

# Edwin L Thomas

## List of Publications by Citations

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373  
papers

24,954  
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82  
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143  
g-index

397  
ext. papers

26,587  
ext. citations

8  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
373	Enabling nanotechnology with self assembled block copolymer patterns. <i>Polymer</i> , <b>2003</b> , 44, 6725-6760	3.9	1309
372	A dielectric omnidirectional reflector. <i>Science</i> , <b>1998</b> , 282, 1679-82	33.3	952
371	Graphoepitaxy of self-assembled block copolymers on two-dimensional periodic patterned templates. <i>Science</i> , <b>2008</b> , 321, 939-43	33.3	703
370	The Gyroid: A New Equilibrium Morphology in Weakly Segregated Diblock Copolymers. <i>Macromolecules</i> , <b>1994</b> , 27, 4063-4075	5.5	610
369	Broad-wavelength-range chemically tunable block-copolymer photonic gels. <i>Nature Materials</i> , <b>2007</b> , 6, 957-60	27	499
368	Electroluminescence from heterostructures of poly(phenylene vinylene) and inorganic CdSe nanocrystals. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7965-7974	2.5	466
367	Hard-sphere interactions between spherical domains in diblock copolymers. <i>Macromolecules</i> , <b>1984</b> , 17, 1712-1718	5.5	447
366	Size-selective organization of enthalpic compatibilized nanocrystals in ternary block copolymer/particle mixtures. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5276-7	16.4	424
365	Periodic area-minimizing surfaces in block copolymers. <i>Nature</i> , <b>1988</b> , 334, 598-601	50.4	379
364	Crystallization Temperature-Dependent Crystal Orientations within Nanoscale Confined Lamellae of a Self-Assembled Crystalline-Amorphous Diblock Copolymer. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 5957-5967	16.4	365
363	Micro-/nanostructured mechanical metamaterials. <i>Advanced Materials</i> , <b>2012</b> , 24, 4782-810	24	344
362	Microdomain patterns from directional eutectic solidification and epitaxy. <i>Nature</i> , <b>2000</b> , 405, 433-7	50.4	333
361	Ordered bicontinuous nanoporous and nanorelief ceramic films from self assembling polymer precursors. <i>Science</i> , <b>1999</b> , 286, 1716-9	33.3	310
360	Ordered bicontinuous double-diamond structure of star block copolymers: a new equilibrium microdomain morphology. <i>Macromolecules</i> , <b>1986</b> , 19, 2197-2202	5.5	306
359	Diamond-structured photonic crystals. <i>Nature Materials</i> , <b>2004</b> , 3, 593-600	27	278
358	Effect of the degree of soft and hard segment ordering on the morphology and mechanical behavior of semicrystalline segmented polyurethanes. <i>Polymer</i> , <b>2006</b> , 47, 3073-3082	3.9	274
357	Materials science. Dynamic mechanical behavior of multilayer graphene via supersonic projectile penetration. <i>Science</i> , <b>2014</b> , 346, 1092-6	33.3	237

