Ian W Hamley

List of Publications by Year
in descending order

451 papers	27,035 citations	8181 76 h-index	10158 140 g-index
489 all docs	489 docs citations	489 times ranked	20830 citing authors

#	Article	IF	Citations
1	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. Macromolecules, 1995, 28, 8796-8806.	4.8	965
2	Nanotechnology with Soft Materials. Angewandte Chemie - International Edition, 2003, 42, 1692-1712.	13.8	840
3	The Amyloid Beta Peptide: A Chemistâ€™s Perspective. Role in Alzheimerâ€™s and Fibrillization. Chemical Reviews, 2012, 112, 5147-5192.	47.7	785
4	A Healable Supramolecular Polymer Blend Based on Aromatic Ï€âˆ’Ï€ Stacking and Hydrogen-Bonding Interactions. Journal of the American Chemical Society, 2010, 132, 12051-12058.	13.7	779
5	Nanostructure fabrication using block copolymers. Nanotechnology, 2003, 14, R39-R54.	2.6	735
6	Self-assembling peptide and protein amyloids: from structure to tailored function in nanotechnology. Chemical Society Reviews, 2017, 46, 4661-4708.	38.1	670
7	Peptide Fibrillization. Angewandte Chemie - International Edition, 2007, 46, 8128-8147.	13.8	564
8	Ordering in thin films of block copolymers: Fundamentals to potential applications. Progress in Polymer Science, 2009, 34, 1161-1210.	24.7	495
9	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. Macromolecules, 1994, 27, 6922-6935.	4.8	412
10	Self-assembly of amphiphilic peptides. Soft Matter, 2011, 7, 4122.	2.7	390
11	Low-Molecular-Weight Gelators: Elucidating the Principles of Gelation Based on Gelator Solubility and a Cooperative Self-Assembly Model. Journal of the American Chemical Society, 2008, 130, 9113-9121.	13.7	361
12	Half a century of amyloids: past, present and future. Chemical Society Reviews, 2020, 49, 5473-5509.	38.1	345
13	Small Bioactive Peptides for Biomaterials Design and Therapeutics. Chemical Reviews, 2017, 117, 14015-14041.	47.7	317
14	Selfâ€assembling amphiphilic peptides. Journal of Peptide Science, 2014, 20, 453-467.	1.4	306
15	Peptide Nanotubes. Angewandte Chemie - International Edition, 2014, 53, 6866-6881.	13.8	292
16	Self-Assembly and Hydrogelation of an Amyloid Peptide Fragment. Biochemistry, 2008, 47, 4597-4605.	2.5	265
17	Hexagonal mesophases between lamellae and cylinders in a diblock copolymer melt. Macromolecules, 1993, 26, 5959-5970.	4.8	263
18	PEGâ€“Peptide Conjugates. Biomacromolecules, 2014, 15, 1543-1559.	5.4	246

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19	Crystallization in Oriented Semicrystalline Diblock Copolymers. Macromolecules, 1996, 29, 8835-8843.	4.8	231
20	Structure Development in Semicrystalline Diblock Copolymers Crystallizing from the Ordered Melt. Macromolecules, 1995, 28, 3860-3868.	4.8	230
21	Lipopeptides: from self-assembly to bioactivity. Chemical Communications, 2015, 51, 8574-8583.	4.1	228
22	Transformations to and from the Gyroid Phase in a Diblock Copolymer. Macromolecules, 1998, 31, 5702-5716.	4.8	216
23	Measurement of intrinsic properties of amyloid fibrils by the peak force QNM method. Nanoscale, 2012, 4, 4426.	5.6	175
24	A Small-Angle Neutron and X-ray Contrast Variation Scattering Study of the Structure of Block Copolymer Micelles:â€‰ Corona Shape and Excluded Volume Interactions. Macromolecules, 2003, 36, 416-433.	4.8	168
25	Nucleation and Crystallization in Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecules, 2003, 36, 1633-1644.	4.8	167
26	Water-Soluble, Unimolecular Containers Based on Amphiphilic Multiarm Star Block Copolymers. Macromolecules, 2006, 39, 4507-4516.	4.8	154
