

Anthony J Ryan

List of Publications by Year in Descending Order

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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.

317
papers

21,361
citations

77
h-index

136
g-index

339
ext. papers

22,835
ext. citations

6.4
avg, IF

6.7
L-index

#	Paper	IF	Citations
317	Ultrafast exciton transport at early times in quantum dot solids.. <i>Nature Materials</i> , 2022 ,	27	7
316	Insights into the Structure and Self-Assembly of Organic-Semiconductor/Quantum-Dot Blends. <i>Advanced Functional Materials</i> , 2022 , 32, 2109252	15.6	2
315	Control of the aqueous solubility of cellulose by hydroxyl group substitution and its effect on processing. <i>Polymer</i> , 2021 , 223, 123681	3.9	4
314	Rational synthesis of novel biocompatible thermoresponsive block copolymer worm gels. <i>Soft Matter</i> , 2021 , 17, 5602-5612	3.6	2
313	Toward polymer upcycling-adding value and tackling circularity. <i>Science</i> , 2021 , 373, 66-69	33.3	61
312	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	8.2	12
311	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	9.3	2
310	A facile method to control the phase behavior of hydroxypropyl cellulose. <i>Carbohydrate Polymers</i> , 2021 , 251, 117015	10.3	6
309	The hidden potential of urban horticulture. <i>Nature Food</i> , 2020 , 1, 155-159	14.4	37
308	Synthesis of High Φ Low N Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10848-10853	16.4	11
307	Flow-induced crystallisation of polymers from aqueous solution. <i>Nature Communications</i> , 2020 , 11, 337217.4	17.4	25
306	Understanding plastic packaging: The co-evolution of materials and society. <i>Global Environmental Change</i> , 2020 , 65, 102166	10.1	9
305	Controlling the structures of organic semiconductor-quantum dot nanocomposites through ligand shell chemistry. <i>Soft Matter</i> , 2020 , 16, 7970-7981	3.6	1
304	Synthesis of High Φ Low N Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie</i> , 2020 , 132, 10940-10945	3.6	5
303	Liquid-Liquid phase separation morphologies in ultra-white beetle scales and a synthetic equivalent. <i>Communications Chemistry</i> , 2019 , 2,	6.3	11
302	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	6.4	22
301	Thermoreversible crystallization-driven aggregation of diblock copolymer nanoparticles in mineral oil. <i>Chemical Science</i> , 2018 , 9, 4071-4082	9.4	16

300	Mechanistic Insights into Diblock Copolymer Nanoparticle-Crystal Interactions Revealed via in Situ Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7936-7945	16.4	27
299	Stearyl Methacrylate-Based Polymers as Crystal Habit Modifiers for Triacylglycerols. <i>Crystal Growth and Design</i> , 2018 , 18, 7094-7105	3.5	1
298	Solution modification of PEDOT:PSS inks for ultrasonic spray coating. <i>Organic Electronics</i> , 2017 , 41, 245-250	3.9	11
297	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	3.9	7
296	An unusual cause of plantar pustulosis. <i>Clinical and Experimental Dermatology</i> , 2016 , 41, 568-9	1.8	1
295	Microfluidic Spinning: Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers (Adv. Funct. Mater. 47/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 7396-7396	15.6	2
294	Self-Assembly-Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1437-43	4.8	30
293	Macromol. Rapid Commun. 15/2015. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1452-1452	4.8	
292	Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers. <i>Advanced Functional Materials</i> , 2015 , 25, 7253-7262	15.6	43
291	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, 1929-37	16.4	125
290	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	7.4	16
289	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, 1023-33	16.4	284
288	Combination of microstereolithography and electrospinning to produce membranes equipped with niches for corneal regeneration. <i>Journal of Visualized Experiments</i> , 2014 , 51826	1.6	14
287	Hydration and Ordering of Lamellar Block Copolymer Films under Controlled Water Vapor. <i>Macromolecules</i> , 2014 , 47, 8682-8690	5.5	9
286	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	3.9	39
285	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		21
284	Combined microfabrication and electrospinning to produce 3-D architectures for corneal repair. <i>Acta Biomaterialia</i> , 2013 , 9, 5511-20	10.8	70
283	Moisture Permeation in Liquid Crystalline Epoxy Thermosets. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 225-235	2.6	16