356	Swelling of lamellar diblock copolymer by homopolymer: influences of homopolymer concentration and molecular weight. <i>Macromolecules</i> , <b>1991</b> , 24, 6182-6188	5.5	229
355	Printable Ferroelectric PVDF/PMMA Blend Films with Ultralow Roughness for Low Voltage Non-Volatile Polymer Memory. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2812-2818	15.6	210
354	Molecular Design, Synthesis, and Characterization of Liquid Crystalline Diblock Copolymers with Azobenzene Side Groups. <i>Macromolecules</i> , <b>1997</b> , 30, 2556-2567	5.5	209
353	Impact of Morphological Orientation in Determining Mechanical Properties in Triblock Copolymer Systems. <i>Chemistry of Materials</i> , <b>1996</b> , 8, 1702-1714	9.6	193
352	Isothermal morphology diagrams for binary blends of diblock copolymer and homopolymer. <i>Macromolecules</i> , <b>1992</b> , 25, 2645-2650	5.5	187
351	Triply Periodic Bicontinuous Cubic Microdomain Morphologies by Symmetries. <i>Macromolecules</i> , <b>2001</b> , 34, 6083-6089	5.5	185
350	25th anniversary article: ordered polymer structures for the engineering of photons and phonons. <i>Advanced Materials</i> , <b>2014</b> , 26, 532-69	24	182
349	Simultaneous localization of photons and phonons in two-dimensional periodic structures. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 251907	3.4	173
348	Co-continuous composite materials for stiffness, strength, and energy dissipation. <i>Advanced Materials</i> , <b>2011</b> , 23, 1524-9	24	169
347	Hard and soft confinement effects on polymer crystallization in microphase separated cylinder-forming PEO-b-PS/PS blends. <i>Polymer</i> , <b>2001</b> , 42, 9121-9131	3.9	162
346	Photonic crystals through holographic lithography: Simple cubic, diamond-like, and gyroid-like structures. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5434-5436	3.4	157
345	Electrospun polymer nanofibers with internal periodic structure obtained by microphase separation of cylindrically confined block copolymers. <i>Nano Letters</i> , <b>2006</b> , 6, 2969-72	11.5	153
344	Novel 2-Dimensionally Periodic Non-Constant Mean Curvature Morphologies of 3-Miktoarm Star Terpolymers of Styrene, Isoprene, and Methyl Methacrylate. <i>Macromolecules</i> , <b>1998</b> , 31, 5272-5277	5.5	153
343	Crystal Orientation Changes in Two-Dimensionally Confined Nanocylinders in a Poly(ethylene oxide)-b-polystyrene/Polystyrene Blend. <i>Macromolecules</i> , <b>2001</b> , 34, 6649-6657	5.5	151
342	Structural Characterization of the Knitting Pattern in Polystyrene-block-poly(ethylene-co-butylene)-block-poly(methyl methacrylate) Triblock Copolymers. <i>Macromolecules</i> , <b>1998</b> , 31, 135-141	5.5	149
341	Observation of a non-constant mean curvature interface in an ABC triblock copolymer. <i>Macromolecules</i> , <b>1993</b> , 26, 2636-2640	5.5	146
340	The effect of surface constraints on the ordering of block copolymer domains. <i>Journal of Materials Science</i> , <b>1988</b> , 23, 1685-1694	4.3	146
339	Bioinspired Electrochemically Tunable Block Copolymer Full Color Pixels. <i>Advanced Materials</i> , <b>2009</b> , 21, 3078-3081	24	145

338	Structural transitions from spherical to nonspherical micelles in blends of poly(styrene-butadiene) diblock copolymer and polystyrene homopolymers. <i>Macromolecules</i> , <b>1988</b> , 21, 3502-3506	5.5	145
337	Deformation of Oriented Lamellar Block Copolymer Films. <i>Macromolecules</i> , <b>2000</b> , 33, 6502-6516	5.5	143
336	Proximity effects in self-organized binary particle-block copolymer blends. <i>Physical Review Letters</i> , <b>2004</b> , 93, 166106	7.4	142
335	Onsets of Tethered Chain Overcrowding and Highly Stretched Brush Regime via Crystalline-Amorphous Diblock Copolymers. <i>Macromolecules</i> , <b>2006</b> , 39, 641-650	5.5	140
334	Initial-Stage Growth Controlled Crystal Orientations in Nanoconfined Lamellae of a Self-Assembled Crystalline-Amorphous Diblock Copolymer. <i>Macromolecules</i> , <b>2001</b> , 34, 1244-1251	5.5	139
333	Observation of a reversible thermotropic order-order transition in a diblock copolymer. <i>Macromolecules</i> , <b>1994</b> , 27, 490-501	5.5	139
332	Mechanochromic photonic gels. <i>Advanced Materials</i> , <b>2013</b> , 25, 3934-47	24	133
331	Minimization of Internal Molecular Free Volume: A Mechanism for the Simultaneous Enhancement of Polymer Stiffness, Strength, and Ductility. <i>Macromolecules</i> , <b>2006</b> , 39, 3350-3358	5.5	130
330	The ordered bicontinuous double-diamond morphology in diblock copolymer/homopolymer blends. <i>Macromolecules</i> , <b>1992</b> , 25, 422-428	5.5	130
329	Structure investigation of poly(p-phenylene vinylene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1986</b> , 24, 2793-2804	2.6	130
328	Ordered morphologies in binary blends of diblock copolymer and homopolymer and characterization of their intermaterial dividing surfaces. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 9367-9373	3.9	129
327	Optical Properties of Polymer-Based Photonic Nanocomposite Materials. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 10017-10024	3.4	128
326	Direct Evidence for Confinement of Junctions to Lines in an 3 Miktoarm Star Terpolymer Microdomain Structure. <i>Macromolecules</i> , <b>1998</b> , 31, 8429-8432	5.5	126
325	Three-dimensional actuators transformed from the programmed two-dimensional structures via bending, twisting and folding mechanisms. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6824		124
324	Confinement Size Effect on Crystal Orientation Changes of Poly(ethylene oxide) Blocks in Poly(ethylene oxide)-b-polystyrene Diblock Copolymers. <i>Macromolecules</i> , <b>2004</b> , 37, 3689-3698	5.5	124
323	Site-isolated luminescent europium complexes with polyester macroligands: metal-centered heteroarm stars and nanoscale assemblies with labile block junctions. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 8526-7	16.4	121
322	One-Dimensionally Periodic Dielectric Reflectors from Self-Assembled Block Copolymer-Homopolymer Blends. <i>Macromolecules</i> , <b>1999</b> , 32, 4748-4750	5.5	118
321	Alignment of Self-Assembled Hierarchical Microstructure in Liquid Crystalline Diblock Copolymers Using High Magnetic Fields. <i>Macromolecules</i> , <b>2004</b> , 37, 9903-9908	5.5	117

