

Anthony J Ryan

List of Publications by Year in descending order

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Version: 2024-02-01

330
papers

24,465
citations

6486

82
h-index

9865

146
g-index

339
all docs

339
docs citations

339
times ranked

19465
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering chemistry to meet COP26 targets. <i>Nature Reviews Chemistry</i> , 2022, 6, 1-3.	13.8	8
2	Ultrafast exciton transport at early times in quantum dot solids. <i>Nature Materials</i> , 2022, 21, 533-539.	13.3	38
3	Insights into the Structure and Self-Assembly of Organic-Semiconductor/Quantum-Dot Blends. <i>Advanced Functional Materials</i> , 2022, 32, 2109252.	7.8	2
4	Rational synthesis of novel biocompatible thermoresponsive block copolymer worm gels. <i>Soft Matter</i> , 2021, 17, 5602-5612.	1.2	8
5	Control of the aqueous solubility of cellulose by hydroxyl group substitution and its effect on processing. <i>Polymer</i> , 2021, 223, 123681.	1.8	9
6	Toward polymer upcycling—adding value and tackling circularity. <i>Science</i> , 2021, 373, 66-69.	6.0	280
7	Many Happy Returns: Combining insights from the environmental and behavioural sciences to understand what is required to make reusable packaging mainstream. <i>Sustainable Production and Consumption</i> , 2021, 27, 1688-1702.	5.7	53
8	Co-assembly and Structure of Sodium Dodecylsulfate and other n-Alkyl Sulfates in Glycerol: n-Alkyl Sulfate-Glycerol Crystal Phase. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 442-454.	5.0	3
9	A facile method to control the phase behavior of hydroxypropyl cellulose. <i>Carbohydrate Polymers</i> , 2021, 251, 117015.	5.1	20
10	Understanding plastic packaging: The co-evolution of materials and society. <i>Global Environmental Change</i> , 2020, 65, 102166.	3.6	36
11	Controlling the structures of organic semiconductor-quantum dot nanocomposites through ligand shell chemistry. <i>Soft Matter</i> , 2020, 16, 7970-7981.	1.2	4
12	How scientists and refugees brought green to the Desert Garden. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 439-439.	12.2	2
13	The hidden potential of urban horticulture. <i>Nature Food</i> , 2020, 1, 155-159.	6.2	64
14	Synthesis of High χ -Low χ Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10848-10853.	7.2	20
15	Flow-induced crystallisation of polymers from aqueous solution. <i>Nature Communications</i> , 2020, 11, 3372.	5.8	49
16	Synthesis of High χ -Low χ Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie</i> , 2020, 132, 10940-10945.	1.6	6
17	Ligand Shell Structure in Lead Sulfide-Oleic Acid Colloidal Quantum Dots Revealed by Small-Angle Scattering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4713-4719.	2.1	32
18	Liquid-liquid phase separation morphologies in ultra-white beetle scales and a synthetic equivalent. <i>Communications Chemistry</i> , 2019, 2, .	2.0	28