282	Simplifying corneal surface regeneration using a biodegradable synthetic membrane and limbal tissue explants. <i>Biomaterials</i> , 2013 , 34, 5088-106	15.6	56
281	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	5.5	102
280	Development of bilayer and trilayer nanofibrous/microfibrous scaffolds for regenerative medicine. <i>Biomaterials Science</i> , 2013 , 1, 942-951	7.4	36
279	Effect of matrix polymer on flow-induced nucleation in polymer blends. <i>Physical Review Letters</i> , 2013 , 110, 087801	7.4	34
278	Use of systemic corticosteroids in management of a large congenital haemangioma of the scalp. <i>Pediatric Dermatology</i> , 2013 , 30, e121-4	1.9	0
277	An aligned 3D neuronal-gial co-culture model for peripheral nerve studies. <i>Biomaterials</i> , 2012 , 33, 5901-5906	13.6	113
276	Silk and synthetic polymers: reconciling 100 degrees of separation. <i>Advanced Materials</i> , 2012 , 24, 105-9, 104	24	86
275	Polymer Fibers: Silk and Synthetic Polymers: Reconciling 100 Degrees of Separation (Adv. Mater. 1/2012). <i>Advanced Materials</i> , 2012 , 24, 104-104	24	2
274	The emerging role of PtdIns5P: another signalling phosphoinositide takes its place. <i>Biochemical Society Transactions</i> , 2012 , 40, 257-61	5.1	14
273	Interplay between gelation and phase separation in aqueous solutions of methylcellulose and hydroxypropylmethylcellulose. <i>Langmuir</i> , 2012 , 28, 10551-7	4	62
272	1 α ,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, 1837-47	4.2	54
271	Effect of hard segment content and carbon-based nanostructures on the kinetics of flexible polyurethane nanocomposite foams. <i>Polymer</i> , 2012 , 53, 4025-4032	3.9	20
270	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	5.5	307
269	Sterilizable gels from thermoresponsive block copolymer worms. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9741-8	16.4	303
268	Correlating Structure with Function in Thermally Annealed PCDTBT:PC70BM Photovoltaic Blends. <i>Advanced Functional Materials</i> , 2012 , 22, 1399-1408	15.6	123
267	Postproduction processing of electrospun fibres for tissue engineering. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	14
266	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, 8075-89	4	31
265	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	16.4	31

264	Three-dimensional alignment of schwann cells using hydrolysable microfiber scaffolds: strategies for peripheral nerve repair. <i>Methods in Molecular Biology</i> , 2011 , 695, 155-66	1.4	25
263	Mechanistic insights for block copolymer morphologies: how do worms form vesicles?. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16581-7	16.4	593
262	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, 15707-13	16.4	355
261	Self-assembly of double hydrophilic block copolymers in concentrated aqueous solution. <i>Soft Matter</i> , 2011 , 7, 6399	3.6	44
260	Complete skin examination is essential in the assessment of dermatology patients: findings from 483 patients. <i>British Journal of Dermatology</i> , 2011 , 165, 1124-6	4	5
259	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	2.6	8
258	The Nanoscale Morphology of a PCDTBT:PCBM Photovoltaic Blend. <i>Advanced Energy Materials</i> , 2011 , 1, 499-504	21.8	95
257	Shear ordered diblock copolymers with tuneable optical properties. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3179-86	3.6	13
256	A Phase Diagram of the P3HT:PCBM Organic Photovoltaic System: Implications for Device Processing and Performance. <i>Macromolecules</i> , 2011 , 44, 2908-2917	5.5	100
255	Controlling polymersome surface topology at the nanoscale by membrane confined polymer/polymer phase separation. <i>ACS Nano</i> , 2011 , 5, 1775-84	16.7	136
254	Monodisperse macromolecules – A stepping stone to understanding industrial polymers. <i>European Polymer Journal</i> , 2011 , 47, 447-464	5.2	35
253	Biorenewable Multiphase Polymers. <i>MRS Bulletin</i> , 2010 , 35, 194-200	3.2	11
252	Self-assembled autonomous runners and tumblers. <i>Physical Review E</i> , 2010 , 82, 015304	2.4	135
251	The development of nanoscale morphology in polymer:fullerene photovoltaic blends during solvent casting. <i>Soft Matter</i> , 2010 , 6, 4128	3.6	115
250	Unexpected facile redistribution of adsorbed silica nanoparticles between latexes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2166-8	16.4	38
249	Effect of the Hofmeister anions upon the swelling of a self-assembled pH-responsive hydrogel. <i>Langmuir</i> , 2010 , 26, 10191-7	4	57
248	Control of Structural Morphology in Shear-Induced Crystallization of Polymers. <i>Macromolecules</i> , 2010 , 43, 2389-2405	5.5	134
247	Using poly(lactide-co-glycolide) electrospun scaffolds to deliver cultured epithelial cells to the cornea. <i>Regenerative Medicine</i> , 2010 , 5, 395-401	2.5	54