320	A Reevaluation of Bicontinuous Cubic Phases in Starblock Copolymers. <i>Macromolecules</i> , <b>1995</b> , 28, 2570-2573	11.7	117
319	Inorganic gyroid with exceptionally low refractive index from block copolymer templating. <i>Nano Letters</i> , <b>2010</b> , 10, 4994-5000	11.5	116
318	Dynamic swelling of tunable full-color block copolymer photonic gels via counterion exchange. <i>ACS Nano</i> , <b>2012</b> , 6, 8933-9	16.7	115
317	Reversible solid-state mechanochromic fluorescence from a boron lipid dye. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8295		115
316	High strain rate deformation of layered nanocomposites. <i>Nature Communications</i> , <b>2012</b> , 3, 1164	17.4	114
315	Lamellar diblock copolymer grain boundary morphology. 1. Twist boundary characterization. <i>Macromolecules</i> , <b>1993</b> , 26, 4506-4520	5.5	113
314	Chemically Shielded Poly(ethylene oxide) Single Crystal Growth and Construction of Channel-Wire Arrays with Chemical and Geometric Recognitions on a Submicrometer Scale. <i>Macromolecules</i> , <b>2004</b> , 37, 5292-5299	5.5	110
313	Onset of tethered chain overcrowding. <i>Physical Review Letters</i> , <b>2004</b> , 93, 028301	7.4	109
312	Ordered packing arrangements of spherical micelles of diblock copolymers in two and three dimensions. <i>Macromolecules</i> , <b>1987</b> , 20, 2934-2939	5.5	109
311	Mechanical Properties and Deformation Behavior of the Double Gyroid Phase in Unoriented Thermoplastic Elastomers. <i>Macromolecules</i> , <b>1999</b> , 32, 8145-8152	5.5	108
310	Molecular orientation and conductivity in highly drawn poly(p-phenylene vinylene). <i>Synthetic Metals</i> , <b>1987</b> , 20, 85-95	3.6	106
309	Microphase separation of block copolymer solutions in a flow field. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1993</b> , 31, 37-46	2.6	103
308	Block copolymers with a twist. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18533-42	16.4	100
307	Full color stop bands in hybrid organic/inorganic block copolymer photonic gels by swelling-freezing. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7538-9	16.4	100
306	Lamellar Diblock Copolymer Grain Boundary Morphology. 4. Tilt Boundaries. <i>Macromolecules</i> , <b>1994</b> , 27, 6137-6144	5.5	100
305	Transfer of chirality from molecule to phase in self-assembled chiral block copolymers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10974-86	16.4	99
304	Direct visualization of microstructural deformation processes in polyethylene. <i>Journal of Materials Science</i> , <b>1986</b> , 21, 2239-2253	4.3	96
303	Mechanically tunable three-dimensional elastomeric network/air structures via interference lithography. <i>Nano Letters</i> , <b>2006</b> , 6, 740-3	11.5	95