27	Crystallization in Poly(l-lactide)-b-poly(Îµ-caprolactone) Double Crystalline Diblock Copolymers:Â A Study Using X-ray Scattering, Differential Scanning Calorimetry, and Polarized Optical Microscopy. Macromolecules, 2005, 38, 463-472.	4.8	152
28	Synthesis and Characterization of Biocompatible, Thermoresponsive ABC and ABA Triblock Copolymer Gelators. Langmuir, 2005, 21, 11026-11033.	3.5	144
29	Liquid crystal phase formation by biopolymers. Soft Matter, 2010, 6, 1863.	2.7	143
30	Assembly of an Injectable Noncytotoxic Peptide-Based Hydrogelator for Sustained Release of Drugs. Langmuir, 2014, 30, 929-936.	3.5	143
31	Self-assembly of bioactive peptides, peptide conjugates, and peptide mimetic materials. Organic and Biomolecular Chemistry, 2017, 15, 5867-5876.	2.8	136
32	Self-nucleation and crystallization kinetics of double crystalline poly(p-dioxanone)-b-poly(Îµ-caprolactone) diblock copolymers. Faraday Discussions, 2005, 128, 231-252.	3.2	135
33	Nanoscale Structure of Poly(Ethylene Glycol) Hybrid Block Copolymers containing Amphiphilic Î²-Strand Peptide Sequences. Biomacromolecules, 2003, 4, 859-863.	5.4	132
34	From Hard Spheres to Soft Spheres:Â The Effect of Copolymer Composition on the Structure of Micellar Cubic Phases Formed by Diblock Copolymers in Aqueous Solution. Langmuir, 2000, 16, 2508-2514.	3.5	131
35	Amphiphilic Peptide-Based Supramolecular, Noncytotoxic, Stimuli-Responsive Hydrogels with Antibacterial Activity. Biomacromolecules, 2017, 18, 3621-3629.	5.4	127
36	Rapid swelling and deswelling of thermoreversible hydrophobically modified poly(N-isopropylacrylamide) hydrogels prepared by freezing polymerisation. Polymer, 2002, 43, 5181-5186.	3.8	126

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37	Nanoshells and nanotubes from block copolymers. Soft Matter, 2005, 1, 36.	2.7	126
38	Morphologies of Microphase-Separated A2B Simple Graft Copolymers. Macromolecules, 1996, 29, 5091-5098.	4.8	124
39	Self-Assembly of Peptide Nanotubes in an Organic Solvent. Langmuir, 2008, 24, 8158-8162.	3.5	124
40	Hydrogelation and Self-Assembly of Fmoc-Tripeptides: Unexpected Influence of Sequence on Self-Assembled Fibril Structure, and Hydrogel Modulus and Anisotropy. Langmuir, 2010, 26, 4990-4998.	3.5	121
41	Interplay between Smectic Ordering and Microphase Separation in a Series of Side-Group Liquid-Crystal Block Copolymers. Macromolecules, 2004, 37, 4798-4807.	4.8	120
42	Direct Observation of Timeâ€Resolved Polymorphic States in the Selfâ€Assembly of Endâ€Capped Heptapeptides. Angewandte Chemie - International Edition, 2011, 50, 5495-5498.	13.8	119
43	Analysis of neutron and X-ray reflectivity data. II. Constrained least-squares methods. Journal of Applied Crystallography, 1994, 27, 36-49.	4.5	117
44	Chain Folding in Crystallizable Block Copolymers. Macromolecules, 1997, 30, 1723-1727.	4.8	116
45	Solution Self-Assembly of Hybrid Block Copolymers Containing Poly(ethylene glycol) and Amphiphilic Î²-Strand Peptide Sequences. Biomacromolecules, 2005, 6, 1310-1315.	5.4	116
46	Crystallization of nanoscale-confined diblock copolymer chains. Polymer, 1996, 37, 4425-4429.	3.8	112
47	Hydrogelation of self-assembling RGD-based peptides. Soft Matter, 2011, 7, 1326-1333.	2.7	112
48	Structure and flow behaviour of block copolymers. Journal of Physics Condensed Matter, 2001, 13, R643-R671.	1.8	111
49	Melt Structure and its Transformation by Sequential Crystallization of the Two Blocks within Poly(L-lactide)-block-Poly(É›-caprolactone) Double Crystalline Diblock Copolymers. Macromolecular Chemistry and Physics, 2006, 207, 941-953.	2.2	106