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19	Thermoreversible crystallization-driven aggregation of diblock copolymer nanoparticles in mineral oil. <i>Chemical Science</i> , 2018, 9, 4071-4082.	3.7	20
20	Stearyl Methacrylate-Based Polymers as Crystal Habit Modifiers for Triacylglycerols. <i>Crystal Growth and Design</i> , 2018, 18, 7094-7105.	1.4	7
21	Mechanistic Insights into Diblock Copolymer Nanoparticle–Crystal Interactions Revealed via <i>in Situ</i> Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 7936-7945.	6.6	40
22	Solution modification of PEDOT:PSS inks for ultrasonic spray coating. <i>Organic Electronics</i> , 2017, 41, 245-250.	1.4	17
23	An unusual cause of plantar pustulosis. <i>Clinical and Experimental Dermatology</i> , 2016, 41, 568-569.	0.6	1
24	The interaction between fundamental and industrial research and experimental developments in the field of polymer crystallization. <i>Journal of Non-Crystalline Solids</i> , 2016, 451, 168-178.	1.5	9
25	Microfluidic Spinning: Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers (<i>Adv. Funct. Mater.</i> 47/2015). <i>Advanced Functional Materials</i> , 2015, 25, 7396-7396.	7.8	2
26	Self-Assembly-Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1437-1443.	2.0	40
27	Macromol. Rapid Commun. 15/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1452-1452.	2.0	0
28	Microfluidic Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers. <i>Advanced Functional Materials</i> , 2015, 25, 7253-7262.	7.8	49
29	Testing the Vesicular Morphology to Destruction: Birth and Death of Diblock Copolymer Vesicles Prepared via Polymerization-Induced Self-Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 1929-1937.	6.6	168
30	Hydration and Ordering of Lamellar Block Copolymer Films under Controlled Water Vapor. <i>Macromolecules</i> , 2014, 47, 8682-8690.	2.2	12
31	Characterisation and evaluation of the impact of microfabricated pockets on the performance of limbal epithelial stem cells in biodegradable PLGA membranes for corneal regeneration. <i>Biomaterials Science</i> , 2014, 2, 723-734.	2.6	18
32	An off-the-shelf synthetic membrane to simplify regeneration of damaged corneas. , 2014, , .		0
33	RAFT Aqueous Dispersion Polymerization Yields Poly(ethylene glycol)-Based Diblock Copolymer Nano-Objects with Predictable Single Phase Morphologies. <i>Journal of the American Chemical Society</i> , 2014, 136, 1023-1033.	6.6	334
34	Combination of Microstereolithography and Electrospinning to Produce Membranes Equipped with Niches for Corneal Regeneration. <i>Journal of Visualized Experiments</i> , 2014, , 51826.	0.2	16
35	Effect of processing parameters on the morphology development during extrusion of polyethylene tape: An in-line small-angle X-ray scattering (SAXS) study. <i>Polymer</i> , 2013, 54, 6580-6588.	1.8	44
36	Production, Sterilisation and Storage of Biodegradable Electrospun PLGA Membranes for Delivery of Limbal Stem Cells to the Cornea. <i>Procedia Engineering</i> , 2013, 59, 101-116.	1.2	24

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37	Combined microfabrication and electrospinning to produce 3-D architectures for corneal repair. <i>Acta Biomaterialia</i> , 2013, 9, 5511-5520.	4.1	87
38	Moisture Permeation in Liquid Crystalline Epoxy Thermosets. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 225-235.	1.1	19
39	Simplifying corneal surface regeneration using a biodegradable synthetic membrane and limbal tissue explants. <i>Biomaterials</i> , 2013, 34, 5088-5106.	5.7	66
40	From a Water-Immiscible Monomer to Block Copolymer Nano-Objects via a One-Pot RAFT Aqueous Dispersion Polymerization Formulation. <i>Macromolecules</i> , 2013, 46, 769-777.	2.2	112
41	Development of bilayer and trilayer nanofibrous/microfibrous scaffolds for regenerative medicine. <i>Biomaterials Science</i> , 2013, 1, 942.	2.6	37
42	Effect of Matrix Polymer on Flow-Induced Nucleation in Polymer Blends. <i>Physical Review Letters</i> , 2013, 110, 087801.	2.9	39
43	Use of Systemic Corticosteroids in Management of a Large Congenital Haemangioma of the Scalp. <i>Pediatric Dermatology</i> , 2013, 30, e121-4.	0.5	1
44	Introduction to Electrospinning. , 2013, , 1-22.		0
45	Postproduction Processing of Electrospun Fibres for Tissue Engineering. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	16
46	The emerging role of PtdIns5P: another signalling phosphoinositide takes its place. <i>Biochemical Society Transactions</i> , 2012, 40, 257-261.	1.6	14
47	Interplay between Gelation and Phase Separation in Aqueous Solutions of Methylcellulose and Hydroxypropylmethylcellulose. <i>Langmuir</i> , 2012, 28, 10551-10557.	1.6	77
48	1Î±,25 Dihydroxyvitamin D3 enhances cellular defences against UV-induced oxidative and other forms of DNA damage in skin. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1837-1847.	1.6	65
49	Effect of hard segment content and carbon-based nanostructures on the kinetics of flexible polyurethane nanocomposite foams. <i>Polymer</i> , 2012, 53, 4025-4032.	1.8	23
50	Predictive Phase Diagrams for RAFT Aqueous Dispersion Polymerization: Effect of Block Copolymer Composition, Molecular Weight, and Copolymer Concentration. <i>Macromolecules</i> , 2012, 45, 5099-5107.	2.2	364
51	Sterilizable Gels from Thermoresponsive Block Copolymer Worms. <i>Journal of the American Chemical Society</i> , 2012, 134, 9741-9748.	6.6	351
52	Correlating Structure with Function in Thermally Annealed PCDTBT:PC₇₀BM Photovoltaic Blends. <i>Advanced Functional Materials</i> , 2012, 22, 1399-1408.	7.8	131
53	An aligned 3D neuronal-glia co-culture model for peripheral nerve studies. <i>Biomaterials</i> , 2012, 33, 5901-5913.	5.7	139
54	Silk and Synthetic Polymers: Reconciling 100 Degrees of Separation. <i>Advanced Materials</i> , 2012, 24, 105-109.	11.1	99

