Craig Hawker

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.

583 papers	67,011 citations	133 h-index	238 g-index
635 ext. papers	71,034 ext. citations	9.3 avg, IF	7.95 L-index

#	Paper	IF	Citations
583	Design of Polymeric Zwitterionic Solid Electrolytes with Superionic Lithium Transport.. *ACS Central Science*, **2022**, 8, 169-175	16.8	8
582	Peptides as 3D Printable Feedstocks: Design Strategies and Emerging Applications. *Progress in Polymer Science*, **2021**, 101487	29.6	0
581	Biological Utility of Fluorinated Compounds: from Materials Design to Molecular Imaging, Therapeutics and Environmental Remediation. *Chemical Reviews*, **2021**,	68.1	27
580	Divergent Synthesis of Graft and Branched Copolymers through Spatially Controlled Photopolymerization in Flow Reactors. *Macromolecules*, **2021**, 54, 3430-3446	5.5	14
579	Tough Multimaterial Interfaces through Wavelength-Selective 3D Printing. *ACS Applied Materials & Interfaces*, **2021**, 13, 22065-22072	9.5	12
578	Click chemistry strategies for the accelerated synthesis of functional macromolecules. *Journal of Polymer Science*, **2021**, 59, 963-1042	2.4	35
577	Role of Architecture on Thermorheological Properties of Poly(alkyl methacrylate)-Based Polymers. *Macromolecules*, **2021**, 54, 5473-5483	5.5	2
576	Entrepreneurship in Polymer Chemistry.. *ACS Macro Letters*, **2021**, 10, 864-872	6.6	
575	Chemical and Mechanical Tunability of 3D-Printed Dynamic Covalent Networks Based on Boronate Esters.. *ACS Macro Letters*, **2021**, 10, 857-863	6.6	10
574	Light-Mediated Synthesis and Reprocessing of Dynamic Bottlebrush Elastomers under Ambient Conditions. *Journal of the American Chemical Society*, **2021**, 143, 9866-9871	16.4	18
573	Non-intuitive Trends in Flory□Huggins Interaction Parameters in Polyether-Based Polymers. *Macromolecules*, **2021**, 54, 6670-6677	5.5	1
572	The role of anions in light-driven conductivity in diarylethene-containing polymeric ionic liquids. *Polymer Chemistry*, **2021**, 12, 719-724	4.9	1
571	Versatile Synthetic Platform for Polymer Membrane Libraries Using Functional Networks. *Macromolecules*, **2021**, 54, 866-873	5.5	2
570	Light-Switchable and Self-Healable Polymer Electrolytes Based on Dynamic Diarylethene and Metal-Ion Coordination. *Journal of the American Chemical Society*, **2021**, 143, 1562-1569	16.4	11
569	Properties and applications of precision oligomer materials; where organic and polymer chemistry join forces. *Journal of Polymer Science*, **2021**, 59, 373-403	2.4	24
568	CC Chemokine Receptor 5 Targeted Nanoparticles Imaging the Progression and Regression of Atherosclerosis Using Positron Emission Tomography/Computed Tomography. *Molecular Pharmaceutics*, **2021**, 18, 1386-1396	5.6	8
567	Silicone-based polymer blends: Enhancing properties through compatibilization. *Journal of Polymer Science*, **2021**, 59, 2114-2128	2.4	1

566	Emergence of Hexagonally Close-Packed Spheres in Linear Block Copolymer Melts. *Journal of the American Chemical Society*, **2021**, 143, 14106-14114	16.4	8
565	Rapid Generation of Block Copolymer Libraries Using Automated Chromatographic Separation. *Journal of the American Chemical Society*, **2020**, 142, 9843-9849	16.4	13
564	Norbornadiene Chain-End Functional Polymers as Stable, Readily Available Precursors to Cyclopentadiene Derivatives. *Macromolecules*, **2020**, 53, 4917-4924	5.5	8
563	Investigating Temporal Control in Photoinduced Atom Transfer Radical Polymerization. *Macromolecules*, **2020**, 53, 5280-5288	5.5	21
562	Role of Side-Chain Architecture in Poly(ethylene oxide)-Based Copolymers. *Macromolecules*, **2020**, 53, 4960-4967	5.5	7
561	Multi-responsive hydrogel structures from patterned droplet networks. *Nature Chemistry*, **2020**, 12, 363-370	17.6	73
560	Efficient synthesis of branched poly(acrylic acid) derivatives via postpolymerization modification. *Journal of Polymer Science*, **2020**, 58, 1989-1997	2.4	4
559	Synthesis and Self-Assembly of ABn Miktoarm Star Polymers. *ACS Macro Letters*, **2020**, 9, 396-403	6.6	41
558	100th Anniversary of Macromolecular Science Viewpoint: Block Copolymer Particles: Tuning Shape, Interfaces, and Morphology. *ACS Macro Letters*, **2020**, 9, 306-317	6.6	64
557	High-Throughput Process for the Discovery of Antimicrobial Polymers and Their Upscaled Production via Flow Polymerization. *Macromolecules*, **2020**, 53, 631-639	5.5	32
556	Chain-Length-Dependent Self-Assembly Behaviors of Discrete Conjugated Oligo(3-hexylthiophene). *Chemistry of Materials*, **2020**, 32, 3597-3607	9.6	11
555	Surface-initiated PET-RAFT polymerization under metal-free and ambient conditions using enzyme degassing. *Journal of Polymer Science*, **2020**, 58, 70-76	2.4	
554	Light-Controllable Ionic Conductivity in a Polymeric Ionic Liquid. *Angewandte Chemie*, **2020**, 132, 5161-5166	3.6	1
553	Light-Controllable Ionic Conductivity in a Polymeric Ionic Liquid. *Angewandte Chemie - International Edition*, **2020**, 59, 5123-5128	16.4	27
552	Elucidating the effect of sequence and degree of polymerization on antimicrobial properties for block copolymers. *Polymer Chemistry*, **2020**, 11, 84-90	4.9	19
551	Polymer Stereocomplexation as a Scalable Platform for Nanoparticle Assembly. *Journal of the American Chemical Society*, **2020**, 142, 1667-1672	16.4	22
550	Single-Step, Spin-on Process for High Fidelity and Selective Deposition. *ACS Applied Polymer Materials*, **2020**, 2, 481-486	4.3	3
549	Designing with Light: Advanced 2D, 3D, and 4D Materials. *Advanced Materials*, **2020**, 32, e1903850	24	81

548	Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. *Progress in Polymer Science*, **2020**, 111, 101311	29.6	223
547	Architecture Effects in Complex Spherical Assemblies of (AB)n-Type Block Copolymers. *ACS Macro Letters*, **2020**, 9, 1745-1752	6.6	10
546	Surface-initiated PET-RAFT polymerization under metal-free and ambient conditions using enzyme degassing. *Journal of Polymer Science*, **2020**, 58, 70-76	2.4	21
545	Engineering crack tortuosity in printed polymer–polymer composites through ordered pores. *Materials Horizons*, **2020**, 7, 1854-1860	14.4	4
544	Click-Particle Display for Base-Modified Aptamer Discovery. *ACS Chemical Biology*, **2019**, 14, 2652-2662	4.9	18
543	Metal-Free Room-Temperature Vulcanization of Silicones via Borane Hydrosilylation. *Macromolecules*, **2019**, 52, 7244-7250	5.5	8
542	DNA-Inspired Strand-Exchange for Switchable PMMA-Based Supramolecular Morphologies. *Journal of the American Chemical Society*, **2019**, 141, 2630-2635	16.4	13
541	Stable Activated Furan and Donor–Acceptor Stenhouse Adduct Polymer Conjugates as Chemical and Thermal Sensors. *Macromolecules*, **2019**, 52, 4370-4375	5.5	29
540	Stability of the A15 phase in diblock copolymer melts. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13194-13199	11.5	72
539	Rapid and Selective Deposition of Patterned Thin Films on Heterogeneous Substrates via Spin Coating. *ACS Applied Materials & Interfaces*, **2019**, 11, 21177-21183	9.5	16
538	Low-Temperature, Rapid Copolymerization of Acrylic Acid and Sodium Acrylate in Water. *Journal of Polymer Science Part A*, **2019**, 57, 1414-1419	2.5	2
537	Aqueous reverse iodine transfer polymerization of acrylic acid. *Journal of Polymer Science Part A*, **2019**, 57, 1877-1881	2.5	3
536	Effect of Alkyl Side Chains on Intercrystallite Ordering in Semiconducting Polymers. *Macromolecules*, **2019**, 52, 2853-2862	5.5	13
535	Assessment of Targeted Nanoparticle Assemblies for Atherosclerosis Imaging with Positron Emission Tomography and Potential for Clinical Translation. *ACS Applied Materials & Interfaces*, **2019**, 11, 15316-15321	9.5	13
534	Metal-Free Synthesis of Poly(silyl ether)s under Ambient Conditions. *Macromolecules*, **2019**, 52, 1993-1999	5.5	10
533	Norbornadienes: Robust and Scalable Building Blocks for Cascade "Click" Coupling of High Molecular Weight Polymers. *Journal of the American Chemical Society*, **2019**, 141, 13619-13624	16.4	24
532	Placing Functionality Where You Want: The Allure of Sequence Control. *CheM*, **2019**, 5, 2510-2512	16.2	2
531	Tuning Merocyanine Photoacid Structure to Enhance Solubility and Temporal Control: Application in Ring Opening Polymerization. *ChemPhotoChem*, **2019**, 3, 467-472	3.3	19