50	Peptide based hydrogels for cancer drug release: modulation of stiffness, drug release and proteolytic stability of hydrogels by incorporating <scp>d</scp>-amino acid residue(s). Chemical Communications, 2016, 52, 5045-5048.	4.1	106
51	Self assembly of a model amphiphilic phenylalanine peptide/polyethylene glycol block copolymer in aqueous solution. Biophysical Chemistry, 2009, 141, 169-174.	2.8	105
52	Self-Organisation in the Assembly of Gels from Mixtures of Different Dendritic Peptide Building Blocks. Chemistry - A European Journal, 2007, 13, 2180-2188.	3.3	101
53	Biological Soft Materials. Angewandte Chemie - International Edition, 2007, 46, 4442-4455.	13.8	101
54	Hydrogen Bonded Supramolecular Elastomers: Correlating Hydrogen Bonding Strength with Morphology and Rheology. Macromolecules, 2010, 43, 2512-2517.	4.8	101

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55	Synthesis and characterization of hydrophobically modified polyacrylamides and some observations on rheological properties. European Polymer Journal, 2004, 40, 47-56.	5.4	99
56	A Peptide-Based Mechano-sensitive, Proteolytically Stable Hydrogel with Remarkable Antibacterial Properties. Langmuir, 2016, 32, 1836-1845.	3.5	99
57	Multiwalled Nanotubes Formed by Catanionic Mixtures of Drug Amphiphiles. ACS Nano, 2014, 8, 12690-12700.	14.6	98
58	Chain Folding in Semicrystalline Oxyethylene/Oxybutylene Diblock Copolymers. Macromolecules, 1997, 30, 8392-8400.	4.8	97
59	Selfâ€Assembly of Twoâ€Component Gels: Stoichiometric Control and Component Selection. Chemistry - A European Journal, 2009, 15, 372-379.	3.3	96
60	Selective and highly efficient dye scavenging by a pH-responsive molecular hydrogelator. Chemical Communications, 2010, 46, 7960.	4.1	96
61	Thermal Fractionation and Isothermal Crystallization of Polyethylene Nanocomposites Prepared by in Situ Polymerization. Macromolecules, 2008, 41, 2087-2095.	4.8	94
62	A Direct Comparison of One- and Two-Component Dendritic Self-Assembled Materials:Â Elucidating Molecular Recognition Pathways. Journal of the American Chemical Society, 2005, 127, 7130-7139.	13.7	93
63	Self-assembled arginine-coated peptide nanosheets in water. Chemical Communications, 2013, 49, 1850.	4.1	92
64	Micelles and gels of oxyethyleneâ€“oxybutylene diblock copolymers in aqueous solution: The effect of oxyethylene-block length. Physical Chemistry Chemical Physics, 1999, 1, 2773-2785.	2.8	91
65	Influence of the Solvent on the Self-Assembly of a Modified Amyloid Beta Peptide Fragment. I. Morphological Investigation. Journal of Physical Chemistry B, 2009, 113, 9978-9987.	2.6	90
66	Ordered Phases in Aqueous Solutions of Diblock Oxyethylene/Oxybutylene Copolymers Investigated by Simultaneous Small-Angle X-ray Scattering and Rheology. Macromolecules, 1997, 30, 5721-5728.	4.8	88
67	Fractionated Crystallization and Fractionated Melting of Confined PEO Microdomains in PB-b-PEO and PE-b-PEO Diblock Copolymers. Macromolecules, 2008, 41, 879-889.	4.8	87
68	A Thermoreversible Supramolecular Polyurethane with Excellent Healing Ability at 45 Â°C. Macromolecules, 2015, 48, 6132-6141.	4.8	87
69	Aqueous mesophases of block copolymers of ethylene oxide and 1,2-butylene oxide. Physical Chemistry Chemical Physics, 2001, 3, 2972-2980.	2.8	85
70	Thermoreversible swelling behaviour of hydrogels based on N-isopropylacrylamide with a hydrophobic comonomer. Polymer, 2002, 43, 3069-3077.	3.8	85
71	Thermo-responsive Poly(methyl methacrylate)-block-poly(N-isopropylacrylamide) Block Copolymers Synthesized by RAFT Polymerization: Micellization and Gelation. Macromolecular Chemistry and Physics, 2006, 207, 1718-1726.	2.2	85