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55	Polymer Fibers: Silk and Synthetic Polymers: Reconciling 100 Degrees of Separation (Adv. Mater. 1/2012). <i>Advanced Materials</i> , 2012, 24, 104-104.	11.1	2
56	Shear ordered diblock copolymers with tuneable optical properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3179-3186.	1.3	14
57	A Phase Diagram of the P3HT:PCBM Organic Photovoltaic System: Implications for Device Processing and Performance. <i>Macromolecules</i> , 2011, 44, 2908-2917.	2.2	109
58	Controlling Polymersome Surface Topology at the Nanoscale by Membrane Confined Polymer/Polymer Phase Separation. <i>ACS Nano</i> , 2011, 5, 1775-1784.	7.3	154
59	Characterization of Polymer-Silica Nanocomposite Particles with Core-Shell Morphologies using Monte Carlo Simulations and Small Angle X-ray Scattering. <i>Langmuir</i> , 2011, 27, 8075-8089.	1.6	35
60	Time-Resolved Small-Angle X-ray Scattering Studies of Polymer-Silica Nanocomposite Particles: Initial Formation and Subsequent Silica Redistribution. <i>Journal of the American Chemical Society</i> , 2011, 133, 826-837.	6.6	35
61	Three-Dimensional Alignment of Schwann Cells Using Hydrolysable Microfiber Scaffolds: Strategies for Peripheral Nerve Repair. <i>Methods in Molecular Biology</i> , 2011, 695, 155-166.	0.4	29
62	Mechanistic Insights for Block Copolymer Morphologies: How Do Worms Form Vesicles?. <i>Journal of the American Chemical Society</i> , 2011, 133, 16581-16587.	6.6	708
63	Aqueous Dispersion Polymerization: A New Paradigm for in Situ Block Copolymer Self-Assembly in Concentrated Solution. <i>Journal of the American Chemical Society</i> , 2011, 133, 15707-15713.	6.6	398
64	Self-assembly of double hydrophilic block copolymers in concentrated aqueous solution. <i>Soft Matter</i> , 2011, 7, 6399.	1.2	48
65	Complete skin examination is essential in the assessment of dermatology patients: findings from 483 patients. <i>British Journal of Dermatology</i> , 2011, 165, 1124-1126.	1.4	6
66	Using multimodal blends to elucidate the mechanism of flow-induced crystallization in polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 621-628.	2.4	8
67	The Nanoscale Morphology of a PCDTBT:PCBM Photovoltaic Blend. <i>Advanced Energy Materials</i> , 2011, 1, 499-504.	10.2	99
68	Monodisperse macromolecules - A stepping stone to understanding industrial polymers. <i>European Polymer Journal</i> , 2011, 47, 447-464.	2.6	39
69	Effects of vandetanib on adenoma formation in a dextran sodium sulphate enhanced ApcMIN/+ mouse model. <i>International Journal of Oncology</i> , 2010, 37, 767-72.	1.4	3
70	Development of an Ibuprofen-releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. <i>Biotechnology and Bioengineering</i> , 2010, 105, 396-408.	1.7	84
71	Development of a 3D human in vitro skin culture model for detecting irritants in real-time. <i>Biotechnology and Bioengineering</i> , 2010, 106, 794-803.	1.7	36
72	Biorenewable Multiphase Polymers. <i>MRS Bulletin</i> , 2010, 35, 194-200.	1.7	12