302	Epoxy functionalized multi-walled carbon nanotubes for improved adhesives. <i>Carbon</i> , <b>2013</b> , 59, 109-120	10.4	94
301	Combining pattern instability and shape-memory hysteresis for phononic switching. <i>Nano Letters</i> , <b>2009</b> , 9, 2113-9	11.5	92
300	Morphological studies of micelle formation in block copolymer/homopolymer blends. <i>Journal of Chemical Physics</i> , <b>1989</b> , 90, 5806-5825	3.9	91
299	A route to three-dimensional structures in a microfluidic device: stop-flow interference lithography. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 9027-31	16.4	90
298	Poly(ferrocenyldimethylsilanes) for Reactive Ion Etch Barrier Applications. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 429-434	9.6	90
297	Large Area Orientation of Block Copolymer Microdomains in Thin Films via Directional Crystallization of a Solvent. <i>Macromolecules</i> , <b>2001</b> , 34, 2602-2606	5.5	88
296	Ultrastructure of poly(p-phenylenebenzobisoxazole) fibers. <i>Macromolecules</i> , <b>1991</b> , 24, 2450-2460	5.5	88
295	Segregation of block copolymer micelles to surfaces and interfaces. <i>Macromolecules</i> , <b>1991</b> , 24, 2748-2754	5.5	86
294	Comparison of poly(ethylene oxide) crystal orientations and crystallization behaviors in nano-confined cylinders constructed by a poly(ethylene oxide)-b-polystyrene diblock copolymer and a blend of poly(ethylene oxide)-b-polystyrene and polystyrene. <i>Polymer</i> , <b>2006</b> , 47, 5457-5466	3.9	84
293	Nanotailored Crystalline Morphology in Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Macromolecules</i> , <b>2002</b> , 35, 3553-3562	5.5	84
292	New Structural Motif in Hexagonally Ordered Cylindrical Ternary (ABC) Block Copolymer Microdomains. <i>Macromolecules</i> , <b>1998</b> , 31, 6566-6572	5.5	84
291	Robust block copolymer mask for nanopatterning polymer films. <i>ACS Nano</i> , <b>2010</b> , 4, 2088-94	16.7	82
290	Visible mie scattering in nonabsorbing hollow sphere powders. <i>Nano Letters</i> , <b>2011</b> , 11, 1389-94	11.5	81
289	Role of Increased Crystallinity in Deformation-Induced Structure of Segmented Thermoplastic Polyurethane Elastomers with PEO and PEOBPOBEO Soft Segments and HDI Hard Segments. <i>Macromolecules</i> , <b>2009</b> , 42, 2041-2053	5.5	81
288	Block copolymer photonic gel for mechanochromic sensing. <i>Advanced Materials</i> , <b>2011</b> , 23, 4702-6	24	79
287	Perpendicular Deformation of a Near-Single-Crystal Triblock Copolymer with a Cylindrical Morphology. 1. Synchrotron SAXS. <i>Macromolecules</i> , <b>2000</b> , 33, 9395-9406	5.5	79
286	Control of Molecular and Microdomain Orientation in a Semicrystalline Block Copolymer Thin Film by Epitaxy. <i>Macromolecules</i> , <b>2000</b> , 33, 4871-4876	5.5	79
285	Optically Transparent and High Molecular Weight Polyolefin Block Copolymers toward Self-Assembled Photonic Band Gap Materials. <i>Macromolecules</i> , <b>2006</b> , 39, 1913-1919	5.5	78