530	Triple Function Lubricant Additives Based on Organic-Inorganic Hybrid Star Polymers: Friction Reduction, Wear Protection, and Viscosity Modification. *ACS Applied Materials & Interfaces*, **2019**, 11, 1363-1375	9.5	17
529	Minimizing Star□Star Coupling in Cu(0)-Mediated Controlled Radical Polymerizations. *Macromolecules*, **2019**, 52, 601-609	5.5	7
528	What happens in the dark? Assessing the temporal control of photo-mediated controlled radical polymerizations. *Journal of Polymer Science Part A*, **2019**, 57, 268-273	2.5	61
527	Scalable synthesis of an architectural library of well-defined poly(acrylic acid) derivatives: Role of structure on dispersant performance. *Journal of Polymer Science Part A*, **2019**, 57, 716-725	2.5	12
526	Development of Shape-Tuned, Monodisperse Block Copolymer Particles through Solvent-Mediated Particle Restructuring. *Chemistry of Materials*, **2019**, 31, 1066-1074	9.6	31
525	Shape-based separation of synthetic microparticles. *Nature Materials*, **2019**, 18, 82-89	27	18
524	Photomediated Controlled Polymerizations **2018**, 363-387		3
523	Robust Processing of Small-Molecule:Fullerene Organic Solar Cells via Use of Nucleating Agents. *ACS Applied Energy Materials*, **2018**, 1, 1973-1980	6.1	2
522	Endo and Exo Diels-Alder Adducts: Temperature-Tunable Building Blocks for Selective Chemical Functionalization. *Journal of the American Chemical Society*, **2018**, 140, 5009-5013	16.4	45
521	PET-RAFT as a facile strategy for preparing functional lipid□polymer conjugates. *Journal of Polymer Science Part A*, **2018**, 56, 1259-1268	2.5	14
520	Controlled Formation and Binding Selectivity of Discrete Oligo(methyl methacrylate) Stereocomplexes. *Journal of the American Chemical Society*, **2018**, 140, 1945-1951	16.4	38
519	Organic electronics by design: the power of minor atomic and structural changes. *Journal of Materials Chemistry C*, **2018**, 6, 3564-3572	7.1	19
518	Control of Amphiphile Self-Assembly via Bioinspired Metal Ion Coordination. *Journal of the American Chemical Society*, **2018**, 140, 1409-1414	16.4	50
517	Overcoming Surfactant-Induced Morphology Instability of Noncrosslinked Diblock Copolymer Nano-Objects Obtained by RAFT Emulsion Polymerization. *ACS Macro Letters*, **2018**, 7, 159-165	6.6	35
516	Tuning conformation and properties of peptidomimetic backbones through dual N/C-substitution. *Chemical Communications*, **2018**, 54, 5237-5240	5.8	10
515	Effects of Side-Chain Topology on Aggregation of Conjugated Polymers. *Macromolecules*, **2018**, 51, 2580-2590	5.5	15
514	Solution Mask Liquid Lithography (SMaLL) for One-Step, Multimaterial 3D Printing. *Advanced Materials*, **2018**, 30, e1800364	24	95
513	Controlling Dark Equilibria and Enhancing Donor-Acceptor Stenhouse Adduct Photoswitching Properties through Carbon Acid Design. *Journal of the American Chemical Society*, **2018**, 140, 10425-10429	16.4	76

512	Elucidating the Impact of Molecular Structure on the 19F NMR Dynamics and MRI Performance of Fluorinated Oligomers. *ACS Macro Letters*, **2018**, 7, 921-926	6.6	25
511	Tuning of protease resistance in oligopeptides through N-alkylation. *Chemical Communications*, **2018**, 54, 9631-9634	5.8	6
510	Simultaneous Preparation of Multiple Polymer Brushes under Ambient Conditions using Microliter Volumes. *Angewandte Chemie*, **2018**, 130, 13621-13626	3.6	11
509	Solvent-Free Synthesis of High-Performance Polyhexahydrotriazine (PHT) Thermosets. *Chemistry of Materials*, **2018**, 30, 8352-8358	9.6	13
508	Evolution and Future Directions of Metal-Free Atom Transfer Radical Polymerization. *Macromolecules*, **2018**, 51, 7421-7434	5.5	133
507	Simultaneous Preparation of Multiple Polymer Brushes under Ambient Conditions using Microliter Volumes. *Angewandte Chemie - International Edition*, **2018**, 57, 13433-13438	16.4	50
506	Discrete and Stereospecific Oligomers Prepared by Sequential and Alternating Single Unit Monomer Insertion. *Journal of the American Chemical Society*, **2018**, 140, 13392-13406	16.4	78
505	Macrocyclic Side-Chain Monomers for Photoinduced ATRP: Synthesis and Properties versus Long-Chain Linear Isomers. *Macromolecules*, **2018**, 51, 6901-6910	5.5	13
504	Modular synthesis of asymmetric rylene derivatives. *Journal of Materials Chemistry C*, **2017**, 5, 1052-1056	7.1	4
503	Dual-pathway chain-end modification of RAFT polymers using visible light and metal-free conditions. *Chemical Communications*, **2017**, 53, 1888-1891	5.8	34
502	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. *Nature Chemistry*, **2017**, 9, 537-545	17.6	273
501	A Versatile and Highly Selective Colorimetric Sensor for the Detection of Amines. *Chemistry - A European Journal*, **2017**, 23, 3562-3566	4.8	71
500	A Versatile Approach for In Situ Monitoring of Photoswitches and Photopolymerizations. *ChemPhotoChem*, **2017**, 1, 125-131	3.3	32
499	Structural Versatility in Slide-Ring Gels: Influence of Co-Threaded Cyclodextrin Spacers. *Journal of Polymer Science Part A*, **2017**, 55, 1156-1165	2.5	23
498	Highly Photoluminescent Nonconjugated Polymers for Single-Layer Light Emitting Diodes. *ACS Photonics*, **2017**, 4, 631-641	6.3	18
497	Direct Access to Functional (Meth)acrylate Copolymers through Transesterification with Lithium Alkoxides. *Journal of Polymer Science Part A*, **2017**, 55, 1566-1574	2.5	13
496	Therapeutic Nanocarriers via Cholesterol Directed Self-Assembly of Well-Defined Linear-Dendritic Polymeric Amphiphiles. *Chemistry of Materials*, **2017**, 29, 3891-3898	9.6	25
495	Light-Mediated Atom Transfer Radical Polymerization of Semi-Fluorinated (Meth)acrylates: Facile Access to Functional Materials. *Journal of the American Chemical Society*, **2017**, 139, 5939-5945	16.4	88

494	Controlled radical polymerization of vinyl ketones using visible light. *Polymer Chemistry*, **2017**, 8, 3351-3356	4.9	37
493	Controlled co-solvent vapor annealing and the importance of quenching conditions in thin-film block copolymer self-assembly. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1125-1130	2.6	6
492	End group modification of poly(acrylates) obtained via ATRP: a user guide. *Polymer Chemistry*, **2017**, 8, 689-697	4.9	46
491	A di-tert-butyl acrylate monomer for controlled radical photopolymerization. *Journal of Polymer Science Part A*, **2017**, 55, 801-807	2.5	7
490	Practical Chain-End Reduction of Polymers Obtained with ATRP. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700107	2.6	10
489	Visible Light-Responsive DASA-Polymer Conjugates. *ACS Macro Letters*, **2017**, 6, 738-742	6.6	44
488	Novel Strategy for Photopatterning Emissive Polymer Brushes for Organic Light Emitting Diode Applications. *ACS Central Science*, **2017**, 3, 654-661	16.8	47
487	Effects of Tailored Dispersity on the Self-Assembly of Dimethylsiloxane–Methyl Methacrylate Block Co-Oligomers. *ACS Macro Letters*, **2017**, 6, 668-673	6.6	61
486	Synthesis of a versatile pentacyclic building block for organic electronics. *Journal of Polymer Science Part A*, **2017**, 55, 2618-2628	2.5	1
485	Dual-Gated Supramolecular Star Polymers in Aqueous Solution. *Macromolecules*, **2017**, 50, 2375-2386	5.5	25
484	Established and emerging strategies for polymer chain-end modification. *Journal of Polymer Science Part A*, **2017**, 55, 2903-2914	2.5	62
483	Synthesis of Discrete Oligomers by Sequential PET-RAFT Single-Unit Monomer Insertion. *Angewandte Chemie - International Edition*, **2017**, 56, 8376-8383	16.4	127
482	Universal Conditions for the Controlled Polymerization of Acrylates, Methacrylates, and Styrene via Cu(0)-RDRP. *Journal of the American Chemical Society*, **2017**, 139, 1003-1010	16.4	72
481	Synthesis of Discrete Oligomers by Sequential PET-RAFT Single-Unit Monomer Insertion. *Angewandte Chemie*, **2017**, 129, 8496-8503	3.6	27
480	One-Pot Synthesis of ABCDE Multiblock Copolymers with Hydrophobic, Hydrophilic, and Semi-Fluorinated Segments. *Angewandte Chemie - International Edition*, **2017**, 56, 14483-14487	16.4	80
479	High Sulfur Content Material with Stable Cycling in Lithium-Sulfur Batteries. *Angewandte Chemie*, **2017**, 129, 15314-15318	3.6	12
478	High Sulfur Content Material with Stable Cycling in Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2017**, 56, 15118-15122	16.4	39
477	One-Pot Synthesis of ABCDE Multiblock Copolymers with Hydrophobic, Hydrophilic, and Semi-Fluorinated Segments. *Angewandte Chemie*, **2017**, 129, 14675-14679	3.6	14

