

# Anthony J Ryan

## List of Publications by Citations

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317  
papers

21,361  
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77  
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136  
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339  
ext. papers

22,835  
ext. citations

6.4  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
317	Self-motile colloidal particles: from directed propulsion to random walk. <i>Physical Review Letters</i> , <b>2007</b> , 99, 048102	7.4	1402
316	Self-Assembled Block Copolymer Aggregates: From Micelles to Vesicles and their Biological Applications. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 267-77	4.8	1199
315	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. <i>Macromolecules</i> , <b>1995</b> , 28, 8796-8806	5.5	875
314	Mechanistic insights for block copolymer morphologies: how do worms form vesicles?. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16581-7	16.4	593
313	Modes of Crystallization in Block Copolymer Microdomains: Breakout, Templated, and Confined. <i>Macromolecules</i> , <b>2002</b> , 35, 2365-2374	5.5	397
312	Biomimetic pH Sensitive Polymersomes for Efficient DNA Encapsulation and Delivery. <i>Advanced Materials</i> , <b>2007</b> , 19, 4238-4243	24	390
311	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. <i>Macromolecules</i> , <b>1994</b> , 27, 6922-6935	5.5	367
310	Aqueous dispersion polymerization: a new paradigm for in situ block copolymer self-assembly in concentrated solution. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15707-13	16.4	355
309	Spinodal-Assisted Crystallization in Polymer Melts. <i>Physical Review Letters</i> , <b>1998</b> , 81, 373-376	7.4	330
308	Polymer crystallization in 25-nm spheres. <i>Physical Review Letters</i> , <b>2000</b> , 84, 4120-3	7.4	312
307	Predictive Phase Diagrams for RAFT Aqueous Dispersion Polymerization: Effect of Block Copolymer Composition, Molecular Weight, and Copolymer Concentration. <i>Macromolecules</i> , <b>2012</b> , 45, 5099-5107	5.5	307
306	Sterilizable gels from thermoresponsive block copolymer worms. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9741-8	16.4	303
305	Polymer Crystallization Confined in One, Two, or Three Dimensions. <i>Macromolecules</i> , <b>2001</b> , 34, 8968-8973	7.5	293
304	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> , <b>2014</b> , 136, 1023-33	16.4	284
303	Recent experiments on a small-angle/wide-angle X-ray scattering beam line at the ESRF. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 791-794	3.8	253
302	Bilayers and interdigitation in block copolymer vesicles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8757-64	16.4	249
301	Toughening by nanostructure. <i>Polymer</i> , <b>2008</b> , 49, 4475-4488	3.9	235

300	Structure Development in Semicrystalline Diblock Copolymers Crystallizing from the Ordered Melt. <i>Macromolecules</i> , <b>1995</b> , 28, 3860-3868	5.5	209
299	Crystallization in Oriented Semicrystalline Diblock Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 8835-8843	5.5	206
298	Transformations to and from the Gyroid Phase in a Diblock Copolymer. <i>Macromolecules</i> , <b>1998</b> , 31, 5702-5716	5.5	200
297	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , <b>2008</b> , 29, 3091-104	15.6	191
296	Time resolved simultaneous small- and wide-angle X-ray scattering during polyethylene deformationII. Cold drawing of linear polyethylene. <i>Polymer</i> , <b>1998</b> , 39, 39-52	3.9	188
295	Density fluctuations: The nucleation event in isotactic polypropylene crystallization. <i>Polymer</i> , <b>1998</b> , 39, 2381-2385	3.9	179
294	Templated formation of giant polymer vesicles with controlled size distributions. <i>Nature Materials</i> , <b>2009</b> , 8, 507-11	27	176
293	Cross-linking of cationic block copolymer micelles by silica deposition. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1717-23	16.4	172
292	A Real-Time Simultaneous Small- and Wide-Angle X-ray Scattering Study of In-Situ Deformation of Isotropic Polyethylene. <i>Macromolecules</i> , <b>1995</b> , 28, 6383-6393	5.5	165
291	The Specific Work of Flow as a Criterion for Orientation in Polymer Crystallization. <i>Macromolecules</i> , <b>2008</b> , 41, 1901-1904	5.5	162
290	Dynamics of Structure Formation in Crystallizable Block Copolymers. <i>Macromolecules</i> , <b>1995</b> , 28, 1422-1438	5.5	150
289	Complex Phase Behavior in Solvent-Free Nonionic Surfactants. <i>Science</i> , <b>1996</b> , 271, 976-978	33.3	137
288	Controlling polymersome surface topology at the nanoscale by membrane confined polymer/polymer phase separation. <i>ACS Nano</i> , <b>2011</b> , 5, 1775-84	16.7	136
287	Self-assembled autonomous runners and tumblers. <i>Physical Review E</i> , <b>2010</b> , 82, 015304	2.4	135
286	Simultaneous time resolved SAXS and WAXS experiments using synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1993</b> , 326, 587-591	1.2	135
285	Control of Structural Morphology in Shear-Induced Crystallization of Polymers. <i>Macromolecules</i> , <b>2010</b> , 43, 2389-2405	5.5	134
284	Time resolved simultaneous small- and wide-angle X-ray scattering during polyethylene deformation: 1. Cold drawing of ethylene- $\alpha$ -olefin copolymers. <i>Polymer</i> , <b>1997</b> , 38, 5521-5538	3.9	129
283	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> , <b>2015</b> , 137, 1929-37	16.4	125