284	Two-dimensional block copolymer photonic crystals. <i>Polymer</i> , <b>2003</b> , 44, 6549-6553	3.9	77
283	Exploring for 3D photonic bandgap structures in the 11 f.c.c. space groups. <i>Nature Materials</i> , <b>2003</b> , 2, 664-7	27	76
282	Continuous concentric lamellar block copolymer nanofibers with long range order. <i>Nano Letters</i> , <b>2009</b> , 9, 1678-83	11.5	75
281	Triply periodic bicontinuous structures through interference lithography: a level-set approach. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2003</b> , 20, 948-54	1.8	75
280	Solution Crystallization Behavior of Crystalline Crystalline Diblock Copolymers of Poly(ethylene oxide)-block-poly( $\epsilon$ -caprolactone). <i>Macromolecules</i> , <b>2010</b> , 43, 6113-6119	5.5	74
279	Dynamic creation and evolution of gradient nanostructure in single-crystal metallic microcubes. <i>Science</i> , <b>2016</b> , 354, 312-316	33.3	72
278	Periodic bicontinuous composites for high specific energy absorption. <i>Nano Letters</i> , <b>2012</b> , 12, 4392-6	11.5	72
277	Tricontinuous Double Gyroid Cubic Phase in Triblock Copolymers of the ABA Type. <i>Macromolecules</i> , <b>1997</b> , 30, 5634-5642	5.5	72
276	Polarized photoluminescence from poly(p-phenylene-ethynylene) via a block copolymer nanotemplate. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 9942-3	16.4	72
275	Architecturally-Induced Tricontinuous Cubic Morphology in Compositionally Symmetric Miktoarm Starblock Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 3390-3396	5.5	71
274	Printable and Rewritable Full Block Copolymer Structural Color. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700084	24	70
273	Control of Optical Hysteresis in Block Copolymer Photonic Gels: A Step Towards Wet Photonic Memory Films. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1728-1732	15.6	69
272	Compositional Dependence of the Order-Disorder Transition in Diblock Copolymers. <i>Macromolecules</i> , <b>1994</b> , 27, 2392-2397	5.5	69
271	Mesophase texture and defects in thermotropic liquid-crystalline polymers. <i>Faraday Discussions of the Chemical Society</i> , <b>1985</b> , 79, 229		69
270	Optically pumped surface-emitting lasing using self-assembled block-copolymer-distributed Bragg reflectors. <i>Nano Letters</i> , <b>2006</b> , 6, 2211-4	11.5	68
269	Self-Assembly of Block Copolymers for Photonic-Bandgap Materials. <i>MRS Bulletin</i> , <b>2005</b> , 30, 721-726	3.2	68
268	3D printed stretching-dominated micro-trusses. <i>Materials and Design</i> , <b>2017</b> , 134, 272-280	8.1	65
267	Experimental high-resolution electron microscopy of polymers. <i>Polymer</i> , <b>1995</b> , 36, 1743-1759	3.9	65



266	Crystal Orientation Change and Its Origin in One-Dimensional Nanoconfinement Constructed by Polystyrene-block-poly(ethylene oxide) Single Crystal Mats. <i>Macromolecules</i> , <b>2008</b> , 41, 8114-8123	5.5	64
265	Defect-mode mirrorless lasing in dye-doped organic/inorganic hybrid one-dimensional photonic crystal. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 091102	3.4	64
264	Study of oriented block copolymers films obtained by roll-casting. <i>Polymer</i> , <b>2002</b> , 43, 5139-5145	3.9	64
263	Synthesis and Morphological Behavior of Model Linear and Miktoarm Star Copolymers of 2-Methyl-1,3-Pentadiene and Styrene. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1976-1983	9.6	64
262	Investigation of two crystal forms in MDI/BDO-based polyurethanes. <i>Journal of Macromolecular Science - Physics</i> , <b>1983</b> , 22, 509-528	1.4	64
261	Interplay of symmetries of block polymers and confining geometries. <i>European Polymer Journal</i> , <b>2011</b> , 47, 630-646	5.2	63
260	Structural characteristics of biodegradable thermoplastic starch/poly(ethylene vinyl alcohol) blends. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 58, 2259-2285	2.9	63
259	Deformation of oriented high density polyethylene shish-kebab films. <i>Journal of Materials Science</i> , <b>1989</b> , 24, 3311-3318	4.3	63
258	Periodic organic/organometallic microdomain structures in poly(styrene-block-ferrocenyldimethylsilane) copolymers and blends with corresponding homopolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1999</b> , 37, 1009-1021	2.6	62
257	Dislocation-controlled perforated layer phase in a PEO- b-PS diblock copolymer. <i>Physical Review Letters</i> , <b>2001</b> , 86, 6030-3	7.4	61
256	Effect of morphology on the transport of gases in block copolymers. <i>Macromolecules</i> , <b>1987</b> , 20, 1129-1133	3.5	61
255	A compositional study of the morphology of 18-armed poly(styrene-isoprene) star block copolymers. <i>Macromolecules</i> , <b>1987</b> , 20, 2940-2942	5.5	61
254	Microdomain morphology of star copolymers in the strong-segregation limit. <i>Macromolecules</i> , <b>1988</b> , 21, 3221-3230	5.5	61
253	Thermochromic Block Copolymer Photonic Gel. <i>Macromolecules</i> , <b>2008</b> , 41, 4582-4584	5.5	60
252	An Orientationally Ordered Hierarchical Exfoliated Clay/Block Copolymer Nanocomposite. <i>Macromolecules</i> , <b>2005</b> , 38, 5170-5179	5.5	60
251	Double textured cylindrical block copolymer domains via directional solidification on a topographically patterned substrate. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 848-850	3.4	60
250	Gyroid-Forming Diblock Copolymers Confined in Cylindrical Geometry: A Case of Extreme Makeover for Domain Morphology. <i>Macromolecules</i> , <b>2010</b> , 43, 3061-3071	5.5	59
249	Enhanced energy dissipation in periodic epoxy nanoframes. <i>Nano Letters</i> , <b>2010</b> , 10, 2592-7	11.5	59