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73	Self-assembled autonomous runners and tumblers. <i>Physical Review E</i> , 2010, 82, 015304.	0.8	157
74	The development of nanoscale morphology in polymer:fullerene photovoltaic blends during solvent casting. <i>Soft Matter</i> , 2010, 6, 4128.	1.2	121
75	Unexpected Facile Redistribution of Adsorbed Silica Nanoparticles Between Latexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 2166-2168.	6.6	45
76	Effect of the Hofmeister Anions upon the Swelling of a Self-Assembled pH-Responsive Hydrogel. <i>Langmuir</i> , 2010, 26, 10191-10197.	1.6	66
77	Control of Structural Morphology in Shear-Induced Crystallization of Polymers. <i>Macromolecules</i> , 2010, 43, 2389-2405.	2.2	163
78	Using poly(lactide-co-glycolide) electrospun scaffolds to deliver cultured epithelial cells to the cornea. <i>Regenerative Medicine</i> , 2010, 5, 395-401.	0.8	57
79	Quantifying hydrogel response using laser light scattering. <i>Soft Matter</i> , 2010, 6, 743-749.	1.2	3
80	Homopolymer Induced Aggregation of Poly(ethylene oxide)- <i>b</i> -poly(butylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.6	13
81	Tailoring Macromolecular Expression at Polymersome Surfaces. <i>Advanced Functional Materials</i> , 2009, 19, 2906-2914.	7.8	88
82	Synthesis and Characterization of Block Copolymers of Polyoxyethylene and Polylactide with Different Architectures. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 840-851.	1.1	16
83	Self-Assembled Block Copolymer Aggregates: From Micelles to Vesicles and their Biological Applications. <i>Macromolecular Rapid Communications</i> , 2009, 30, 267-277.	2.0	1,338
84	Chemical actuation in responsive hydrogels. <i>Polymer International</i> , 2009, 58, 285-289.	1.6	38
85	Templated formation of giant polymer vesicles with controlled size distributions. <i>Nature Materials</i> , 2009, 8, 507-511.	13.3	197
86	Synthesis, characterization and swelling behaviour of poly(methacrylic acid) brushes synthesized using atom transfer radical polymerization. <i>Polymer</i> , 2009, 50, 1005-1014.	1.8	76
87	The Effect of PEO Length on the Self-Assembly of Poly(ethylene oxide)-Tetrapeptide Conjugates Prepared by "Click" Chemistry. <i>Langmuir</i> , 2009, 25, 11082-11089.	1.6	62
88	Use of rapidly mineralising osteoblasts and short periods of mechanical loading to accelerate matrix maturation in 3D scaffolds. <i>Bone</i> , 2009, 44, 822-829.	1.4	87
89	Soft Hydrogels from Nanotubes of Poly(ethylene oxide)-Tetraphenylalanine Conjugates Prepared by Click Chemistry. <i>Langmuir</i> , 2009, 25, 2479-2485.	1.6	79
90	pH controlled assembly of a polybutadiene-poly(methacrylic acid) copolymer in water: packing considerations and kinetic limitations. <i>Soft Matter</i> , 2009, 5, 1674.	1.2	72