282	Reciprocating power generation in a chemically driven synthetic muscle. <i>Nano Letters</i> , <b>2006</b> , 6, 73-7	11.5	125
281	The evolution of vesicles from bulk lamellar gels. <i>Nature Materials</i> , <b>2005</b> , 4, 869-76	27	124
280	Correlating Structure with Function in Thermally Annealed PCDTBT:PC70BM Photovoltaic Blends. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 1399-1408	15.6	123
279	From Hard Spheres to Soft Spheres: The Effect of Copolymer Composition on the Structure of Micellar Cubic Phases Formed by Diblock Copolymers in Aqueous Solution. <i>Langmuir</i> , <b>2000</b> , 16, 2508-2514	4	119
278	Self-organization of skin cells in three-dimensional electrospun polystyrene scaffolds. <i>Tissue Engineering</i> , <b>2005</b> , 11, 1023-33		117
277	Morphologies of Microphase-Separated A2B Simple Graft Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 5091-5098	5.98	117
276	Aqueous particulate foams stabilized solely with polymer latex particles. <i>Langmuir</i> , <b>2006</b> , 22, 7512-20	4	116
275	The development of nanoscale morphology in polymer:fullerene photovoltaic blends during solvent casting. <i>Soft Matter</i> , <b>2010</b> , 6, 4128	3.6	115
274	Crystallization of a Weakly Segregated Polyolefin Diblock Copolymer. <i>Macromolecules</i> , <b>1995</b> , 28, 4932-4938	3.38	115
273	An aligned 3D neuronal-gial co-culture model for peripheral nerve studies. <i>Biomaterials</i> , <b>2012</b> , 33, 5901-136	13.6	113
272	Dynamics of Structure Formation and Crystallization in Asymmetric Diblock Copolymers. <i>Macromolecules</i> , <b>1997</b> , 30, 8338-8343	5.5	110
271	Chain Folding in Crystallizable Block Copolymers. <i>Macromolecules</i> , <b>1997</b> , 30, 1723-1727	5.5	109
270	Crystallization of nanoscale-confined diblock copolymer chains. <i>Polymer</i> , <b>1996</b> , 37, 4425-4429	3.9	105
269	Long-range structural order, moiré patterns, and iridescence in latex-stabilized foams. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7882-6	16.4	103
268	Isothermal Crystallization Kinetics and Melting Behavior of Poly(oxyethylene)-b-poly(oxybutylene)/Poly(oxybutylene) Blends. <i>Macromolecules</i> , <b>2002</b> , 35, 6937-6945	5.5	103
267	From a Water-Immiscible Monomer to Block Copolymer Nano-Objects via a One-Pot RAFT Aqueous Dispersion Polymerization Formulation. <i>Macromolecules</i> , <b>2013</b> , 46, 769-777	5.5	102
266	A Phase Diagram of the P3HT:PCBM Organic Photovoltaic System: Implications for Device Processing and Performance. <i>Macromolecules</i> , <b>2011</b> , 44, 2908-2917	5.5	100
265	A synchrotron X-ray study of melting and recrystallization in isotactic polypropylene. <i>Polymer</i> , <b>1997</b> , 38, 759-768	3.9	100