476	Rapid Visible Light-Mediated Controlled Aqueous Polymerization with In Situ Monitoring. *ACS Macro Letters*, **2017**, 6, 1109-1113	6.6	50
475	A Versatile and Efficient Strategy to Discrete Conjugated Oligomers. *Journal of the American Chemical Society*, **2017**, 139, 13735-13739	16.4	59
474	Frontispiece: Synthesis of Discrete Oligomers by Sequential PET-RAFT Single-Unit Monomer Insertion. *Angewandte Chemie - International Edition*, **2017**, 56,	16.4	1
473	Shape-Tunable Biphasic Janus Particles as pH-Responsive Switchable Surfactants. *Macromolecules*, **2017**, 50, 9276-9285	5.5	57
472	High Conductivity in a Nonplanar n-Doped Ambipolar Semiconducting Polymer. *Chemistry of Materials*, **2017**, 29, 9742-9750	9.6	35
471	Desulfurization-bromination: direct chain-end modification of RAFT polymers. *Polymer Chemistry*, **2017**, 8, 7188-7194	4.9	11
470	RAFT-mediated, visible light-initiated single unit monomer insertion and its application in the synthesis of sequence-defined polymers. *Polymer Chemistry*, **2017**, 8, 4637-4643	4.9	56
469	Highly stable Au nanoparticles with double hydrophilic block copolymer templates: correlation between structure and stability. *Polymer Chemistry*, **2017**, 8, 4528-4537	4.9	18
468	Engineering Surfaces through Sequential Stop-Flow Photopatterning. *Advanced Materials*, **2016**, 28, 9292-9300	21	62
467	Design and Modular Construction of a Polymeric Nanoparticle for Targeted Atherosclerosis Positron Emission Tomography Imaging: A Story of 25% (64)Cu-CANF-Comb. *Pharmaceutical Research*, **2016**, 33, 2400-10	4.5	16
466	Metal-Free Removal of Polymer Chain Ends Using Light. *Macromolecules*, **2016**, 49, 8162-8166	5.5	32
465	Role of Solution Structure in Self-Assembly of Conjugated Block Copolymer Thin Films. *Macromolecules*, **2016**, 49, 8187-8197	5.5	14
464	In Vitro Selection of pH-Activated DNA Nanostructures. *Angewandte Chemie*, **2016**, 128, 15484-15488	3.6	6
463	In Vitro Selection of pH-Activated DNA Nanostructures. *Angewandte Chemie - International Edition*, **2016**, 55, 15258-15262	16.4	17
462	Hierarchical comb brush architectures via sequential light-mediated controlled radical polymerizations. *Journal of Polymer Science Part A*, **2016**, 54, 2276-2284	2.5	20
461	Significance of miscibility in multidonor bulk heterojunction solar cells. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 237-246	2.6	16
460	Chemoselective Radical Dehalogenation and C-C Bond Formation on Aryl Halide Substrates Using Organic Photoredox Catalysts. *Journal of Organic Chemistry*, **2016**, 81, 7155-60	4.2	85
459	Order-disorder transition in thin films of horizontally-oriented cylinder-forming block copolymers: thermal fluctuations vs. preferential wetting. *Soft Matter*, **2016**, 12, 5915-25	3.6	4

458	Non-Covalent Microgel Particles Containing Functional Payloads: Coacervation of PEG-Based Triblocks via Microfluidics. *ACS Applied Materials & Interfaces*, **2016**, 8, 16914-21	9.5	21
457	Simple Benchtop Approach to Polymer Brush Nanostructures Using Visible-Light-Mediated Metal-Free Atom Transfer Radical Polymerization. *ACS Macro Letters*, **2016**, 5, 258-262	6.6	165
456	PET/CT Imaging of Chemokine Receptors in Inflammatory Atherosclerosis Using Targeted Nanoparticles. *Journal of Nuclear Medicine*, **2016**, 57, 1124-9	8.9	38
455	Branched Block Copolymers for Tuning of Morphology and Feature Size in Thin Film Nanolithography. *Macromolecules*, **2016**, 49, 2318-2326	5.5	38
454	Tethered tertiary amines as solid-state n-type dopants for solution-processable organic semiconductors. *Chemical Science*, **2016**, 7, 1914-1919	9.4	71
453	Mussel-Inspired Anchoring of Polymer Loops That Provide Superior Surface Lubrication and Antifouling Properties. *ACS Nano*, **2016**, 10, 930-7	16.7	100
452	Triazine-mediated controlled radical polymerization: new unimolecular initiators. *Polymer Chemistry* , **2016**, 7, 370-374	4.9	30
451	Improved self-assembly of poly(dimethylsiloxane-b-ethylene oxide) using a hydrogen-bonding additive. *Journal of Polymer Science Part A*, **2016**, 54, 2200-2208	2.5	13
450	Ambiguous anti-fouling surfaces: Facile synthesis by light-mediated radical polymerization. *Journal of Polymer Science Part A*, **2016**, 54, 253-262	2.5	44
449	Preparation of non-spherical particles from amphiphilic block copolymers. *Journal of Polymer Science Part A*, **2016**, 54, 750-757	2.5	21
448	One-pot fabrication of robust interpenetrating hydrogels via orthogonal click reactions. *Journal of Polymer Science Part A*, **2016**, 54, 1459-1467	2.5	17
447	Twisted olefinic building blocks for low bandgap polymers in solar cells and ambipolar field-effect transistors. *Journal of Polymer Science Part A*, **2016**, 54, 889-899	2.5	6
446	pH-Tunable Thermoresponsive PEO-Based Functional Polymers with Pendant Amine Groups. *ACS Macro Letters*, **2016**, 5, 1391-1396	6.6	36
445	Fully Aromatic High Performance Thermoset via Sydnone-Alkyne Cycloaddition. *Journal of the American Chemical Society*, **2016**, 138, 6400-3	16.4	44
444	A Versatile and Scalable Strategy to Discrete Oligomers. *Journal of the American Chemical Society*, **2016**, 138, 6306-10	16.4	84
443	Particles with Tunable Porosity and Morphology by Controlling Interfacial Instability in Block Copolymer Emulsions. *ACS Nano*, **2016**, 10, 5243-51	16.7	72
442	Tunable Visible and Near Infrared Photoswitches. *Journal of the American Chemical Society*, **2016**, 138, 13960-13966	16.4	151
441	Controlled drug release to cancer cells from modular one-photon visible light-responsive micellar system. *Chemical Communications*, **2016**, 52, 10525-8	5.8	92

440	A highly reducing metal-free photoredox catalyst: design and application in radical dehalogenations. *Chemical Communications*, **2015**, 51, 11705-8	5.8	184
439	Synthetic Strategy for Preparing Chiral Double-semicrystalline Polyether Block Copolymers. *Polymer Chemistry*, **2015**, 6, 1465-1473	4.9	18
438	Metallopolymer-Based Shape Anisotropic Nanoparticles. *ACS Macro Letters*, **2015**, 4, 731-735	6.6	64
437	A robust platform for functional microgels via thiol-ene achemistry with reactive polyether-based nanoparticles. *Polymer Chemistry*, **2015**, 6, 2029-2037	4.9	19
436	A synthetic strategy for the preparation of sub-100 nm functional polymer particles of uniform diameter. *Polymer Chemistry*, **2015**, 6, 1431-1435	4.9	9
435	Multifunctional biocompatible graphene oxide quantum dots decorated magnetic nanoplatform for efficient capture and two-photon imaging of rare tumor cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 10935-43	9.5	76
434	One-Pot Click Fabrication of Slide-Ring Gels. *Macromolecules*, **2015**, 48, 7774-7781	5.5	60
433	Catechol-based layer-by-layer assembly of composite coatings: a versatile platform to hierarchical nano-materials. *Soft Matter*, **2015**, 11, 6173-8	3.6	18
432	Rate-Dependent Stiffness and Recovery in Interpenetrating Network Hydrogels through Sacrificial Metal Coordination Bonds. *ACS Macro Letters*, **2015**, 4, 1200-1204	6.6	44
431	Enhanced Block Copolymer Phase Separation Using Click Chemistry and Ionic Junctions. *ACS Macro Letters*, **2015**, 4, 1332-1336	6.6	34
430	Phase behavior of electrostatically complexed polyelectrolyte gels using an embedded fluctuation model. *Soft Matter*, **2015**, 11, 1214-25	3.6	47
429	Revisiting thiol-yne chemistry: Selective and efficient monoaddition for block and graft copolymer formation. *Journal of Polymer Science Part A*, **2015**, 53, 319-326	2.5	15
428	Suppressing crystallization in solution-processed thin films of organic semiconductors. *MRS Communications*, **2015**, 5, 447-452	2.7	4
427	Highly Ordered Nanoporous Films from Supramolecular Diblock Copolymers with Hydrogen-Bonding Junctions. *Angewandte Chemie*, **2015**, 127, 11269-11273	3.6	0
426	Highly ordered nanoporous films from supramolecular diblock copolymers with hydrogen-bonding junctions. *Angewandte Chemie - International Edition*, **2015**, 54, 11117-21	16.4	34
425	A facile synthesis of catechol-functionalized poly(ethylene oxide) block and random copolymers. *Journal of Polymer Science Part A*, **2015**, 53, 2685-2692	2.5	12
424	Continuous flow synthesis of poly(methyl methacrylate) via a light-mediated controlled radical polymerization. *Journal of Polymer Science Part A*, **2015**, 53, 2693-2698	2.5	69
423	Poly(dimethylsiloxane-b-methyl methacrylate): A Promising Candidate for Sub-10 nm Patterning. *Macromolecules*, **2015**, 48, 3422-3430	5.5	102

