. Macromolecules, 2011, 44, 1942-1951.	2.2	62
65	Tuning core vs. shell dimensions to adjust the performance of nanoscopic containers for the loading and release of doxorubicin. Journal of Controlled Release, 2011, 152, 37-48.	4.8	61
66	Assembly Properties of an Alanineâ€Rich, Lysineâ€Containing Peptide and the Formation of Peptide/Polymer Hybrid Hydrogels. Macromolecular Chemistry and Physics, 2011, 212, 229-239.	1.1	28
67	Zincâ€Triggered Hydrogelation of a Selfâ€Assembling Î²â€Hairpin Peptide. Angewandte Chemie - International Edition, 2011, 50, 1577-1579.	7.2	120
68	Encapsulation of curcumin in self-assembling peptide hydrogels as injectable drug delivery vehicles. Biomaterials, 2011, 32, 5906-5914.	5.7	418
69	Controlled biodegradation of Self-assembling Î²-hairpin Peptide hydrogels by proteolysis with matrix metalloproteinase-13. Biomaterials, 2011, 32, 6471-6477.	5.7	97
70	Amphiphilic Block Co-polyesters Bearing Pendant Cyclic Ketal Groups as Nanocarriers for Controlled Release of Camptothecin. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 1275-1298.	1.9	11
71	The effect of protein structure on their controlled release from an injectable peptide hydrogel. Biomaterials, 2010, 31, 9527-9534.	5.7	157
72	Cryogenic Transmission Electron Microscopy for Direct Observation of Polymer and Small-Molecule Materials and Structures in Solution. Polymer Reviews, 2010, 50, 287-320.	5.3	39

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73	Modular Synthesis of Biodegradable Diblock Copolymers for Designing Functional Polymersomes. Journal of the American Chemical Society, 2010, 132, 3654-3655.	6.6	116
74	De Novo Design of a Shear-Thin Recoverable Peptide-Based Hydrogel Capable of Intrafibrillar Photopolymerization. Macromolecules, 2010, 43, 7924-7930.	2.2	53
75	Peptideâ^'Silica Hybrid Networks: Biomimetic Control of Network Mechanical Behavior. ACS Nano, 2010, 4, 181-188.	7.3	69
76	Evaluation of Isoprene Chain Extension from PEO Macromolecular Chain Transfer Agents for the Preparation of Dual, Invertible Block Copolymer Nanoassemblies. Macromolecules, 2010, 43, 7128-7138.	2.2	45
77	Structureâ^'Property Correlations in Hybrid Polymerâ^'Nanoparticle Electrospun Fibers and Plasmonic Control over their Dichroic Behavior. ACS Nano, 2010, 4, 5551-5558.	7.3	28
78	Polymersome Stomatocytes: Controlled Shape Transformation in Polymer Vesicles. Journal of the American Chemical Society, 2010, 132, 12522-12524.	6.6	199
79	A Giant Surfactant of Polystyreneâ^'(Carboxylic Acid-Functionalized Polyhedral Oligomeric) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 the American Chemical Society, 2010, 132, 16741-16744.	6.6	235
80	Rheological properties of peptide-based hydrogels for biomedical and other applications. Chemical Society Reviews, 2010, 39, 3528.	18.7	641
81	Injectable solid hydrogel: mechanism of shear-thinning and immediate recovery of injectable Î²-hairpin peptide hydrogels. Soft Matter, 2010, 6, 5143.	1.2	298
82	Tailored Assemblies of Block Copolymers in Solution: It Is All about the Process. Macromolecules, 2010, 43, 3577-3584.	2.2	474
83	Hybrid, elastomeric hydrogels crosslinked by multifunctional block copolymer micelles. Soft Matter, 2010, 6, 5293.	1.2	44
84	Design of an Injectable Î²â€Hairpin Peptide Hydrogel That Kills Methicillinâ€Resistant Staphylococcus aureus. Advanced Materials, 2009, 21, 4120-4123.	11.1	156
85	Helicalâ€Ribbon Formation by a Î²â€Amino Acid Modified Amyloid Î²â€Peptide Fragment. Angewandte Chemie - International Edition, 2009, 48, 2317-2320.	7.2	85
86	Oneâ€Dimensional Gold Nanoparticle Arrays by Electrostatically Directed Organization Using Polypeptide Selfâ€Assembly. Angewandte Chemie - International Edition, 2009, 48, 7078-7082.	7.2	65
87	Spots and stripes. Nature Materials, 2009, 8, 773-774.	13.3	5
88	Macromolecular diffusion and release from self-assembled Î²-hairpin peptide hydrogels. Biomaterials, 2009, 30, 1339-1347.	5.7	212
89	Folding, Self-Assembly, and Bulk Material Properties of a De Novo Designed Three-Stranded Î²-Sheet Hydrogel. Biomacromolecules, 2009, 10, 1295-1304.	2.6	82
90	Structural Analysis and Mechanical Characterization of Hyaluronic Acid-Based Doubly Cross-Linked Networks. Macromolecules, 2009, 42, 537-546.	2.2	112