72	Helicalâ€Ribbon Formation by a Î²â€Amino Acid Modified Amyloid Î²â€Peptide Fragment. Angewandte Chemie - International Edition, 2009, 48, 2317-2320.	13.8	85

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73	A tripeptide-based self-shrinking hydrogel for waste-water treatment: removal of toxic organic dyes and lead (Pb²⁺) ions. Chemical Communications, 2017, 53, 5910-5913.	4.1	85
74	Fibrillisation of hydrophobically modified amyloid peptide fragments in an organic solvent. Soft Matter, 2007, 3, 1401.	2.7	84
75	Analysis of neutron and X-ray reflectivity data. I. Theory. Journal of Applied Crystallography, 1994, 27, 29-35.	4.5	80
76	Ordering on multiple lengthscales in a series of side group liquid crystal block copolymers containing a cholesteryl-based mesogen. Soft Matter, 2005, 1, 355.	2.7	79
77	Protein Assemblies: Nature-Inspired and Designed Nanostructures. Biomacromolecules, 2019, 20, 1829-1848.	5.4	79
78	Cell Dynamics Simulations of Microphase Separation in Block Copolymers. Macromolecules, 2001, 34, 116-126.	4.8	78
79	Self-assembly of a peptide amphiphile: transition from nanotape fibrils to micelles. Soft Matter, 2013, 9, 3558.	2.7	78
80	Crystallization thermodynamics and kinetics in semicrystalline diblock copolymers. Polymer, 1998, 39, 1429-1437.	3.8	77
81	Influence of the Solvent on the Self-Assembly of a Modified Amyloid Beta Peptide Fragment. II. NMR and Computer Simulation Investigation. Journal of Physical Chemistry B, 2010, 114, 940-951.	2.6	77
82	Reversible helical unwinding transition of a self-assembling peptide amphiphile. Soft Matter, 2013, 9, 9290.	2.7	77
83	Contrast Variation Small-Angle Neutron Scattering Study of the Structure of Block Copolymer Micelles in a Slightly Selective Solvent at Semidilute Concentrations. Macromolecules, 2000, 33, 542-550.	4.8	76
84	Peptide hormones and lipopeptides: from selfâ€assembly to therapeutic applications. Journal of Peptide Science, 2017, 23, 82-94.	1.4	76
85	Morphologies of block copolymer melts. Current Opinion in Solid State and Materials Science, 2004, 8, 426-438.	11.5	74
86	The effect of shear on ordered block copolymer solutions. Current Opinion in Colloid and Interface Science, 2000, 5, 341-349.	7.4	73
87	Ordered melts of block copolymers of ethylene oxide and 1,2-butylene oxide. Physical Chemistry Chemical Physics, 2001, 3, 2961-2971.	2.8	71
88	pHâ€Tunable Hydrogelators for Water Purification: Structural Optimisation and Evaluation. Chemistry - A European Journal, 2012, 18, 2692-2699.	3.3	70
89	Shear-Induced Orientational Transitions in the Body-Centered Cubic Phase of a Diblock Copolymer Gel. Macromolecules, 1998, 31, 3906-3911.	4.8	69
90	Small-angle scattering of block copolymers. Progress in Polymer Science, 2004, 29, 909-948.	24.7	69

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91	Tuning the Self-Assembly of the Bioactive Dipeptide <scp>l</scp>-Carnosine by Incorporation of a Bulky Aromatic Substituent. Langmuir, 2011, 27, 2980-2988.	3.5	67
92	Microstructure and Physical Properties of a pH-Responsive Gel Based on a Novel Biocompatible ABA-Type Triblock Copolymer. Langmuir, 2004, 20, 4306-4309.	3.5	66
93	Fibrillar superstructure from extended nanotapes formed by a collagen-stimulating peptide. Chemical Communications, 2010, 46, 9185.	4.1	66
94	Ex vivo expansion of limbal stem cells is affected by substrate properties. Stem Cell Research, 2012, 8, 403-409.	0.7	65
95	An adhesive elastomeric supramolecular polyurethane healable at body temperature. Chemical Science, 2016, 7, 4291-4300.	7.4	65
96	Micellar Ordering in Concentrated Solutions of Di- and Triblock Copolymers in a Slightly Selective Solvent. Macromolecules, 1998, 31, 1188-1196.	4.8	64