422	A General Approach to Sequence-Controlled Polymers Using Macrocyclic Ring Opening Metathesis Polymerization. *Journal of the American Chemical Society*, **2015**, 137, 8038-41	16.4	189
421	Producing Small Domain Features Using Miktoarm Block Copolymers with Large Interaction Parameters. *ACS Macro Letters*, **2015**, 4, 1287-1292	6.6	41
420	Exploring the synthesis and impact of end-functional poly(3-hexylthiophene). *Journal of Polymer Science Part A*, **2015**, 53, 831-841	2.5	39
419	Histamine-functionalized copolymer micelles as a drug delivery system in 2D and 3D models of breast cancer. *Journal of Materials Chemistry B*, **2015**, 3, 2472-2486	7.3	20
418	Adhesion and Surface Interactions of a Self-Healing Polymer with Multiple Hydrogen-Bonding Groups. *Advanced Functional Materials*, **2014**, 24, 2322-2333	15.6	153
417	Twisted but conjugated: building blocks for low bandgap polymers. *Angewandte Chemie - International Edition*, **2014**, 53, 3996-4000	16.4	41
416	Photoswitching using visible light: a new class of organic photochromic molecules. *Journal of the American Chemical Society*, **2014**, 136, 8169-72	16.4	288
415	Advanced Techniques for the Characterization of Surface Structure in Polymer Thin Films and Coatings. *Arabian Journal for Science and Engineering*, **2014**, 39, 1-13		7
414	Design and synthesis of donor-acceptor Stenhouse adducts: a visible light photoswitch derived from furfural. *Journal of Organic Chemistry*, **2014**, 79, 11316-29	4.2	142
413	Small angle neutron scattering study of complex coacervate micelles and hydrogels formed from ionic diblock and triblock copolymers. *Journal of Physical Chemistry B*, **2014**, 118, 13011-8	3.4	48
412	High refractive index polyvinylsulfide materials prepared by selective radical mono-addition thiol-yne chemistry. *Polymer Chemistry*, **2014**, 5, 2911-2921	4.9	48
411	Fluidity and water in nanoscale domains define coacervate hydrogels. *Chemical Science*, **2014**, 5, 58-67	9.4	40
410	Conjugated oligomers incorporating azulene building blocks: seven- vs. five-membered ring connectivity. *Chemical Science*, **2014**, 5, 4483-4489	9.4	61
409	Modulating structure and properties in organic chromophores: influence of azulene as a building block. *Chemical Science*, **2014**, 5, 3753-3760	9.4	59
408	Metal-free atom transfer radical polymerization. *Journal of the American Chemical Society*, **2014**, 136, 16096-101	16.4	637
407	PET/CT imaging of chemokine receptor CCR5 in vascular injury model using targeted nanoparticle. *Journal of Nuclear Medicine*, **2014**, 55, 629-34	8.9	54
406	Nitrosocarbonyl Hetero-Diels-Alder Cycloaddition: A New Tool for Conjugation.. *ACS Macro Letters*, **2014**, 3, 753-757	6.6	29
405	Molecular Interactions and Ordering in Electrically Doped Polymers: Blends of PBTTT and F4TCNQ. *Macromolecules*, **2014**, 47, 6836-6846	5.5	138

404	A Facile Synthesis of Dynamic, Shape-Changing Polymer Particles. *Angewandte Chemie*, **2014**, 126, 7138-7142	3.6	18
403	Strain-Induced Strengthening of the Weakest Link: The Importance of Intermediate Geometry for the Outcome of Mechanochemical Reactions. *Macromolecules*, **2014**, 47, 1187-1192	5.5	37
402	Power factor enhancement in solution-processed organic n-type thermoelectrics through molecular design. *Advanced Materials*, **2014**, 26, 3473-7	24	169
401	Controlled Radical Polymerization of Acrylates Regulated by Visible Light.. *ACS Macro Letters*, **2014**, 3, 580-584	6.6	218
400	One-step synthesis of unsymmetrical N-alkyl-N'-aryl perylene diimides. *Journal of Organic Chemistry* , **2014**, 79, 6360-5	4.2	22
399	Solubility-limited extrinsic n-type doping of a high electron mobility polymer for thermoelectric applications. *Advanced Materials*, **2014**, 26, 2825-30	24	281
398	Twisted but Conjugated: Building Blocks for Low Bandgap Polymers. *Angewandte Chemie*, **2014**, 126, 4077-4081	3.6	6
397	Modulating the Properties of Azulene-Containing Polymers through Controlled Incorporation of Regioisomers. *Advanced Functional Materials*, **2014**, 24, 7338-7347	15.6	49
396	Structural Evolution of Polyelectrolyte Complex Core Micelles and Ordered-Phase Bulk Materials. *Macromolecules*, **2014**, 47, 8026-8032	5.5	34
395	Titelbild: A Facile Synthesis of Dynamic, Shape-Changing Polymer Particles (Angew. Chem. 27/2014). *Angewandte Chemie*, **2014**, 126, 6947-6947	3.6	
394	Synthetic aptamer-polymer hybrid constructs for programmed drug delivery into specific target cells. *Journal of the American Chemical Society*, **2014**, 136, 15010-5	16.4	98
393	A facile synthesis of dynamic, shape-changing polymer particles. *Angewandte Chemie - International Edition*, **2014**, 53, 7018-22	16.4	162
392	Physiologically relevant, pH-responsive PEG-based block and statistical copolymers with -diisopropylamine units. *Polymer Chemistry*, **2013**, 4, 5735-5742	4.9	31
391	A One-Step Strategy for End-Functionalized Donor–Acceptor Conjugated Polymers. *Macromolecules*, **2013**, 46, 6431-6438	5.5	39
390	Well-Organized Dense Arrays of Nanodomains in Thin Films of Poly(dimethylsiloxane)-b-poly(lactide) Diblock Copolymers. *Macromolecules*, **2013**, 46, 8289-8295	5.5	45
389	Linear versus dendritic molecular binders for hydrogel network formation with clay nanosheets: studies with ABA triblock copolyethers carrying guanidinium ion pendants. *Journal of the American Chemical Society*, **2013**, 135, 15650-5	16.4	134
388	Nanostructured Supramolecular Block Copolymers Based on Polydimethylsiloxane and Polylactide.. *ACS Macro Letters*, **2013**, 2, 1006-1010	6.6	53
387	Versatile tuning of supramolecular hydrogels through metal complexation of oxidation-resistant catechol-inspired ligands. *Soft Matter*, **2013**, 9,	3.6	124