264	Pathways of polymeric vesicle formation. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 10272-9	3.4	99
263	The Combination of Thermal Analysis and Time-Resolved X-ray Techniques: a Powerful Method for Materials Characterization. <i>Journal of Applied Crystallography</i> , <b>1995</b> , 28, 26-32	3.8	97
262	Polymeric vesicle permeability: a facile chemical assay. <i>Langmuir</i> , <b>2006</b> , 22, 4910-3	4	96
261	In situ simultaneous small and wide angle x-ray scattering: A new technique to study starch gelatinization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1994</b> , 32, 1579-1583	2.6	96
260	The Nanoscale Morphology of a PCDTBT:PCBM Photovoltaic Blend. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 499-504	21.8	95
259	In-Situ Studies of Structure Development during the Reactive Processing of Model Flexible Polyurethane Foam Systems Using FT-IR Spectroscopy, Synchrotron SAXS, and Rheology. <i>Macromolecules</i> , <b>1996</b> , 29, 2960-2968	5.5	94
258	Simultaneous SAXS/WAXS and d.s.c. analysis of the melting and recrystallization behaviour of quenched polypropylene. <i>Polymer</i> , <b>1994</b> , 35, 1352-1358	3.9	93
257	Chain Folding in Semicrystalline Oxyethylene/Oxybutylene Diblock Copolymers. <i>Macromolecules</i> , <b>1997</b> , 30, 8392-8400	5.5	92
256	Morphological Confinement on Crystallization in Blends of Poly(oxyethylene-block-oxybutylene) and Poly(oxybutylene). <i>Macromolecules</i> , <b>2002</b> , 35, 3614-3621	5.5	90
255	Early Stages of Crystallization in Isotactic Polypropylene. <i>Macromolecules</i> , <b>2003</b> , 36, 3656-3665	5.5	88
254	Development of a 3D cell culture system for investigating cell interactions with electrospun fibers. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 1318-28	4.9	87
253	Silk and synthetic polymers: reconciling 100 degrees of separation. <i>Advanced Materials</i> , <b>2012</b> , 24, 105-9, 104	24	86
252	Shear-Induced Crystallization in Blends of Model Linear and Long-Chain Branched Hydrogenated Polybutadienes. <i>Macromolecules</i> , <b>2006</b> , 39, 5058-5071	5.5	86
251	An FT i.r. study of reaction kinetics and structure development in model flexible polyurethane foam systems. <i>Polymer</i> , <b>1996</b> , 37, 1353-1361	3.9	86
250	Tailoring Macromolecular Expression at Polymersome Surfaces. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2906-2914	15.6	84
249	Responsive brushes and gels as components of soft nanotechnology. <i>Faraday Discussions</i> , <b>2005</b> , 128, 55-74	3.6	84
248	Structures of Oxyethylene/Oxybutylene Diblock Copolymers in Their Solid and Liquid States. <i>Macromolecules</i> , <b>1995</b> , 28, 6029-6041	5.5	83
247	Order-disorder transition in a block copolyurethane. <i>Macromolecules</i> , <b>1992</b> , 25, 6277-6283	5.5	82