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91	Tuning the pH Responsiveness of Î²-Hairpin Peptide Folding, Self-Assembly, and Hydrogel Material Formation. Biomacromolecules, 2009, 10, 2619-2625.	2.6	161
92	Dependence of Self-Assembled Peptide Hydrogel Network Structure on Local Fibril Nanostructure. Macromolecules, 2009, 42, 7137-7145.	2.2	87
93	Enzymatically Triggered Self-Assembly of Block Copolymers. Journal of the American Chemical Society, 2009, 131, 13949-13951.	6.6	152
94	Fast Dynamics of Semiflexible Chain Networks of Self-Assembled Peptides. Biomacromolecules, 2009, 10, 1374-1380.	2.6	72
95	Origins of toroidal micelle formation through charged triblock copolymer self-assembly. Soft Matter, 2009, 5, 1269-1278.	1.2	102
96	In vitro assessment of the pro-inflammatory potential of Î²-hairpin peptide hydrogels. Biomaterials, 2008, 29, 4164-4169.	5.7	54
97	Nematic and Columnar Ordering of a PEGâ€“Peptide Conjugate in Aqueous Solution. Chemistry - A European Journal, 2008, 14, 11369-11375.	1.7	46
98	De Novo Design of Strand-Swapped Î²-Hairpin Hydrogels. Journal of the American Chemical Society, 2008, 130, 4466-4474.	6.6	136
99	Helix self-assembly through the coiling of cylindrical micelles. Soft Matter, 2008, 4, 90-93.	1.2	163
100	Correlations between structure, material properties and bioproperties in self-assembled Î²-hairpin peptide hydrogels. Faraday Discussions, 2008, 139, 251.	1.6	115
101	Direct Observation of Early-Time Hydrogelation in Î²-Hairpin Peptide Self-Assembly. Macromolecules, 2008, 41, 5763-5772.	2.2	83
102	Nanoparticles with Tunable Internal Structure from Triblock Copolymers of PAA-b-PMA-b-PS. Nano Letters, 2008, 8, 2023-2026.	4.5	108
103	Controlling hydrogelation kinetics by peptide design for three-dimensional encapsulation and injectable delivery of cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7791-7796.	3.3	604
104	Polymer Nanocomposites for Biomedical Applications. MRS Bulletin, 2007, 32, 354-358.	1.7	251
105	Controlled Stacking of Charged Block Copolymer Micelles. Langmuir, 2007, 23, 4689-4694.	1.6	49
106	Structural Effects on the Biodistribution and Positron Emission Tomography (PET) Imaging of Well-Defined ⁶⁴Cu-Labeled Nanoparticles Comprised of Amphiphilic Block Graft Copolymers. Biomacromolecules, 2007, 8, 3126-3134.	2.6	125
107	Inherent Antibacterial Activity of a Peptide-Based Î²-Hairpin Hydrogel. Journal of the American Chemical Society, 2007, 129, 14793-14799.	6.6	316
108	Reversible Stiffening Transition in Î²-Hairpin Hydrogels Induced by Ion Complexation. Journal of Physical Chemistry B, 2007, 111, 13901-13908.	1.2	37

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109	Elucidating the assembled structure of amphiphiles in solution via cryogenic transmission electron microscopy. Soft Matter, 2007, 3, 945.	1.2	187
110	Poly(L-lysine) and clay nanocomposite with desired matrix secondary structure: Effects of polypeptide molecular weight. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 239-252.	2.4	11
111	Block Copolymer Assembly via Kinetic Control. Science, 2007, 317, 647-650.	6.0	969
112	Controlling Micellar Structure of Amphiphilic Charged Triblock Copolymers in Dilute Solution via Coassembly with Organic Counterions of Different Spacer Lengths. Macromolecules, 2006, 39, 6599-6607.	2.2	99
113	Self-Assembled Nanocages for Hydrophilic Guest Molecules. Journal of the American Chemical Society, 2006, 128, 14599-14605.	6.6	64
114	Gelation Kinetics of Î²-Hairpin Peptide Hydrogel Networks. Macromolecules, 2006, 39, 6608-6614.	2.2	102
115	Hydrogels Constructed via Î²-Hairpin Peptide Self-Assembly. ACS Symposium Series, 2006, , 284-297.	0.5	2
116	Using polyelectrolyte block copolymers to tune nanostructure assembly. Current Opinion in Colloid and Interface Science, 2006, 11, 330-336.	3.4	51
117	Probing the importance of lateral hydrophobic association in self-assembling peptide hydrogelators. European Biophysics Journal, 2006, 35, 162-169.	1.2	79
118	Cytocompatibility of self-assembled Î²-hairpin peptide hydrogel surfaces. Biomaterials, 2005, 26, 5177-5186.	5.7	266
119	Synthesis and Antibacterial Properties of Silver Nanoparticles. Journal of Nanoscience and Nanotechnology, 2005, 5, 244-249.	0.9	734
120	Preparation and Characterization of Synthetic Polypeptide Single Crystals with Controlled Thickness. Macromolecules, 2005, 38, 7371-7377.	2.2	28
121	Disk Morphology and Disk-to-Cylinder Tunability of Poly(Acrylic Acid)-b-Poly(Methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26	1.6	112
122	Unique Toroidal Morphology from Composition and Sequence Control of Triblock Copolymers. Journal of the American Chemical Society, 2005, 127, 8592-8593.	6.6	140
123	Polypeptide-Templated Synthesis of Hexagonal Silica Platelets. Journal of the American Chemical Society, 2005, 127, 12577-12582.	6.6	208
124	Laminated Morphology of Nontwisting Î²-Sheet Fibrils Constructed via Peptide Self-Assembly. Journal of the American Chemical Society, 2005, 127, 16692-16700.	6.6	187
125	Light-Activated Hydrogel Formation via the Triggered Folding and Self-Assembly of a Designed Peptide. Journal of the American Chemical Society, 2005, 127, 17025-17029.	6.6	347
126	Charged Polypeptide Vesicles with Controllable Diameter. Journal of the American Chemical Society, 2005, 127, 12423-12428.	6.6	336