386	Allyl Glycidyl Ether-Based Polymer Electrolytes for Room Temperature Lithium Batteries. *Macromolecules*, **2013**, 46, 8988-8994	5.5	118
385	Radical thiol-yne chemistry on diphenylacetylene: selective and quantitative addition enabling the synthesis of hyperbranched poly(vinyl sulfide)s. *Macromolecular Rapid Communications*, **2013**, 34, 1772-8	4.8	37
384	25th anniversary article: no assembly required: recent advances in fully conjugated block copolymers. *Advanced Materials*, **2013**, 25, 5686-700	24	68
383	Supramolecular guests in solvent driven block copolymer assembly: From internally structured nanoparticles to micelles. *Polymer Chemistry*, **2013**, 4, 5038-5042	4.9	37
382	pH-triggered self-assembly of biocompatible histamine-functionalized triblock copolymers. *Soft Matter*, **2013**, 9, 82-89	3.6	49
381	Externe Regulation kontrollierter Polymerisationen. *Angewandte Chemie*, **2013**, 125, 210-222	3.6	77
380	External regulation of controlled polymerizations. *Angewandte Chemie - International Edition*, **2013**, 52, 199-210	16.4	347
379	Efficient Surface Neutralization and Enhanced Substrate Adhesion through Ketene Mediated Crosslinking and Functionalization. *Advanced Functional Materials*, **2013**, 23, 1597-1602	15.6	29
378	Striped, ellipsoidal particles by controlled assembly of diblock copolymers. *Journal of the American Chemical Society*, **2013**, 135, 6649-57	16.4	180
377	Microstructure formation in molecular and polymer semiconductors assisted by nucleation agents. *Nature Materials*, **2013**, 12, 628-33	27	118
376	Nanoparticle PET/CT imaging of natriuretic peptide clearance receptor in prostate cancer. *Bioconjugate Chemistry*, **2013**, 24, 196-204	6.3	38
375	Fabrication of complex three-dimensional polymer brush nanostructures through light-mediated living radical polymerization. *Angewandte Chemie - International Edition*, **2013**, 52, 6844-8	16.4	203
374	Temperature Dependence of the Diffusion Coefficient of PCBM in Poly(3-hexylthiophene). *Macromolecules*, **2013**, 46, 1002-1007	5.5	55
373	Fabrication of unique chemical patterns and concentration gradients with visible light. *Journal of the American Chemical Society*, **2013**, 135, 14106-9	16.4	96
372	Effects of Polymer and Salt Concentration on the Structure and Properties of Triblock Copolymer Coacervate Hydrogels. *Macromolecules*, **2013**, 46, 1512-1518	5.5	97
371	Synthesis, solid-state, and charge-transport properties of conjugated polythiophene-S,S-dioxides. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 48-56	2.6	22
370	A renaissance of color: New structures and building blocks for organic electronics. *Journal of Polymer Science Part A*, **2013**, 51, 1263-1271	2.5	102
369	The emerging utility of ketenes in polymer chemistry. *Journal of Polymer Science Part A*, **2013**, 51, 3769-3782	2.5	34

368	Fabrication of Complex Three-Dimensional Polymer Brush Nanostructures through Light-Mediated Living Radical Polymerization. *Angewandte Chemie*, **2013**, 125, 6982-6986	3.6	62
367	Strongly Phase-Segregating Block Copolymers with Sub-20 nm Features. *ACS Macro Letters*, **2013**, 2, 677-682	6.6	23
366	Enhanced bioactivity of internally functionalized cationic dendrimers with PEG cores. *Biomacromolecules*, **2012**, 13, 4089-97	6.9	50
365	Click Chemistry in Polymer Science: CuAAC and Thiol Ene Coupling for the Synthesis and Functionalization of Macromolecules **2012**, 923-972		2
364	Ketene-Based Route to rigid Cyclobutanediol Monomers for the Replacement of BPA in High Performance Polyesters. *ACS Macro Letters*, **2012**, 1, 1228-1232	6.6	27
363	Lamellar microdomain orientation and phase transition of polystyrene-b-poly(methyl methacrylate) films by controlled interfacial interactions. *Soft Matter*, **2012**, 8, 3463	3.6	25
362	A facile synthesis of clickable and acid-cleavable PEO for acid-degradable block copolymers. *Polymer Chemistry*, **2012**, 3, 1890-1898	4.9	68
361	Supramolecular mimics of phase separating covalent diblock copolymers. *Polymer Chemistry*, **2012**, 3, 2050	4.9	28
360	Morphology Evolution of PS-b-P2VP Diblock Copolymers via Supramolecular Assembly of Hydroxylated Gold Nanoparticles. *Macromolecules*, **2012**, 45, 1553-1561	5.5	84
359	Reactivity ratios, and mechanistic insight for anionic ring-opening copolymerization of epoxides. *Macromolecules*, **2012**, 45, 3722-3731	5.5	43
358	Innenrücktitelbild: Control of a Living Radical Polymerization of Methacrylates by Light (Angew. Chem. 35/2012). *Angewandte Chemie*, **2012**, 124, 9031-9031	3.6	2
357	Functional block copolymer nanoparticles: toward the next generation of delivery vehicles. *Polymer Chemistry*, **2012**, 3, 1618-1628	4.9	51
356	Improved performance of protected catecholic polysiloxanes for bioinspired wet adhesion to surface oxides. *Journal of the American Chemical Society*, **2012**, 134, 20139-45	16.4	91
355	Cyclic block copolymers for controlling feature sizes in block copolymer lithography. *ACS Nano*, **2012**, 6, 10845-54	16.7	132
354	Phase separation of supramolecular and dynamic block copolymers. *Polymer Chemistry*, **2012**, 3, 3033	4.9	65
353	A modular strategy for fully conjugated donor-acceptor block copolymers. *Journal of the American Chemical Society*, **2012**, 134, 16040-6	16.4	113
352	Mesostructured Block Copolymer Nanoparticles: Versatile Templates for Hybrid Inorganic/Organic Nanostructures. *Chemistry of Materials*, **2012**, 24, 4036-4042	9.6	42
351	Polymer-fullerene miscibility: a metric for screening new materials for high-performance organic solar cells. *Journal of the American Chemical Society*, **2012**, 134, 15869-79	16.4	183

350	In situ current voltage measurements for optimization of a novel fullerene acceptor in bulk heterojunction photovoltaics. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 174-179	2.6	3
349	Azulene-based conjugated polymers: unique seven-membered ring connectivity leading to stimuli-responsiveness. *Chemical Science*, **2012**, 3, 2721	9.4	67
348	Control of a Living Radical Polymerization of Methacrylates by Light. *Angewandte Chemie*, **2012**, 124, 8980-8983	3.6	95
347	Control of a living radical polymerization of methacrylates by light. *Angewandte Chemie - International Edition*, **2012**, 51, 8850-3	16.4	622
346	Low-temperature ketene formation in materials chemistry through molecular engineering. *Chemical Science*, **2012**, 3, 766-771	9.4	27
345	Biodegradable, multi-layered coatings for controlled release of small molecules. *Chemical Communications*, **2012**, 48, 4833-5	5.8	7
344	Crystallization and Melting Behavior of Monodisperse Oligomers of ?-Caprolactone. *Journal of Macromolecular Science - Physics*, **2012**, 51, 2075-2092	1.4	3
343	A general approach to controlling the surface composition of poly(ethylene oxide)-based block copolymers for antifouling coatings. *Langmuir*, **2011**, 27, 13762-72	4	102
342	Bicontinuous Block Copolymer Morphologies Produced by Interfacially Active, Thermally Stable Nanoparticles. *Macromolecules*, **2011**, 44, 9366-9373	5.5	42
341	Reactive, multifunctional polymer films through thermal cross-linking of orthogonal click groups. *Journal of the American Chemical Society*, **2011**, 133, 16698-706	16.4	108
340	Controlled supramolecular assembly of micelle-like gold nanoparticles in PS-b-P2VP diblock copolymers via hydrogen bonding. *Journal of the American Chemical Society*, **2011**, 133, 16986-96	16.4	125
339	De novo design of bioactive protein-resembling nanospheres via dendrimer-templated peptide amphiphile assembly. *Nano Letters*, **2011**, 11, 3946-50	11.5	45
338	Chemistry. Mechanically throwing a reaction into reverse. *Science*, **2011**, 333, 1582-3	33.3	8
337	An energy efficient and facile synthesis of high molecular weight polyesters using ketenes. *Chemical Communications*, **2011**, 47, 10572-4	5.8	20
336	Rapid Synthesis of Block and Cyclic Copolymers via Click Chemistry in the Presence of Copper Nanoparticles. *Journal of Polymer Science Part A*, **2011**, 49, 814-819	2.5	53
335	Synthesis and characterization of soluble low-bandgap oligothiophene-[all]-S,S-dioxides-based conjugated oligomers and polymers. *Journal of Polymer Science Part A*, **2011**, 49, 1933-1941	2.5	37
334	Spacer-length-dependent association in polymers with multiple-hydrogen-bonded end groups. *Journal of Polymer Science Part A*, **2011**, 49, 4253-4260	2.5	28
333	Exhaustive glycosylation, PEGylation, and glutathionylation of a [G4]-ene(48) dendrimer via photoinduced thiol-ene coupling. *Journal of Polymer Science Part A*, **2011**, 49, 4468-4475	2.5	48