248	Poly(ethylene oxide) Crystallization within a One-Dimensional Defect-Free Confinement on the Nanoscale. <i>Macromolecules</i> , <b>2008</b> , 41, 4794-4801	5.5	59
247	A surface-reactive rod-coil diblock copolymer: nano- and micropatterned polymer brushes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 514-5	16.4	59
246	Roll-Casting of block copolymers and of block copolymer-homopolymer blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1994</b> , 32, 341-350	2.6	59
245	Thermal annealing of roll-cast triblock copolymer films. <i>Polymer</i> , <b>1997</b> , 38, 3819-3825	3.9	58
244	Nanoporous silicon oxide memory. <i>Nano Letters</i> , <b>2014</b> , 14, 4694-9	11.5	56
243	Bifurcated Mechanical Behavior of Deformed Periodic Porous Solids. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1426-1436	15.6	56
242	Solvent swelling of roll-cast triblock copolymer films. <i>Polymer</i> , <b>1998</b> , 39, 1647-1656	3.9	55
241	Elastic Deformation Mechanism and Phase Transformation in a Shear-Induced Metastable Hexagonally Perforated Layer Phase of a Polystyrene-b-poly(ethylene oxide) Diblock Copolymer. <i>Macromolecules</i> , <b>2003</b> , 36, 3180-3188	5.5	54
240	Synthesis and Morphological Behavior of Silicon-Containing Triblock Copolymers for Nanostructure Applications. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 2109-2115	9.6	54
239	Transverse Cylindrical Microdomain Orientation in an LC Diblock Copolymer under Oscillatory Shear. <i>Macromolecules</i> , <b>1999</b> , 32, 7703-7706	5.5	54
238	Microfibrillar network of a rigid rod polymer. 1. Visualization by electron microscopy. <i>Macromolecules</i> , <b>1988</b> , 21, 433-435	5.5	54
237	Defocus electron microscopy of multiphase polymers: use and misuse. <i>Polymer</i> , <b>1981</b> , 22, 333-341	3.9	54
236	<b>2008</b> ,		54
235	Electrically Tunable Soft-Solid Block Copolymer Structural Color. <i>ACS Nano</i> , <b>2015</b> , 9, 12158-67	16.7	53
234	Poly(ethylene oxide) Crystal Orientation Change under 1D Nanoscale Confinement using Polystyrene-block-poly(ethylene oxide) Copolymers: Confined Dimension and Reduced Tethering Density Effects. <i>Macromolecules</i> , <b>2009</b> , 42, 8343-8352	5.5	53
233	Phase contrast imaging of styrene-isoprene and styrene-butadiene block copolymers. <i>Macromolecules</i> , <b>1983</b> , 16, 1514-1525	5.5	53
232	Superamphiphilic Janus fabric. <i>Langmuir</i> , <b>2010</b> , 26, 19159-62	4	52
231	Lamellar diblock copolymer grain boundary morphology. 2. Scherk twist boundary energy calculations. <i>Macromolecules</i> , <b>1994</b> , 27, 849-861	5.5	52

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