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127	Crystallization Behavior of Poly(l-lactic acid) Nanocomposites:Â Nucleation and Growth Probed by Infrared Spectroscopy. Macromolecules, 2005, 38, 6520-6527.	2.2	182
128	Semiflexible Chain Networks Formed via Self-Assembly ofÎ²-Hairpin Molecules. Physical Review Letters, 2004, 93, 268106.	2.9	109
129	Stimuli-responsive polypeptide vesicles by conformation-specific assembly. Nature Materials, 2004, 3, 244-248.	13.3	717
130	Rodâ€“rod and rodâ€“coil self-assembly and phase behavior of polypeptide diblock copolymers. Polymer, 2004, 45, 1951-1957.	1.8	85
131	Unusual Crystallization Behavior of Organoclay Reinforced Poly(l-lactic acid) Nanocomposites. Macromolecules, 2004, 37, 6480-6491.	2.2	223
132	Effect of Chemistry and Morphology on the Biofunctionality of Self-Assembling Diblock Copolypeptide Hydrogels. Biomacromolecules, 2004, 5, 312-318.	2.6	75
133	Salt-Triggered Peptide Folding and Consequent Self-Assembly into Hydrogels with Tunable Modulus. Macromolecules, 2004, 37, 7331-7337.	2.2	382
134	Toroidal Triblock Copolymer Assemblies. Science, 2004, 306, 94-97.	6.0	740
135	Thermally Reversible Hydrogels via Intramolecular Folding and Consequent Self-Assembly of a de Novo Designed Peptide. Journal of the American Chemical Society, 2003, 125, 11802-11803.	6.6	433
136	Poly (l-Lactic Acid)/Layered Silicate Nanocomposite:Â Fabrication, Characterization, and Properties. Chemistry of Materials, 2003, 15, 4317-4324.	3.2	316
137	SANS and Cryo-TEM Study of Self-Assembled Diblock Copolypeptide Hydrogels with Rich Nano- through Microscale Morphology. Macromolecules, 2002, 35, 5358-5360.	2.2	82
138	Architectural Disparity Effects in the Morphology of Dendrimerâ^'Linear Coil Diblock Copolymers. Macromolecules, 2002, 35, 9239-9242.	2.2	24
139	Responsive Hydrogels from the Intramolecular Folding and Self-Assembly of a Designed Peptide. Journal of the American Chemical Society, 2002, 124, 15030-15037.	6.6	851
140	Rapidly recovering hydrogel scaffolds from self-assembling diblock copolypeptide amphiphiles. Nature, 2002, 417, 424-428.	13.7	793
141	Polypeptide-based nanocomposite: Structure and properties of poly(L-lysine)/Na+-montmorillonite. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2579-2586.	2.4	66
142	Thermal Expansion of Supported Thin Polymer Films:â€‰ A Direct Comparison of Free Surface vs Total Confinement. Macromolecules, 2001, 34, 3041-3045.	2.2	61
143	Neutron Reflectivity Measurements of Molecular Weight Effects on Polymer Mobility near the Polymer/Solid Interface. Materials Research Society Symposia Proceedings, 2000, 629, 1.	0.1	1
144	Methylated Mono- and Diethyleneglycol Functionalized Polylysines:Â Nonionic, Î±-Helical, Water-Soluble Polypeptides. Journal of the American Chemical Society, 1999, 121, 12210-12211.	6.6	141

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145	Morphologies of Microphase-Separated A2B Simple Graft Copolymers. Macromolecules, 1996, 29, 5091-5098.	2.2	124
146	Synthesis, Characterization, and Morphology of Model Graft Copolymers with Trifunctional Branch Points. Macromolecules, 1996, 29, 7022-7028.	2.2	142
147	Morphological Transitions in an I2S Simple Graft Block Copolymer:Â From Folded Sheets to Folded Lace to Randomly Oriented Worms at Equilibrium. Macromolecules, 1996, 29, 5099-5105.	2.2	70