332	Poly(allyl glycidyl ether)-A versatile and functional polyether platform. *Journal of Polymer Science Part A*, **2011**, 49, 4498-4504	2.5	93
331	Precise synthesis of molecularly defined oligomers and polymers by orthogonal iterative divergent/convergent approaches. *Macromolecular Rapid Communications*, **2011**, 32, 147-68	4.8	80
330	Synthesis of multifunctional micrometer-sized particles with magnetic, amphiphilic, and anisotropic properties. *Advanced Materials*, **2011**, 23, 2348-52	24	52
329	Tunable, high modulus hydrogels driven by ionic coacervation. *Advanced Materials*, **2011**, 23, 2327-31	24	281
328	Solution-processed nanostructured benzoporphyrin with polycarbonate binder for photovoltaics. *Advanced Materials*, **2011**, 23, 2289-93	24	35
327	Modular Hydrogels: Tunable, High Modulus Hydrogels Driven by Ionic Coacervation (Adv. Mater. 20/2011). *Advanced Materials*, **2011**, 23, 2326-2326	24	1
326	Interdiffusion of PCBM and P3HT Reveals Miscibility in a Photovoltaically Active Blend. *Advanced Energy Materials*, **2011**, 1, 82-89	21.8	546
325	Klickreaktionen von Polymeren oder einfach nur effizientes Verknüpfen: Wo liegt der Unterschied?. *Angewandte Chemie*, **2011**, 123, 61-64	3.6	59
324	Multifunctional Trackable Dendritic Scaffolds and Delivery Agents. *Angewandte Chemie*, **2011**, 123, 3487-3491	3.6	3
323	"Clicking" polymers or just efficient linking: what is the difference?. *Angewandte Chemie - International Edition*, **2011**, 50, 60-2	16.4	550
322	Multifunctional trackable dendritic scaffolds and delivery agents. *Angewandte Chemie - International Edition*, **2011**, 50, 3425-9	16.4	75
321	1,4-Fullerene derivatives: tuning the properties of the electron transporting layer in bulk-heterojunction solar cells. *Angewandte Chemie - International Edition*, **2011**, 50, 5166-9	16.4	93
320	A facile route to patterned epitaxial ZnO nanostructures by soft lithography. *Journal of Materials Chemistry*, **2011**, 21, 14417		17
319	Synthesis of thermally stable Au-core/Pt-shell nanoparticles and their segregation behavior in diblock copolymer mixtures. *Soft Matter*, **2011**, 7, 6255	3.6	45
318	Triggered structural and property changes in polymeric nanomaterials. *Chemical Science*, **2011**, 2, 18-26	9.4	90
317	Encoded dendrimers with defined chiral composition via'click' reaction of enantiopure building blocks. *Chemical Communications*, **2011**, 47, 9870-2	5.8	8
316	In situ measurement of power conversion efficiency and molecular ordering during thermal annealing in P3HT:PCBM bulk heterojunction solar cells. *Journal of Materials Chemistry*, **2011**, 21, 15224		77
315	Stimuli-responsive azulene-based conjugated oligomers with polyaniline-like properties. *Journal of the American Chemical Society*, **2011**, 133, 10046-9	16.4	133

314	Three-dimensional multilayered nanostructures with controlled orientation of microdomains from cross-linkable block copolymers. *ACS Nano*, **2011**, 5, 6164-73	16.7	53
313	Evaluation of multivalent, functional polymeric nanoparticles for imaging applications. *ACS Nano*, **2011**, 5, 738-47	16.7	81
312	The Janus Character of Heterogeneous Dendritic Nanoparticles. *Macromolecules*, **2011**, 44, 1046-1052	5.5	9
311	Controlling volume shrinkage in soft lithography through heat-induced cross-linking of patterned nanofibers. *Journal of the American Chemical Society*, **2011**, 133, 2840-3	16.4	39
310	Targeting angiogenesis using a C-type atrial natriuretic factor-conjugated nanoprobe and PET. *Journal of Nuclear Medicine*, **2011**, 52, 1956-63	8.9	51
309	A versatile approach to high-throughput microarrays using thiol-ene chemistry. *Nature Chemistry*, **2010**, 2, 138-45	17.6	197
308	A facile route to ketene-functionalized polymers for general materials applications. *Nature Chemistry*, **2010**, 2, 207-12	17.6	102
307	Facile Synthesis of Thermally Stable Core–Shell Gold Nanoparticles via Photo-Cross-Linkable Polymeric Ligands. *Macromolecules*, **2010**, 43, 3570-3575	5.5	65
306	High Surface Area Poly(3-hexylthiophenes) Thin Films from Cleavable Graft Copolymers. *Macromolecules*, **2010**, 43, 233-241	5.5	26
305	N-Vinyltriazoles: A New Functional Monomer Family through Click Chemistry. *Macromolecules*, **2010**, 43, 5474-5477	5.5	39
304	Pushing the Limits for Thiol–Ene and CuAAC Reactions: Synthesis of a 6th Generation Dendrimer in a Single Day. *Macromolecules*, **2010**, 43, 6625-6631	5.5	147
303	Phase Behavior of Complementary Multiply Hydrogen Bonded End-Functional Polymer Blends. *Macromolecules*, **2010**, 43, 5121-5127	5.5	77
302	Thin Film Morphology of Block Copolymer Blends with Tunable Supramolecular Interactions for Lithographic Applications. *Macromolecules*, **2010**, 43, 2880-2889	5.5	60
301	Multiple nanoscale templates by orthogonal degradation of a supramolecular block copolymer lithographic system. *ACS Nano*, **2010**, 4, 285-91	16.7	31
300	Accelerated Growth of Dendrimers via Thiol–Ene and Esterification Reactions. *Macromolecules*, **2010**, 43, 6004-6013	5.5	83
299	Facile access to internally functionalized dendrimers through efficient and orthogonal click reactions. *Chemical Communications*, **2010**, 46, 1556-8	5.8	88
298	Ketene functionalized polyethylene: control of cross-link density and material properties. *Journal of the American Chemical Society*, **2010**, 132, 14706-9	16.4	65
297	Nanostructured hybrid solar cells: dependence of the open circuit voltage on the interfacial composition. *Advanced Materials*, **2010**, 22, 4982-6	24	20

296	Transition behavior of PS-b-PMMA films on the balanced interfacial interactions. *Polymer*, **2010**, 51, 6313-6318	3.9	27
295	The power of thiol-ene chemistry. *Journal of Polymer Science Part A*, **2010**, 48, 743-750	2.5	705
294	Tailored Composite Polymer-Metal Nanoparticles by Miniemulsion Polymerization and Thiol-ene Functionalization. *Journal of Polymer Science Part A*, **2010**, 48, 1594-1606	2.5	85
293	Light extraction from GaN-based light emitting diode structures with a noninvasive two-dimensional photonic crystal. *Applied Physics Letters*, **2009**, 94, 023101	3.4	67
292	Approaches to Solution Deposited Flexible Composite Vapor Barrier Films. *Materials Research Society Symposia Proceedings*, **2009**, 1195, 227		
291	The advantages of nanoparticles for PET. *Journal of Nuclear Medicine*, **2009**, 50, 1743-6	8.9	116
290	Block copolymer nanolithography: translation of molecular level control to nanoscale patterns. *Advanced Materials*, **2009**, 21, 4769-92	24	585
289	Biomimetic lipoglycopolymer membranes: photochemical surface attachment of supramolecular architectures with defined orientation. *Angewandte Chemie - International Edition*, **2009**, 48, 6896-9	16.4	10
288	A modular approach to functionalized and expanded crown ether based macrocycles using click chemistry. *Angewandte Chemie - International Edition*, **2009**, 48, 6654-8	16.4	83
287	Nonlinear optical properties of triangular silver nanomaterials. *Chemical Physics Letters*, **2009**, 481, 94-98	2.5	49
286	A general strategy for highly efficient nanoparticle dispersing agents based on hybrid dendritic linear block copolymers. *Journal of Polymer Science Part A*, **2009**, 47, 1237-1258	2.5	52
285	Polymeric gate dielectric interlayer of cross-linkable poly(styrene-r-methylmethacrylate) copolymer for ferroelectric PVDF-TrFE field effect transistor memory. *Organic Electronics*, **2009**, 10, 849-856	3.5	35
284	New methodologies in the construction of dendritic materials. *Chemical Society Reviews*, **2009**, 38, 352-62	38.5	341
283	Tailoring Core–Shell Polymer-Coated Nanoparticles as Block Copolymer Surfactants. *Macromolecules*, **2009**, 42, 6193-6201	5.5	55
282	Applications of Photocurable PMMS Thiol–Ene Stamps in Soft Lithography. *Chemistry of Materials*, **2009**, 21, 5319-5326	9.6	74
281	Synthesis and Characterization of Isomeric Vinyl-1,2,3-triazole Materials by Azide–Alkyne Click Chemistry. *Macromolecules*, **2009**, 42, 6068-6074	5.5	71
280	Determination of the electron escape depth for NEXAFS spectroscopy. *Langmuir*, **2009**, 25, 6341-8	4	50
279	Free-standing nanocomposite multilayers with various length scales, adjustable internal structures, and functionalities. *Journal of the American Chemical Society*, **2009**, 131, 2579-87	16.4	76