246	Quantifying hydrogel response using laser light scattering. <i>Soft Matter</i> , 2010 , 6, 743-749	3.6	2
245	Homopolymer induced aggregation of poly(ethylene oxide)-b-poly(butylene oxide)m polymersomes. <i>Langmuir</i> , 2010 , 26, 7425-30	4	12
244	Effects of vandetanib on adenoma formation in a dextran sodium sulphate enhanced Apc(MIN/+) mouse model. <i>International Journal of Oncology</i> , 2010 , 37, 767-72	4.4	3
243	Development of an Ibuprofen-releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. <i>Biotechnology and Bioengineering</i> , 2010 , 105, 396-408	4.9	75
242	Development of a 3D human in vitro skin co-culture model for detecting irritants in real-time. <i>Biotechnology and Bioengineering</i> , 2010 , 106, 794-803	4.9	33
241	Tailoring Macromolecular Expression at Polymersome Surfaces. <i>Advanced Functional Materials</i> , 2009 , 19, 2906-2914	15.6	84
240	Synthesis and Characterization of Block Copolymers of Polyoxyethylene and Polylactide with Different Architectures. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 840-851	2.6	14
239	Self-Assembled Block Copolymer Aggregates: From Micelles to Vesicles and their Biological Applications. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 267-77	4.8	1199
238	Chemical actuation in responsive hydrogels. <i>Polymer International</i> , 2009 , 58, 285-289	3.3	35
237	Templated formation of giant polymer vesicles with controlled size distributions. <i>Nature Materials</i> , 2009 , 8, 507-11	27	176
236	Synthesis, characterization and swelling behaviour of poly(methacrylic acid) brushes synthesized using atom transfer radical polymerization. <i>Polymer</i> , 2009 , 50, 1005-1014	3.9	71
235	The effect of PEO length on the self-assembly of poly(ethylene oxide)-tetrapeptide conjugates prepared by "Click" chemistry. <i>Langmuir</i> , 2009 , 25, 11082-9	4	59
234	Use of rapidly mineralising osteoblasts and short periods of mechanical loading to accelerate matrix maturation in 3D scaffolds. <i>Bone</i> , 2009 , 44, 822-9	4.7	74
233	Soft hydrogels from nanotubes of poly(ethylene oxide)-tetraphenylalanine conjugates prepared by click chemistry. <i>Langmuir</i> , 2009 , 25, 2479-85	4	73
232	pH controlled assembly of a polybutadiene-poly(methacrylic acid) copolymer in water: packing considerations and kinetic limitations. <i>Soft Matter</i> , 2009 , 5, 1674	3.6	69
231	On the mechanism of formation of vesicles from poly(ethylene oxide)-block-poly(caprolactone) copolymers. <i>Soft Matter</i> , 2009 , 5, 3086	3.6	53
230	Polymersomes hydrophilic brush scaling relations. <i>Soft Matter</i> , 2009 , 5, 3607	3.6	36
229	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	3.6	39