246	Chemically induced oscillations in a pH-responsive hydrogel. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 1367-1369	3.6	81
245	Processing of Poly(2,6-dimethyl-1,4-phenylene ether) with Epoxy Resin. 1. Reaction-Induced Phase Separation. <i>Macromolecules</i> , <b>2000</b> , 33, 158-166	5.5	80
244	Testosterone, growth hormone and IGF-I responses to acute and chronic resistive exercise in men aged 55-70 years. <i>International Journal of Sports Medicine</i> , <b>1995</b> , 16, 445-50	3.6	80
243	Simultaneous studies of reaction kinetics and structure development in polymer processing. <i>Science</i> , <b>1995</b> , 267, 996-9	33.3	80
242	Ordered Phases in Aqueous Solutions of Diblock Oxyethylene/Oxybutylene Copolymers Investigated by Simultaneous Small-Angle X-ray Scattering and Rheology. <i>Macromolecules</i> , <b>1997</b> , 30, 5721-5728	5.5	77
241	Microphase-Separation Behavior of Triblock Copolymer Melts. Comparison with Diblock Copolymer Melts. <i>Macromolecules</i> , <b>2000</b> , 33, 5124-5130	5.5	77
240	Aqueous mesophases of block copolymers of ethylene oxide and 1,2-butylene oxide. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 2972-2980	3.6	76
239	Development of an Ibuprofen-releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 105, 396-408	4.9	75
238	Crystallization thermodynamics and kinetics in semicrystalline diblock copolymers. <i>Polymer</i> , <b>1998</b> , 39, 1429-1437	3.9	75
237	Antagonistic Triblock Polymer Gels Powered by pH Oscillations. <i>Macromolecules</i> , <b>2007</b> , 40, 4393-4395	5.5	75
236	A scattering study of nucleation phenomena in polymer crystallisation. <i>Faraday Discussions</i> , <b>1999</b> , 112, 13-29	3.6	75
235	Use of rapidly mineralising osteoblasts and short periods of mechanical loading to accelerate matrix maturation in 3D scaffolds. <i>Bone</i> , <b>2009</b> , 44, 822-9	4.7	74
234	Facile Synthesis of Well-Defined Hydrophilic Methacrylic Macromonomers Using ATRP and Click Chemistry. <i>Macromolecules</i> , <b>2008</b> , 41, 9542-9547	5.5	74
233	Soft hydrogels from nanotubes of poly(ethylene oxide)-tetraphenylalanine conjugates prepared by click chemistry. <i>Langmuir</i> , <b>2009</b> , 25, 2479-85	4	73
232	Synthesis, characterization and swelling behaviour of poly(methacrylic acid) brushes synthesized using atom transfer radical polymerization. <i>Polymer</i> , <b>2009</b> , 50, 1005-1014	3.9	71
231	Combined microfabrication and electrospinning to produce 3-D architectures for corneal repair. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 5511-20	10.8	70
230	Morphology Development via Reaction-Induced Phase Separation in Flexible Polyurethane Foam. <i>Macromolecules</i> , <b>2002</b> , 35, 5034-5042	5.5	70
229	pH controlled assembly of a polybutadiene-poly(methacrylic acid) copolymer in water: packing considerations and kinetic limitations. <i>Soft Matter</i> , <b>2009</b> , 5, 1674	3.6	69