97	Microphase Separation in Poly(oxyethylene)â^'Poly(oxybutylene) Diblock Copolymers. Macromolecules, 1998, 31, 8110-8116.	4.8	63
98	Structure and Dynamics of Concentrated Solutions of Asymmetric Block Copolymers in Slightly Selective Solvents. Macromolecules, 1996, 29, 5955-5964.	4.8	62
99	Non-linear rheology of a face-centred cubic phase in a diblock copolymer gel. Rheologica Acta, 2001, 40, 39-48.	2.4	62
100	Self-assembled columns of fullerene. Journal of Materials Chemistry, 2005, 15, 4429.	6.7	62
101	Structure of single-wall peptide nanotubes: in situ flow aligning X-ray diffraction. Chemical Communications, 2010, 46, 6270.	4.1	62
102	Self-Assembly of a Peptide Amphiphile Containing <scp>l</scp>-Carnosine and Its Mixtures with a Multilamellar Vesicle Forming Lipid. Langmuir, 2012, 28, 11599-11608.	3.5	61
103	Structure, rheology and shear alignment of Pluronic block copolymer mixtures. Journal of Colloid and Interface Science, 2009, 329, 54-61.	9.4	60
104	Effect of shear on cubic phases in gels of a diblock copolymer. Journal of Chemical Physics, 1998, 108, 6929-6936.	3.0	59
105	Insights into the Molecular Architecture of a Peptide Nanotube Using FTIR and Solidâ€State NMR Spectroscopic Measurements on an Aligned Sample. Angewandte Chemie - International Edition, 2013, 52, 10537-10540.	13.8	59
106	Orderâ^'Disorder Transition in Poly(oxyethylene)â^'Poly(oxybutylene) Diblock Copolymers. Macromolecules, 1996, 29, 6212-6221.	4.8	58
107	A Small-Angle Neutron Scattering Study of Spherical and Wormlike Micelles Formed by Poly(oxyethylene)-Based Diblock Copolymers. Langmuir, 2001, 17, 6386-6388.	3.5	58
108	Effect of PEG Crystallization on the Self-Assembly of PEG/Peptide Copolymers Containing Amyloid Peptide Fragments. Langmuir, 2008, 24, 8210-8214.	3.5	58

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109	Collagen Stimulating Effect of Peptide Amphiphile C₁₆â€“KTTKS on Human Fibroblasts. Molecular Pharmaceutics, 2013, 10, 1063-1069.	4.6	58
110	Hybrid Proton and Electron Transport in Peptide Fibrils. Advanced Functional Materials, 2014, 24, 5873-5880.	14.9	58
111	Peptide mediated formation of hierarchically organized solution and solid state polymer nanostructures. Faraday Discussions, 2005, 128, 29-41.	3.2	57
112	PEGylated Amyloid Peptide Nanocontainer Delivery and Release System. Langmuir, 2010, 26, 11624-11627.	3.5	57
113	The effect of pH on the self-assembly of a collagen derived peptide amphiphile. Soft Matter, 2013, 9, 6033.	2.7	57
114	Time-dependent gel to gel transformation of a peptide based supramolecular gelator. Soft Matter, 2015, 11, 4944-4951.	2.7	57
115	Cell dynamics simulations of block copolymers. Macromolecular Theory and Simulations, 2000, 9, 363-380.	1.4	56
116	Rheology and structures of aqueous gels of diblock(oxyethyleneâ€“oxybutylene) copolymers with lengthy oxyethylene blocks. Physical Chemistry Chemical Physics, 2000, 2, 2755-2763.	2.8	56
117	In Situ Atomic Force Microscopy Imaging of Adsorbed Block Copolymer Micelles. Macromolecules, 2004, 37, 5337-5351.	4.8	56
118	Rheological and Structural Characterization of Hydrophobically Modified Polyacrylamide Solutions in the Semidilute Regime. Macromolecules, 2004, 37, 1492-1501.	4.8	56
119	Self-assembly of Fmoc-tetrapeptides based on the RGDS cell adhesion motif. Soft Matter, 2011, 7, 11405.	2.7	56
120	Coassembly in Binary Mixtures of Peptide Amphiphiles Containing Oppositely Charged Residues. Langmuir, 2013, 29, 5050-5059.	3.5	56
121	Peptide-Stabilized Emulsions and Gels from an Arginine-Rich Surfactant-like Peptide with Antimicrobial Activity. ACS Applied Materials & Interfaces, 2019, 11, 9893-9903.	8.0	56