278	Enzymatically triggered self-assembly of block copolymers. *Journal of the American Chemical Society*, **2009**, 131, 13949-51	16.4	144
277	Free radical polymers with tunable and selective bio- and chemical degradability. *Journal of the American Chemical Society*, **2009**, 131, 9805-12	16.4	68
276	Dendronized macromonomers for three-dimensional data storage. *Chemical Communications*, **2009**, 425-7	5.8	22
275	Modulation of protein-surface interactions on nanopatterned polymer films. *Biomacromolecules*, **2009**, 10, 1061-6	6.9	32
274	Functionalization of polymer microspheres using click chemistry. *Langmuir*, **2009**, 25, 4370-6	4	52
273	FACILE PREPARATION OF NANOPARTICLES BY INTRAMOLECULAR CROSSLINKING OF ISOCYANATE FUNCTIONALIZED COPOLYMERS. *Macromolecules*, **2009**, 42, 5629-5635	5.5	152
272	Cylindrical Microdomain Orientation of PS-b-PMMA on the Balanced Interfacial Interactions: Composition Effect of Block Copolymers. *Macromolecules*, **2009**, 42, 4902-4906	5.5	60
271	Design of crosslinked hybrid multilayer thin films from azido-functionalized polystyrenes and platinum nanoparticles. *Soft Matter*, **2009**, 5, 586-592	3.6	42
270	Applications of orthogonal "click" chemistries in the synthesis of functional soft materials. *Chemical Reviews*, **2009**, 109, 5620-86	68.1	1278
269	Model Transient Networks from Strongly Hydrogen-Bonded Polymers. *Macromolecules*, **2009**, 42, 9072-9081	5.5	233
268	A Simple Route to Multimodal Composite Nanoparticles. *Macromolecules*, **2009**, 42, 1425-1427	5.5	60
267	Microdomain Orientation of PS-b-PMMA by Controlled Interfacial Interactions. *Macromolecules*, **2008**, 41, 6431-6437	5.5	187
266	Development of Thermal and Photochemical Strategies for Thiol−Ene Click Polymer Functionalization. *Macromolecules*, **2008**, 41, 7063-7070	5.5	403
265	Molecularly defined caprolactone oligomers and polymers: synthesis and characterization. *Journal of the American Chemical Society*, **2008**, 130, 1718-26	16.4	107
264	Synthesis and characterization of core-shell star copolymers for in vivo PET imaging applications. *Biomacromolecules*, **2008**, 9, 1329-39	6.9	140
263	Patterning on nonplanar substrates: flexible honeycomb films from a range of self-assembling star copolymers. *Langmuir*, **2008**, 24, 556-62	4	78
262	Polymeric Nanoparticles via Noncovalent Cross-Linking of Linear Chains. *Macromolecules*, **2008**, 41, 6413-6418	5.5	145
261	One- and two-photon induced polymerization of methylmethacrylate using colloidal CdS semiconductor quantum dots. *Journal of the American Chemical Society*, **2008**, 130, 8280-8	16.4	50

260	Square Packing and Structural Arrangement of ABC Triblock Copolymer Spheres in Thin Films. *Macromolecules*, **2008**, 41, 4328-4339	5.5	75
259	Polymers with Multiple Hydrogen-Bonded End Groups and Their Blends. *Macromolecules*, **2008**, 41, 4694-4700	5.5	180
258	Size control and registration of nano-structured thin films by cross- units. *Soft Matter*, **2008**, 4, 475-479	3.6	31
257	Holographic Recording in Cross-Linked Polymeric Matrices through Photoacid Generation. *Chemistry of Materials*, **2008**, 20, 3669-3674	9.6	5
256	Click chemistry for photonic applications: triazole-functionalized platinum(II) acetylides for optical power limiting. *Journal of Materials Chemistry*, **2008**, 18, 166-175		58
255	Acridizinium-Substituted Dendrimers As a New Potential Rewritable Optical Data Storage Material for Blu-ray. *Chemistry of Materials*, **2008**, 20, 6715-6720	9.6	25
254	Evolution of block copolymer lithography to highly ordered square arrays. *Science*, **2008**, 322, 429-32	33.3	532
253	Preparation and characterization of glycoacrylate-based polymer-tethered lipid bilayers on benzophenone-modified substrates. *Langmuir*, **2008**, 24, 14088-98	4	18
252	Chain-end functionalized nanopatterned polymer brushes grown via in situ nitroxide free radical exchange. *ACS Nano*, **2008**, 2, 719-27	16.7	58
251	Facile syntheses of 4-vinyl-1,2,3-triazole monomers by click azide/acetylene coupling. *Journal of Polymer Science Part A*, **2008**, 46, 2897-2912	2.5	51
250	Synthesis and characterization of hyperbranched polymers with increased chemical versatility for imprint lithographic resists. *Journal of Polymer Science Part A*, **2008**, 46, 6238-6254	2.5	34
249	Molecularly defined (L)-lactic acid oligomers and polymers: Synthesis and characterization. *Journal of Polymer Science Part A*, **2008**, 46, 5977-5990	2.5	92
248	A high purity approach to poly(3-hexylthiophene) diblock copolymers. *Journal of Polymer Science Part A*, **2008**, 46, 8200-8205	2.5	31
247	Highly ordered nanoporous thin films by blending of PSt-b-PMMA block copolymers and PEO additives as structure directing agents. *Journal of Polymer Science Part A*, **2008**, 46, 8041-8048	2.5	10
246	Click Assisted One-Pot Multi-Step Reactions in Polymer Science: Accelerated Synthetic Protocols. *Macromolecular Rapid Communications*, **2008**, 29, 998-1015	4.8	127
245	Fabrication of Reversibly Crosslinkable, 3-Dimensionally Conformal Polymeric Microstructures. *Advanced Functional Materials*, **2008**, 18, 3315-3322	15.6	84
244	Dramatic Morphology Control in the Fabrication of Porous Polymer Films. *Advanced Functional Materials*, **2008**, 18, 3706-3714	15.6	85
243	Highly Versatile and Robust Materials for Soft Imprint Lithography Based on Thiol-ene Click Chemistry. *Advanced Materials*, **2008**, 20, 3728-3733	24	186

242	High-Performance, Nondiffusive Crosslinked Polymers for Holographic Data Storage. *Advanced Materials*, **2008**, 20, 3937-3941	24	14
241	Robust, efficient, and orthogonal synthesis of dendrimers via thiol-ene "click" chemistry. *Journal of the American Chemical Society*, **2008**, 130, 5062-4	16.4	692
240	Labeling of Polymer Nanostructures for Medical Imaging: Importance of crosslinking extent, spacer length, and charge density. *Macromolecules*, **2007**, 40, 2971-2973	5.5	44
239	Effects of modulus and surface chemistry of thiol-ene photopolymers in nanoimprinting. *Nano Letters*, **2007**, 7, 233-7	11.5	95
238	Self-Assembly of Uracil-PAMAM Dendrimer Systems into Domains of Micrometer Length Scale. *Macromolecules*, **2007**, 40, 1779-1781	5.5	7
237	Synthesis of Dendron Functionalized Core Cross-linked Star Polymers. *Macromolecules*, **2007**, 40, 7855-7863	5.5	60
236	Controlled Ordering of Block Copolymer Thin Films by the Addition of Hydrophilic Nanoparticles. *Macromolecules*, **2007**, 40, 8119-8124	5.5	68
235	Structural effects on the biodistribution and positron emission tomography (PET) imaging of well-defined (64)Cu-labeled nanoparticles comprised of amphiphilic block graft copolymers. *Biomacromolecules*, **2007**, 8, 3126-34	6.9	116
234	Creating surfactant nanoparticles for block copolymer composites through surface chemistry. *Langmuir*, **2007**, 23, 12693-703	4	174
233	Ordered arrays of -oriented silicon nanorods by CMOS-compatible block copolymer lithography. *Nano Letters*, **2007**, 7, 1516-20	11.5	104
232	Effect of Humidity on the Ordering of PEO-Based Copolymer Thin Films. *Macromolecules*, **2007**, 40, 7019-7025	5.5	103
231	Surface Modification with Cross-Linked Random Copolymers: Minimum Effective Thickness. *Macromolecules*, **2007**, 40, 4296-4300	5.5	63
230	Importance of End-Group Structure in Controlling the Interfacial Activity of Polymer-Coated Nanoparticles. *Macromolecules*, **2007**, 40, 1796-1798	5.5	54
229	Facile RAFT precipitation polymerization for the microwave-assisted synthesis of well-defined, double hydrophilic block copolymers and nanostructured hydrogels. *Journal of the American Chemical Society*, **2007**, 129, 14493-9	16.4	292
228	Nanoparticle surfactants as a route to bicontinuous block copolymer morphologies. *Langmuir*, **2007**, 23, 7804-9	4	154
227	Improved polymer thin-film wetting behavior through nanoparticle segregation to interfaces. *Journal of Physics Condensed Matter*, **2007**, 19, 356003	1.8	44
226	Facile Routes to Patterned Surface Neutralization Layers for Block Copolymer Lithography. *Advanced Materials*, **2007**, 19, 4552-4557	24	142
225	Glyco-acrylate copolymers for bilayer tethering on benzophenone-modified substrates. *Colloids and Surfaces B: Biointerfaces*, **2007**, 54, 127-35	6	13