228	Synthesis and Peptide-Induced Degradation of Biocompatible Fibers Based on Highly Branched Poly(2-hydroxyethyl methacrylate). <i>Advanced Materials</i> , <b>2006</b> , 18, 1566-1570	24	67
227	Rheological Behavior and Gel-Point Determination for a Model Lewis Acid-Initiated Chain Growth Epoxy Resin. <i>Macromolecules</i> , <b>2001</b> , 34, 2973-2980	5.5	65
226	Interplay between gelation and phase separation in aqueous solutions of methylcellulose and hydroxypropylmethylcellulose. <i>Langmuir</i> , <b>2012</b> , 28, 10551-7	4	62
225	Ordered melts of block copolymers of ethylene oxide and 1,2-butylene oxide. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 2961-2971	3.6	62
224	Micellar Ordering in Concentrated Solutions of Di- and Triblock Copolymers in a Slightly Selective Solvent. <i>Macromolecules</i> , <b>1998</b> , 31, 1188-1196	5.5	61
223	Toward polymer upcycling-adding value and tackling circularity. <i>Science</i> , <b>2021</b> , 373, 66-69	33.3	61
222	The effect of annealing on the structure and properties of isotactic polypropylene films. <i>Journal of Macromolecular Science - Physics</i> , <b>1995</b> , 34, 427-458	1.4	60
221	The effect of PEO length on the self-assembly of poly(ethylene oxide)-tetrapeptide conjugates prepared by "Click" chemistry. <i>Langmuir</i> , <b>2009</b> , 25, 11082-9	4	59
220	Shear-Induced Orientational Transitions in the Body-Centered Cubic Phase of a Diblock Copolymer Gel. <i>Macromolecules</i> , <b>1998</b> , 31, 3906-3911	5.5	59
219	Large Cyclic Poly(oxyethylene)s: Chain Folding in the Crystalline State Studied by Raman Spectroscopy, X-ray Scattering, and Differential Scanning Calorimetry. <i>Macromolecules</i> , <b>1998</b> , 31, 3030-3039	5.5	59
218	Order, Disorder, and Composition Fluctuation Effects in Low Molar Mass Hydrocarbon-Poly(dimethylsiloxane) Diblock Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 5940-5947	5.5	59
217	Dynamics of (micro)phase separation during fast, bulk copolymerization: some synchrotron SAXS experiments. <i>Macromolecules</i> , <b>1991</b> , 24, 2883-2889	5.5	59
216	Electrospinning pH-Responsive Block Copolymer Nanofibers. <i>Advanced Materials</i> , <b>2007</b> , 19, 3544-3548	24	58
215	Characterisation of polyurethane networks based on vegetable derived polyol. <i>Polymer</i> , <b>2008</b> , 49, 3279-3287	3.287	58
214	A direct method to determine the degree of crystallinity and lamellar thickness of polymers: application to polyethylene. <i>Polymer</i> , <b>1994</b> , 35, 4537-4544	3.9	58
213	Effect of the Hofmeister anions upon the swelling of a self-assembled pH-responsive hydrogel. <i>Langmuir</i> , <b>2010</b> , 26, 10191-7	4	57
212	Effect of Chain Extenders on the Morphology Development in Flexible Polyurethane Foam. <i>Macromolecules</i> , <b>2002</b> , 35, 6306-6312	5.5	57
211	Structure and Dynamics of Concentrated Solutions of Asymmetric Block Copolymers in Slightly Selective Solvents. <i>Macromolecules</i> , <b>1996</b> , 29, 5955-5964	5.5	57

210	Simplifying corneal surface regeneration using a biodegradable synthetic membrane and limbal tissue explants. <i>Biomaterials</i> , <b>2013</b> , 34, 5088-106	15.6	56
209	Microphase Separation in Poly(oxyethylene)Poly(oxybutylene) Diblock Copolymers. <i>Macromolecules</i> , <b>1998</b> , 31, 8110-8116	5.5	56
208	1 $\alpha$ ,25 dihydroxyvitamin D3 enhances cellular defences against UV-induced oxidative and other forms of DNA damage in skin. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 1837-47	4.2	54
207	Using poly(lactide-co-glycolide) electrospun scaffolds to deliver cultured epithelial cells to the cornea. <i>Regenerative Medicine</i> , <b>2010</b> , 5, 395-401	2.5	54
206	Effect of shear on cubic phases in gels of a diblock copolymer. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 6929-6936	3.9	54
205	A Synchrotron SAXS Study of Structure Development Kinetics during the Reactive Processing of Flexible Polyurethane Foam. <i>Macromolecules</i> , <b>1994</b> , 27, 5428-5439	5.5	54
204	On the mechanism of formation of vesicles from poly(ethylene oxide)-block-poly(caprolactone) copolymers. <i>Soft Matter</i> , <b>2009</b> , 5, 3086	3.6	53
203	Rheology and structures of aqueous gels of diblock(oxyethyleneoxybutylene) copolymers with lengthy oxyethylene blocks. <i>Physical Chemistry Chemical Physics</i> , <b>2000</b> , 2, 2755-2763	3.6	53
202	Shear-Induced Lamellar Rotation Observed in a Diblock Copolymer by in Situ Small-Angle X-ray Scattering. <i>Macromolecules</i> , <b>1999</b> , 32, 4668-4676	5.5	53
201	The use of irinotecan, oxaliplatin and raltitrexed for the treatment of advanced colorectal cancer: systematic review and economic evaluation. <i>Health Technology Assessment</i> , <b>2008</b> , 12, iii-ix, xi-162	4.4	53
200	Effect of Amphiphile Size on the Transformation from a Lyotropic Gel to a Vesicular Dispersion. <i>Macromolecules</i> , <b>2006</b> , 39, 798-805	5.5	52
199	Polymers: the quest for motility. <i>Materials Today</i> , <b>2008</b> , 11, 20-23	21.8	51
198	OrderDisorder Transition in Poly(oxyethylene)Poly(oxybutylene) Diblock Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 6212-6221	5.5	50
197	Melting, reaction and recrystallization in a reactive PC-PBT blend. <i>Polymer</i> , <b>1997</b> , 38, 1923-1928	3.9	49
196	Nitric oxide synthase inhibitors decrease coronary sinus-free radical concentration and ameliorate myocardial stunning in an ischemia-reperfusion model. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 38, 546-54	15.1	49
195	The pH-induced swelling and collapse of a polybase brush synthesized by atom transfer radical polymerization. <i>Soft Matter</i> , <b>2006</b> , 2, 1076-1080	3.6	48
194	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> , <b>2003</b> , 13, 2740-2748		46
193	Crystallization in block copolymer melts: Small soft structures that template larger hard structures. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 5425-5431	3.9	46