122	Peptide-Based Gel in Environmental Remediation: Removal of Toxic Organic Dyes and Hazardous Pb²⁺ and Cd²⁺ Ions from Wastewater and Oil Spill Recovery. Langmuir, 2020, 36, 12942-12953.	3.5	56
123	Mechanism of the Transition between Lamellar and Gyroid Phases Formed by a Diblock Copolymer in Aqueous Solution. Langmuir, 2004, 20, 10785-10790.	3.5	55
124	Toll-like receptor agonist lipopeptides self-assemble into distinct nanostructures. Chemical Communications, 2014, 50, 15948-15951.	4.1	55
125	Interaction between a Cationic Surfactant-like Peptide and Lipid Vesicles and Its Relationship to Antimicrobial Activity. Langmuir, 2013, 29, 14246-14253.	3.5	54
126	Arginine-Containing Surfactant-Like Peptides: Interaction with Lipid Membranes and Antimicrobial Activity. Biomacromolecules, 2018, 19, 2782-2794.	5.4	54

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127	Liquid crystal tetramers. Journal of Materials Chemistry, 1999, 9, 2321-2325.	6.7	53
128	Amphiphilic diblock copolymer gels: the relationship between structure and rheology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 1017-1044.	3.4	53
129	Crystallization in block copolymer melts: Small soft structures that template larger hard structures. Journal of Chemical Physics, 2001, 114, 5425-5431.	3.0	53
130	Self-Assembly of PEGylated Peptide Conjugates Containing a Modified Amyloid Î²-Peptide Fragment. Langmuir, 2010, 26, 9986-9996.	3.5	53
131	Influence of Salt on the Self-Assembly of Two Model Amyloid Heptapeptides. Journal of Physical Chemistry B, 2010, 114, 8002-8008.	2.6	53
132	A thermally induced transition from a body-centred to a face-centred cubic lattice in a diblock copolymer gel. Colloid and Polymer Science, 1998, 276, 446-450.	2.1	52
133	Multiple Lyotropic Polymorphism of a Poly(ethylene glycol)â€Peptide Conjugate in Aqueous Solution. Advanced Materials, 2008, 20, 4394-4397.	21.0	52
134	Influence of End-Capping on the Self-Assembly of Model Amyloid Peptide Fragments. Journal of Physical Chemistry B, 2011, 115, 2107-2116.	2.6	52
135	Photochemical crossâ€linking of plastically compressed collagen gel produces an optimal scaffold for corneal tissue engineering. Journal of Biomedical Materials Research - Part A, 2011, 99A, 1-8.	4.0	52
136	Modulating self-assembly of a nanotape-forming peptideamphiphile with an oppositely charged surfactant. Soft Matter, 2012, 8, 217-226.	2.7	52
137	Analysis of neutron and X-ray reflectivity data by constrained least-squares methods. Physica B: Condensed Matter, 1994, 198, 16-23.	2.7	51
138	The mechanical properties of amniotic membrane influence its effect as a biomaterial for ocular surface repair. Soft Matter, 2012, 8, 8379.	2.7	51
139	New RGD-peptide amphiphile mixtures containing a negatively charged diluent. Faraday Discussions, 2013, 166, 381.	3.2	51
140	Self-assembly of three bacterially-derived bioactive lipopeptides. Soft Matter, 2013, 9, 9572.	2.7	50
141	Effect of planar extension on the structure and mechanical properties of polystyreneâ€“poly(ethylene-) Tj ETQq1 1 0.784314 rgBT /Ov	3.8	49
142	Micro- vs. macro-phase separation in binary blends of poly(styrene)-poly(isoprene) and poly(isoprene)-poly(ethylene oxide) diblock copolymers. Europhysics Letters, 2001, 53, 680-686.	2.0	49
143	Nonspherical Assemblies Generated from Polystyrene-b-poly(l-lysine) Polyelectrolyte Block Copolymers. Langmuir, 2005, 21, 6582-6589.	3.5	49
144	Self-assembly in aqueous solution of a modified amyloid beta peptide fragment. Biophysical Chemistry, 2008, 138, 29-35.	2.8	49