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91	On the mechanism of formation of vesicles from poly(ethylene oxide)-block-poly(caprolactone) copolymers. <i>Soft Matter</i> , 2009, 5, 3086.	1.2	58
92	Polymersomes hydrophilic brush scaling relations. <i>Soft Matter</i> , 2009, 5, 3607.	1.2	41
93	Direct visualization of the real time swelling and collapse of a poly(methacrylic acid) brush using atomic force microscopy. <i>Soft Matter</i> , 2009, 5, 296-299.	1.2	41
94	The efficiency of encapsulation within surface rehydrated polymersomes. <i>Faraday Discussions</i> , 2009, 143, 29.	1.6	25
95	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , 2008, 29, 3091-3104.	5.7	212
96	Toughening by nanostructure. <i>Polymer</i> , 2008, 49, 4475-4488.	1.8	258
97	Polymers: the quest for motility. <i>Materials Today</i> , 2008, 11, 20-23.	8.3	56
98	Controlling Fusion and Aggregation in Polymersome Dispersions. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1855-1860.	2.0	36
99	Development of a bioreactor for evaluating novel nerve conduits. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1250-1260.	1.7	32
100	The relationship between polyurethane foam microstructure and foam aging. <i>Polymer</i> , 2008, 49, 934-942.	1.8	30
101	Characterisation of polyurethane networks based on vegetable derived polyol. <i>Polymer</i> , 2008, 49, 3279-3287.	1.8	69
102	Squaring up with polymers. <i>Nature</i> , 2008, 456, 334-336.	13.7	15
103	46 POSTER VEGF receptor expression in human tumours: VEGFR-2 and -3 are confined predominantly to tumour vasculature. <i>European Journal of Cancer, Supplement</i> , 2008, 6, 18.	2.2	0
104	The Specific Work of Flow as a Criterion for Orientation in Polymer Crystallization. <i>Macromolecules</i> , 2008, 41, 1901-1904.	2.2	185
105	Facile Synthesis of Well-Defined Hydrophilic Methacrylic Macromonomers Using ATRP and Click Chemistry. <i>Macromolecules</i> , 2008, 41, 9542-9547.	2.2	79
106	Morphological change of asymmetric oxyethylene/oxybutylene block copolymers induced by montmorillonite. <i>Journal of Chemical Physics</i> , 2008, 128, 154902.	1.2	2
107	Synthesis of Well-Defined Branched Copolymers by Quaternization of Near-Monodisperse Homopolymers. <i>Macromolecules</i> , 2008, 41, 5577-5581.	2.2	33
108	Segmented Polyimides with Poly(ethylene oxide) Blocks Exhibiting Liquid Crystallinity. <i>Macromolecules</i> , 2008, 41, 1034-1040.	2.2	18