192	A correlation between residual radiation-induced DNA double-strand breaks in cultured fibroblasts and late radiotherapy reactions in breast cancer patients. <i>Radiotherapy and Oncology</i> , <b>1999</b> , 51, 55-65	5.3	46
191	Crystallization and Ionic Associations in Semicrystalline Ionomers. <i>Macromolecules</i> , <b>1998</b> , 31, 1432-1435	5.5	45
190	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , <b>2005</b> , 38, 4947-4949	5.5	45
189	Are metastable, precristallisation, density-fluctuations a universal phenomena?. <i>Faraday Discussions</i> , <b>2003</b> , 122, 343-61; discussion 381-93	3.6	45
188	Self-assembly of double hydrophilic block copolymers in concentrated aqueous solution. <i>Soft Matter</i> , <b>2011</b> , 7, 6399	3.6	44
187	Time resolved simultaneous small- and wide-angle X-ray scattering during polyethylene deformation 3. Compression of polyethylene. <i>Polymer</i> , <b>1998</b> , 39, 781-792	3.9	44
186	Lamellar-to-gyroid transition in a poly(oxyethylene)/poly(oxybutylene) diblock copolymer melt. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 2097-2101	3.6	44
185	Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7253-7262	15.6	43
184	Micro- vs. macro-phase separation in binary blends of poly(styrene)-poly(isoprene) and poly(isoprene)-poly(ethylene oxide) diblock copolymers. <i>Europhysics Letters</i> , <b>2001</b> , 53, 680-686	1.6	43
183	Spinodal decomposition during bulk copolymerization: reaction injection moulding. <i>Polymer</i> , <b>1990</b> , 31, 707-712	3.9	42
182	Neuron-like tubular membranes made of diblock copolymer amphiphiles. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2052-6	16.4	41
181	Crystallization behavior of oxyethylene/oxybutylene diblock and triblock copolymers. <i>Polymer</i> , <b>2003</b> , 44, 6843-6850	3.9	40
180	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> , <b>2013</b> , 54, 6580-6588	3.9	39
179	Direct visualization of the real time swelling and collapse of a poly(methacrylic acid) brush using atomic force microscopy. <i>Soft Matter</i> , <b>2009</b> , 5, 296-299	3.6	39
178	Unexpected facile redistribution of adsorbed silica nanoparticles between latexes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2166-8	16.4	38
177	The hidden potential of urban horticulture. <i>Nature Food</i> , <b>2020</b> , 1, 155-159	14.4	37
176	Lamellar phases and microemulsions in model ternary blends containing amphiphilic block copolymers. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2864-2874		37
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