228	The efficiency of encapsulation within surface rehydrated polymersomes. <i>Faraday Discussions</i> , 2009 , 143, 29-46; discussion 81-93	3.6	22
227	The Specific Work of Flow as a Criterion for Orientation in Polymer Crystallization. <i>Macromolecules</i> , 2008 , 41, 1901-1904	5.5	162
226	Facile Synthesis of Well-Defined Hydrophilic Methacrylic Macromonomers Using ATRP and Click Chemistry. <i>Macromolecules</i> , 2008 , 41, 9542-9547	5.5	74
225	Morphological change of asymmetric oxyethylene/oxybutylene block copolymers induced by montmorillonite. <i>Journal of Chemical Physics</i> , 2008 , 128, 154902	3.9	2
224	Synthesis of Well-Defined Branched Copolymers by Quaternization of Near-Monodisperse Homopolymers. <i>Macromolecules</i> , 2008 , 41, 5577-5581	5.5	30
223	Segmented Polyimides with Poly(ethylene oxide) Blocks Exhibiting Liquid Crystallinity. <i>Macromolecules</i> , 2008 , 41, 1034-1040	5.5	15
222	The Specific Work of Flow as a Universal Parameter to Control the Formation of Shish-Kebab Morphology in Polymers. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
221	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , 2008 , 29, 3091-104	15.6	191
220	Toughening by nanostructure. <i>Polymer</i> , 2008 , 49, 4475-4488	3.9	235
219	Polymers: the quest for motility. <i>Materials Today</i> , 2008 , 11, 20-23	21.8	51
218	Controlling Fusion and Aggregation in Polymersome Dispersions. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1855-1860	4.8	32
217	Development of a bioreactor for evaluating novel nerve conduits. <i>Biotechnology and Bioengineering</i> , 2008 , 99, 1250-60	4.9	28
216	The relationship between polyurethane foam microstructure and foam aging. <i>Polymer</i> , 2008 , 49, 934-942	3.9	29
215	Characterisation of polyurethane networks based on vegetable derived polyol. <i>Polymer</i> , 2008 , 49, 3279-3287	3.8	58
214	The use of irinotecan, oxaliplatin and raltitrexed for the treatment of advanced colorectal cancer: systematic review and economic evaluation. <i>Health Technology Assessment</i> , 2008 , 12, iii-ix, xi-162	4.4	53
213	Smart particles as a foam stabilizer. <i>KONA Powder and Particle Journal</i> , 2008 , 26, 2-2	3.4	
212	Lamellarsomes: metastable polymeric multilamellar aggregates. <i>Soft Matter</i> , 2007 , 3, 470-475	3.6	25
211	Effect of substrate and molecular weight on the stability of thin films of semicrystalline block copolymers. <i>Langmuir</i> , 2007 , 23, 3673-9	4	12