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109	The Specific Work of Flow as a Universal Parameter to Control the Formation of Shish-Kebab Morphology in Polymers. AIP Conference Proceedings, 2008, , .	0.3	2
110	The use of irinotecan, oxaliplatin and raltitrexed for the treatment of advanced colorectal cancer: systematic review and economic evaluation. Health Technology Assessment, 2008, 12, iii-ix, xi-162.	1.3	60
111	Smart particles as a foam stabilizer. KONA Powder and Particle Journal, 2008, 26, 2-2.	0.9	1
112	Autonomous Volume Transitions of a Polybase Triblock Copolymer Gel in a Chemically Driven pH-Oscillator. Macromolecular Symposia, 2007, 256, 95-104.	0.4	25
113	Self-Motile Colloidal Particles: From Directed Propulsion to Random Walk. Physical Review Letters, 2007, 99, 048102.	2.9	1,717
114	Cross-Linking of Cationic Block Copolymer Micelles by Silica Deposition. Journal of the American Chemical Society, 2007, 129, 1717-1723.	6.6	176
115	The performance of poly(styrene)-block-poly(2-vinyl pyridine)-block-poly(styrene) triblock copolymers as pH-driven actuators. Soft Matter, 2007, 3, 1506.	1.2	28
116	Real-Time Detection of Stress in 3D Tissue-Engineered Constructs Using NF- κ B Activation in Transiently Transfected Human Dermal Fibroblast Cells. Tissue Engineering, 2007, 13, 1013-1024.	4.9	16
117	Lamellarsomes: metastable polymeric multilamellar aggregates. Soft Matter, 2007, 3, 470-475.	1.2	35
118	Effect of Substrate and Molecular Weight on the Stability of Thin Films of Semicrystalline Block Copolymers. Langmuir, 2007, 23, 3673-3679.	1.6	13
119	Antagonistic Triblock Polymer Gels Powered by pH Oscillations. Macromolecules, 2007, 40, 4393-4395.	2.2	81
120	Development of a 3D cell culture system for investigating cell interactions with electrospun fibers. Biotechnology and Bioengineering, 2007, 97, 1318-1328.	1.7	95
121	Electrospinning pH-Responsive Block Copolymer Nanofibers. Advanced Materials, 2007, 19, 3544-3548.	11.1	65
122	Biomimetic pH Sensitive Polymersomes for Efficient DNA Encapsulation and Delivery. Advanced Materials, 2007, 19, 4238-4243.	11.1	415
123	Morphology of semicrystalline oxyethylene/oxybutylene block copolymer thin films on mica. Polymer, 2007, 48, 7201-7210.	1.8	13
124	Structural models of metastable phases occurring during the crystallization process of saturated/unsaturated triacylglycerols. Journal of Applied Crystallography, 2007, 40, s297-s302.	1.9	26
125	The application of distance distribution functions to structural analysis of core-shell particles. Journal of Applied Crystallography, 2007, 40, s506-s511.	1.9	12
126	Investigation of fibroblast and keratinocyte cell-scaffold interactions using a novel 3D cell culture system. Journal of Materials Science: Materials in Medicine, 2007, 18, 321-328.	1.7	28

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127	The pH-induced swelling and collapse of a polybase brush synthesized by atom transfer radical polymerization. <i>Soft Matter</i> , 2006, 2, 1076-1080.	1.2	53
128	When a cartoon is just not funny. <i>Soft Matter</i> , 2006, 2, 103.	1.2	0
129	Reciprocating Power Generation in a Chemically Driven Synthetic Muscle. <i>Nano Letters</i> , 2006, 6, 73-77.	4.5	131
130	Shear-Induced Crystallization in Blends of Model Linear and Long-Chain Branched Hydrogenated Polybutadienes. <i>Macromolecules</i> , 2006, 39, 5058-5071.	2.2	90
131	Effect of Amphiphile Size on the Transformation from a Lyotropic Gel to a Vesicular Dispersion. <i>Macromolecules</i> , 2006, 39, 798-805.	2.2	59
132	Synthesis and Solid State Properties of a Poly(methyl methacrylate)-block-poly(2-(diethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5573-5576.	2.2	36
133	Effect of Substrate Surface on Dewetting Behavior and Chain Orientation of Semicrystalline Block Copolymer Thin Films. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24384-24389.	1.2	14
134	Long-Range Structural Order, Moiré Patterns, and Iridescence in Latex-Stabilized Foams. <i>Journal of the American Chemical Society</i> , 2006, 128, 7882-7886.	6.6	111
135	Thin Film Morphology of Symmetric Semicrystalline Oxyethylene/Oxybutylene Diblock Copolymers on Silicon. <i>Macromolecules</i> , 2006, 39, 5471-5478.	2.2	26
136	Aqueous Particulate Foams Stabilized Solely with Polymer Latex Particles. <i>Langmuir</i> , 2006, 22, 7512-7520.	1.6	130
137	Polymeric Vesicle Permeability: A Facile Chemical Assay. <i>Langmuir</i> , 2006, 22, 4910-4913.	1.6	101
138	Pathways of Polymeric Vesicle Formation. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10272-10279.	1.2	105
139	Controlled growth of poly (2-(diethylamino)ethyl methacrylate) brushes via atom transfer radical polymerisation on planar silicon surfaces. <i>Polymer International</i> , 2006, 55, 808-815.	1.6	24
140	Synthesis and characterisation of poly(sodium 4-styrenesulfonate) combs. <i>Polymer</i> , 2006, 47, 3455-3463.	1.8	35
141	A toolbox approach to adhesive design. <i>Reactive and Functional Polymers</i> , 2006, 66, 41-49.	2.0	1
142	Neuron-Like Tubular Membranes Made of Diblock Copolymer Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2052-2056.	7.2	46
143	Synthesis and Peptide-Induced Degradation of Biocompatible Fibers Based on Highly Branched Poly(2-hydroxyethyl methacrylate). <i>Advanced Materials</i> , 2006, 18, 1566-1570.	11.1	68
144	Polymer processing: Using synchrotron radiation to follow structure development in commercial and novel polymer materials. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 238, 21-27.	0.6	11