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145	Conductance of amyloid Î² based peptide filaments: structureâ€“function relations. Soft Matter, 2012, 8, 8690.	2.7	49
146	Self-Assembled Arginine-Capped Peptide Bolaamphiphile Nanosheets for Cell Culture and Controlled Wettability Surfaces. Biomacromolecules, 2015, 16, 3180-3190.	5.4	49
147	On the Landauâ^'Brazovskii Theory for Block Copolymer Melts. Macromolecules, 1997, 30, 3701-3703.	4.8	48
148	Lamellar-to-gyroid transition in a poly(oxyethylene)â€“poly(oxybutylene) diblock copolymer melt. Physical Chemistry Chemical Physics, 1999, 1, 2097-2101.	2.8	47
149	Self-Assembly and Anti-Amyloid Cytotoxicity Activity of Amyloid beta Peptide Derivatives. Scientific Reports, 2017, 7, 43637.	3.3	47
150	Crystallization Within Block Copolymer Mesophases. , 0, , 213-243.		46
151	Nematic and Columnar Ordering of a PEGâ€“Peptide Conjugate in Aqueous Solution. Chemistry - A European Journal, 2008, 14, 11369-11375.	3.3	46
152	Effect of Sequence Distribution on the Morphology, Crystallization, Melting, and Biodegradation of Poly(Îµ-caprolactone-co-Îµ-caprolactam) Copolymers. Macromolecules, 2009, 42, 6671-6681.	4.8	46
153	Janus PEG-Based Dendrimers for Use in Combination Therapy: Controlled Multi-Drug Loading and Sequential Release. Biomacromolecules, 2013, 14, 564-574.	5.4	46
154	Self-Assembly of a Designed Alternating Arginine/Phenylalanine Oligopeptide. Langmuir, 2015, 31, 4513-4523.	3.5	46
155	The liquidâ€“solid transition in a micellar solution of a diblock copolymer in water. Journal of Chemical Physics, 2002, 116, 10947-10958.	3.0	45
156	Ordered Structures and Phase Transitions in Mixtures of a Polystyrene/Polyisoprene Block Copolymer with the Corresponding Homopolymers in Thin Films and in Bulk. Macromolecules, 2004, 37, 3369-3377.	4.8	45
157	Wormlike Micelle Formation and Flow Alignment of a Pluronic Block Copolymer in Aqueous Solution. Langmuir, 2007, 23, 6896-6902.	3.5	44
158	Effect of Ethanol on the Micellization and Gelation of Pluronic P123. Langmuir, 2008, 24, 12260-12266.	3.5	44
159	Tuning Self-Assembled Nanostructures Through Enzymatic Degradation of a Peptide Amphiphile. Langmuir, 2013, 29, 6665-6672.	3.5	44
160	Self-assembly pathway of peptide nanotubes formed by a glutamatic acid-based bolaamphiphile. Chemical Communications, 2015, 51, 11634-11637.	4.1	44
161	Dewetting of Thin Block Copolymer Films. Journal of Colloid and Interface Science, 1999, 209, 255-260.	9.4	43
162	Modelling small-angle scattering data from micelles. Current Opinion in Colloid and Interface Science, 2002, 7, 167-172.	7.4	43

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163	Confinement Effects on the Crystallization Kinetics and Self-Nucleation of Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecular Symposia, 2004, 215, 369-382.	0.7	43
164	Structure and rheology of aqueous micellar solutions and gels formed from an associative poly(oxybutylene)â€“poly(oxyethylene)â€“poly(oxybutylene) triblock copolymer. Soft Matter, 2005, 1, 138.	2.7	43
165	Synthesis and phase behaviour of a homologous series of polymethacrylate-based side-chain liquid crystal polymers. European Polymer Journal, 2012, 48, 821-829.	5.4	43
166	Self-assembly of a model amphiphilic oligopeptide incorporating an arginine headgroup. Soft Matter, 2013, 9, 4794.	2.7	43
167	The bioactivity of composite Fmoc-RGDS-collagen gels. Biomaterials Science, 2014, 2, 1222-1229.	5.4	43
168	Self-Assembly of Peptide Bioconjugates: Selected Recent Research Highlights. Bioconjugate Chemistry, 2017, 28, 731-739.	3.6	43
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