210	Antagonistic Triblock Polymer Gels Powered by pH Oscillations. <i>Macromolecules</i> , 2007 , 40, 4393-4395	5.5	75
209	Development of a 3D cell culture system for investigating cell interactions with electrospun fibers. <i>Biotechnology and Bioengineering</i> , 2007 , 97, 1318-28	4.9	87
208	Electrospinning pH-Responsive Block Copolymer Nanofibers. <i>Advanced Materials</i> , 2007 , 19, 3544-3548	24	58
207	Biomimetic pH Sensitive Polymersomes for Efficient DNA Encapsulation and Delivery. <i>Advanced Materials</i> , 2007 , 19, 4238-4243	24	390
206	Morphology of semicrystalline oxyethylene/oxybutylene block copolymer thin films on mica. <i>Polymer</i> , 2007 , 48, 7201-7210	3.9	12
205	Structural models of metastable phases occurring during the crystallization process of saturated/unsaturated triacylglycerols. <i>Journal of Applied Crystallography</i> , 2007 , 40, s297-s302	3.8	22
204	The application of distance distribution functions to structural analysis of core-shell particles. <i>Journal of Applied Crystallography</i> , 2007 , 40, s506-s511	3.8	12
203	Investigation of fibroblast and keratinocyte cell-scaffold interactions using a novel 3D cell culture system. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 321-8	4.5	23
202	Autonomous Volume Transitions of a Polybase Triblock Copolymer Gel in a Chemically Driven pH-Oscillator. <i>Macromolecular Symposia</i> , 2007 , 256, 95-104	0.8	25
201	Self-motile colloidal particles: from directed propulsion to random walk. <i>Physical Review Letters</i> , 2007 , 99, 048102	7.4	1402
200	Cross-linking of cationic block copolymer micelles by silica deposition. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1717-23	16.4	172
199	The performance of poly(styrene)-block-poly(2-vinyl pyridine)-block-poly(styrene) triblock copolymers as pH-driven actuators. <i>Soft Matter</i> , 2007 , 3, 1506-1512	3.6	26
198	Real-time detection of stress in 3D tissue-engineered constructs using NF-kappaB activation in transiently transfected human dermal fibroblast cells. <i>Tissue Engineering</i> , 2007 , 13, 1013-24		16
197	Neuron-like tubular membranes made of diblock copolymer amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2052-6	16.4	41
196	Neuron-Like Tubular Membranes Made of Diblock Copolymer Amphiphiles. <i>Angewandte Chemie</i> , 2006 , 118, 2106-2110	3.6	5
195	Synthesis and Peptide-Induced Degradation of Biocompatible Fibers Based on Highly Branched Poly(2-hydroxyethyl methacrylate). <i>Advanced Materials</i> , 2006 , 18, 1566-1570	24	67
194	The pH-induced swelling and collapse of a polybase brush synthesized by atom transfer radical polymerization. <i>Soft Matter</i> , 2006 , 2, 1076-1080	3.6	48
193	When a cartoon is just not funny. <i>Soft Matter</i> , 2006 , 2, 103-104	3.6	

192	Reciprocating power generation in a chemically driven synthetic muscle. <i>Nano Letters</i> , 2006 , 6, 73-7	11.5	125
191	Shear-Induced Crystallization in Blends of Model Linear and Long-Chain Branched Hydrogenated Polybutadienes. <i>Macromolecules</i> , 2006 , 39, 5058-5071	5.5	86
190	Effect of Amphiphile Size on the Transformation from a Lyotropic Gel to a Vesicular Dispersion. <i>Macromolecules</i> , 2006 , 39, 798-805	5.5	52
189	Synthesis and Solid State Properties of a Poly(methyl methacrylate)-block-poly(2-(diethylamino)ethyl methacrylate)-block-poly(methyl methacrylate) Triblock Copolymer. <i>Macromolecules</i> , 2006 , 39, 5573-5576	5.5	34
188	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, 24384-9	3.4	13
187	Long-range structural order, moiré patterns, and iridescence in latex-stabilized foams. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7882-6	16.4	103
186	Thin Film Morphology of Symmetric Semicrystalline Oxyethylene/Oxybutylene Diblock Copolymers on Silicon. <i>Macromolecules</i> , 2006 , 39, 5471-5478	5.5	26
185	Aqueous particulate foams stabilized solely with polymer latex particles. <i>Langmuir</i> , 2006 , 22, 7512-20	4	116
184	Polymeric vesicle permeability: a facile chemical assay. <i>Langmuir</i> , 2006 , 22, 4910-3	4	96
183	Pathways of polymeric vesicle formation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10272-9	3.4	99
182	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	3.3	24
181	Synthesis and characterisation of poly(sodium 4-styrenesulfonate) combs. <i>Polymer</i> , 2006 , 47, 3455-3463	3.9	34
180	A toolbox approach to adhesive design. <i>Reactive and Functional Polymers</i> , 2006 , 66, 41-49	4.6	1
179	Self-organization of skin cells in three-dimensional electrospun polystyrene scaffolds. <i>Tissue Engineering</i> , 2005 , 11, 1023-33		117
178	Development of a closed bioreactor system for culture of tissue-engineered skin at an air-liquid interface. <i>Tissue Engineering</i> , 2005 , 11, 1824-31		34
177	Self-organising polymers. <i>Faraday Discussions</i> , 2005 , 128, 421-5	3.6	2
176	Responsive brushes and gels as components of soft nanotechnology. <i>Faraday Discussions</i> , 2005 , 128, 55-74	3.6	84
175	Mechanical Actuation by Responsive Polyelectrolyte Brushes and Triblock Gels. <i>Journal of Macromolecular Science - Physics</i> , 2005 , 44, 1103-1121	1.4	26