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145	Can rheometry measure crystallization kinetics? A comparative study using block copolymers. <i>Polymer</i> , 2005, 46, 2739-2747.	1.8	17
146	The evolution of vesicles from bulk lamellar gels. <i>Nature Materials</i> , 2005, 4, 869-876.	13.3	138
147	Self-Organization of Skin Cells in Three-Dimensional Electrospun Polystyrene Scaffolds. <i>Tissue Engineering</i> , 2005, 11, 1023-1033.	4.9	130
148	Development of a Closed Bioreactor System for Culture of Tissue-Engineered Skin at an Air-Liquid Interface. <i>Tissue Engineering</i> , 2005, 11, 1824-1831.	4.9	42
149	Concluding Remarks : Self-organising polymers. <i>Faraday Discussions</i> , 2005, 128, 421.	1.6	3
150	Responsive brushes and gels as components of soft nanotechnology. <i>Faraday Discussions</i> , 2005, 128, 55-74.	1.6	90
151	Mechanical Actuation by Responsive Polyelectrolyte Brushes and Triblock Gels. <i>Journal of Macromolecular Science - Physics</i> , 2005, 44, 1103-1121.	0.4	28
152	Bilayers and Interdigitation in Block Copolymer Vesicles. <i>Journal of the American Chemical Society</i> , 2005, 127, 8757-8764.	6.6	288
153	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , 2005, 38, 4947-4949.	2.2	50
154	Diffusion Control of Homogeneous Crystallization in Nanoconfined Domains of Block Copolymers. <i>Journal of Macromolecular Science - Physics</i> , 2004, 43, 685-694.	0.4	11
155	Effect of the amorphous segment on the nonisothermal crystallization and morphology of oxyethylene-oxybutylene block copolymers. <i>Journal of Applied Polymer Science</i> , 2004, 93, 870-876.	1.3	6
156	Poly(Oxyalkylene) Block Copolymers in Aqueous Solution Phase Behavior and Transition Kinetics. <i>Journal of Macromolecular Science - Physics</i> , 2004, 43, 71-93.	0.4	3
157	Reaction-Induced Phase Separation in Polyoxyethylene/Polystyrene Blends. I. Ternary Phase Diagram. <i>Journal of Macromolecular Science - Physics</i> , 2004, 43, 219-232.	0.4	3
158	Low-Frequency Raman Spectroscopy of Oxyethylene/Oxybutylene/Oxyethylene Triblock Copolymers. <i>Macromolecules</i> , 2004, 37, 3077-3079.	2.2	3
159	FACILITIES FOR SYNCHROTRON X-RAY MATERIALS PROCESSING ON THE SRS DARESBUURY. , 2004, , .		3
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