174	Bilayers and interdigitation in block copolymer vesicles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8757-64	16.4	249
173	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , 2005 , 38, 4947-4949	5.5	45
172	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	1.2	8
171	Can rheometry measure crystallization kinetics? A comparative study using block copolymers. <i>Polymer</i> , 2005 , 46, 2739-2747	3.9	17
170	The evolution of vesicles from bulk lamellar gels. <i>Nature Materials</i> , 2005 , 4, 869-76	27	124
169	Diffusion Control of Homogeneous Crystallization in Nanoconfined Domains of Block Copolymers. <i>Journal of Macromolecular Science - Physics</i> , 2004 , 43, 685-694	1.4	11
168	Effect of the amorphous segment on the nonisothermal crystallization and morphology of oxyethyleneoxybutylene block copolymers. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 870-876	2.9	6
167	Poly(Oxyalkylene) Block Copolymers in Aqueous Solution Phase Behavior and Transition Kinetics. <i>Journal of Macromolecular Science - Physics</i> , 2004 , 43, 71-93	1.4	2
166	Reaction-Induced Phase Separation in Polyoxyethylene/Polystyrene Blends. I. Ternary Phase Diagram. <i>Journal of Macromolecular Science - Physics</i> , 2004 , 43, 219-232	1.4	2
165	Low-Frequency Raman Spectroscopy of Oxyethylene/Oxybutylene/Oxyethylene Triblock Copolymers. <i>Macromolecules</i> , 2004 , 37, 3077-3079	5.5	3
164	FACILITIES FOR SYNCHROTRON X-RAY MATERIALS PROCESSING ON THE SRS DARESBUURY 2004 ,		3
163	Effect of the molecular weight of the homopolymers on the morphology in ternary blends of polystyrene, polyisoprene, polystyrene-block-polyisoprene copolymer. <i>Polymer</i> , 2003 , 44, 7397-7403	3.9	21
162	Comparison of the electrophilic and free-radical addition of halogens with hexafluoro-1,3-butadiene and 1,3-butadiene. <i>Journal of Fluorine Chemistry</i> , 2003 , 123, 171-176	2.1	6
161	The barrier properties of polyethylene terephthalate to mixtures of oxygen, carbon dioxide and nitrogen. <i>Polymer</i> , 2003 , 44, 1631-1640	3.9	18
160	Phase diagram prediction for a blend of Poly(2,6-dimethyl-1,4-phenylene ether) (PPE)/epoxy resin during reaction induced phase separation. <i>Polymer</i> , 2003 , 44, 3641-3647	3.9	16
159	Crystallization behavior of oxyethylene/oxybutylene diblock and triblock copolymers. <i>Polymer</i> , 2003 , 44, 6843-6850	3.9	40
158	Recent experiments on a small-angle/wide-angle X-ray scattering beam line at the ESRF. <i>Journal of Applied Crystallography</i> , 2003 , 36, 791-794	3.8	253
157	Chain Folding in Semicrystalline Oxybutylene/Oxyethylene/Oxybutylene Triblock Copolymers Studied by Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6946-6953	3.4	7

156	Early Stages of Crystallization in Isotactic Polypropylene. <i>Macromolecules</i> , 2003 , 36, 3656-3665	5.5	88
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154	The effect of architecture on the morphology and crystallization of oxyethylene/oxybutylene block copolymers from micelles in n-hexane. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2740-2748		46
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