224	Role of architecture and molecular weight in the formation of tailor-made ultrathin multilayers using dendritic macromolecules and click chemistry. *Journal of Polymer Science Part A*, **2007**, 45, 2835-2846	2.5	111
223	UV-photodimerization in uracil-substituted dendrimers for high density data storage. *Journal of Polymer Science Part A*, **2007**, 45, 4401-4412	2.5	12
222	A chemoselective approach for the accelerated synthesis of well-defined dendritic architectures. *Chemical Communications*, **2007**, 2249-51	5.8	123
221	Self-assembled multilayers of nanocomponents. *Nano Letters*, **2007**, 7, 484-9	11.5	107
220	Preparation of orthogonally-functionalized core Click cross-linked nanoparticles. *New Journal of Chemistry*, **2007**, 31, 718-724	3.6	80
219	Self-assembly and encoding of polymer-stabilized gold nanoparticles with surface-enhanced Raman reporter molecules. *Langmuir*, **2007**, 23, 10539-45	4	57
218	Bringing Efficiency to Materials Synthesis: The Philosophy of Click Chemistry. *Australian Journal of Chemistry*, **2007**, 60, 381	1.2	152
217	Secondary Patterning of UV Imprint Features by Photolithography. *Chemistry of Materials*, **2007**, 19, 5265-5284	9	22
216	Fluorogenic 1,3-dipolar cycloaddition within the hydrophobic core of a shell cross-linked nanoparticle. *Chemistry - A European Journal*, **2006**, 12, 6776-86	4.8	134
215	Multi-functionalized platinum(II) acetylides for optical power limiting **2006**,		3
214	High-temperature resistant, ordered gold nanoparticle arrays. *Nanotechnology*, **2006**, 17, 2122-2126	3.4	32
213	One-step microwave preparation of well-defined and functionalized polymeric nanoparticles. *Journal of the American Chemical Society*, **2006**, 128, 15054-5	16.4	61
212	Defect-free nanoporous thin films from ABC triblock copolymers. *Journal of the American Chemical Society*, **2006**, 128, 7622-9	16.4	269
211	Dendrimers Clicked Together Divergently Volume 38, Number 13, June 28, 2005, pp 5436-5443.. *Macromolecules*, **2006**, 39, 900-900	5.5	3
210	A versatile new monomer family: functionalized 4-vinyl-1,2,3-triazoles via click chemistry. *Journal of the American Chemical Society*, **2006**, 128, 12084-5	16.4	149
209	An optical waveguide study on the nanopore formation in block copolymer/homopolymer thin films by selective solvent swelling. *Journal of Physical Chemistry B*, **2006**, 110, 15381-8	3.4	34
208	Effect of Areal Chain Density on the Location of Polymer-Modified Gold Nanoparticles in a Block Copolymer Template. *Macromolecules*, **2006**, 39, 4108-4114	5.5	275
207	Conformational Changes of Linear−Dendrimer Diblock Copolymers in Dilute Solution. *Macromolecules*, **2006**, 39, 740-746	5.5	13

206	Characterization of Poly(norbornene) Dendronized Polymers Prepared by Ring-Opening Metathesis Polymerization of Dendron Bearing Monomers. *Macromolecules*, **2006**, 39, 7241-7249	5.5	56
205	Well-Controlled Living Polymerization of Perylene-Labeled Polyisoprenes and Their Use in Single-Molecule Imaging. *Macromolecules*, **2006**, 39, 8121-8127	5.5	20
204	Controlling nanowear in a polymer by confining segmental relaxation. *Nano Letters*, **2006**, 6, 296-300	11.5	34
203	Synthesis of well-defined hydrogel networks using click chemistry. *Chemical Communications*, **2006**, 2774-8	5.8	433
202	Cross-linked block copolymer micelles: functional nanostructures of great potential and versatility. *Chemical Society Reviews*, **2006**, 35, 1068-83	58.5	795
201	Facile syntheses of surface-functionalized micelles and shell cross-linked nanoparticles. *Journal of Polymer Science Part A*, **2006**, 44, 5203-5217	2.5	232
200	Molecular architecture and rheological characterization of novel intramolecularly crosslinked polystyrene nanoparticles. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 1930-1947	2.6	44
199	Fabrication of densely packed, well-ordered, high-aspect-ratio silicon nanopillars over large areas using block copolymer lithography. *Thin Solid Films*, **2006**, 513, 289-294	2.2	69
198	General strategies for nanoparticle dispersion. *Science*, **2006**, 311, 1740-3	33.3	791
197	Shell click-crosslinked (SCC) nanoparticles: a new methodology for synthesis and orthogonal functionalization. *Journal of the American Chemical Society*, **2005**, 127, 16892-9	16.4	293
196	Multivalent, bifunctional dendrimers prepared by click chemistry. *Chemical Communications*, **2005**, 5775-7	3.8	389
195	The convergence of synthetic organic and polymer chemistries. *Science*, **2005**, 309, 1200-5	33.3	1169
194	Conformation of intramolecularly cross-linked polymer nanoparticles on solid substrates. *Nano Letters*, **2005**, 5, 1704-9	11.5	30
193	The dramatic effect of architecture on the self-assembly of block copolymers at interfaces. *Langmuir*, **2005**, 21, 10444-58	4	75
192	Effects of Polymer Architecture and Nanoenvironment in Acylation Reactions Employing Dendritic (Dialkylamino)pyridine Catalysts. *Macromolecules*, **2005**, 38, 5411-5415	5.5	83
191	Interfacial Interaction Dependence of Microdomain Orientation in Diblock Copolymer Thin Films. *Macromolecules*, **2005**, 38, 2802-2805	5.5	98
190	A Thermal and Manufacturable Approach to Stabilized Diblock Copolymer Templates. *Macromolecules*, **2005**, 38, 7676-7683	5.5	79
189	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. *Macromolecules*, **2005**, 38, 2674-2685	5.5	72

188	Polymerizable Living Free Radical Initiators as a Platform To Synthesize Functional Networks. *Chemistry of Materials*, **2005**, 17, 4789-4797	9.6	30
187	Influence of molecular architecture on the dewetting of thin polystyrene films. *Langmuir*, **2005**, 21, 577046		73
186	Doubly-dendronized linear polymers. *Chemical Communications*, **2005**, 5169-71	5.8	83
185	Orthogonal approaches to the simultaneous and cascade functionalization of macromolecules using click chemistry. *Journal of the American Chemical Society*, **2005**, 127, 14942-9	16.4	311
184	Structurally Diverse Dendritic Libraries: A Highly Efficient Functionalization Approach Using Click Chemistry. *Macromolecules*, **2005**, 38, 3663-3678	5.5	338
183	Functionalization of Micelles and Shell Cross-linked Nanoparticles Using Click Chemistry. *Chemistry of Materials*, **2005**, 17, 5976-5988	9.6	234
182	Dendrimers Clicked Together Divergently. *Macromolecules*, **2005**, 38, 5436-5443	5.5	227
181	Effect of Ideal, Organic Nanoparticles on the Flow Properties of Linear Polymers: Non-Einstein-like Behavior. *Macromolecules*, **2005**, 38, 8000-8011	5.5	188
180	Silica Nanostructures Templated by Oriented Block Copolymer Thin Films Using Pore-Filling and Selective-Mineralization Routes. *Chemistry of Materials*, **2005**, 17, 4743-4749	9.6	56
179	Block Copolymer Lithography: Merging Bottom-Up with Top-Down Processes. *MRS Bulletin*, **2005**, 30, 952-966	3.2	569
178	A generalized approach to the modification of solid surfaces. *Science*, **2005**, 308, 236-9	33.3	467
177	One-pot reaction cascades using star polymers with core-confined catalysts. *Angewandte Chemie - International Edition*, **2005**, 44, 6384-7	16.4	251
176	One-Pot Reaction Cascades Using Star Polymers with Core-Confined Catalysts. *Angewandte Chemie*, **2005**, 117, 6542-6545	3.6	49
175	Thin Films of Block Copolymers as Planar Optical Waveguides. *Advanced Materials*, **2005**, 17, 2442-2446	24	41
174	Covalent stabilization of nanostructures: Robust block copolymer templates from novel thermoreactive systems. *Journal of Polymer Science Part A*, **2005**, 43, 1028-1037	2.5	82
173	Nanoscale Objects: Perspectives Regarding Methodologies for Their Assembly, Covalent Stabilization, and Utilization. *Topics in Current Chemistry*, **2005**, 287-305		10
172	Effect of Polymer-Substrate Interactions on the Glass Transition of Polymer Thin Films. *AIP Conference Proceedings*, **2004**,	0	1
171	Porous organosilicates low-dielectric films for high-frequency devices. *Journal of Electronic Materials*, **2004**, 33, 135-140	1.9	4

170	Efficiency and fidelity in a click-chemistry route to triazole dendrimers by the copper(i)-catalyzed ligation of azides and alkynes. *Angewandte Chemie - International Edition*, **2004**, 43, 3928-32	16.4	1017
169	Precise Control over Molecular Dimensions of Block-Copolymer Domains Using the Interfacial Energy of Chemically Nanopatterned Substrates. *Advanced Materials*, **2004**, 16, 1315-1319	24	234
168	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. *Angewandte Chemie*, **2004**, 116, 4018-4022	3.6	174
167	Patterned nanoporous poly(methylsilsesquioxane) thin films: a potential high density substrate. *Materials Science and Engineering C*, **2004**, 24, 487-490	8.3	3
166	Scattering Study on the Selective Solvent Swelling Induced Surface Reconstruction. *Macromolecules* , **2004**, 37, 2972-2977	5.5	76
165	Dendronized linear polymers via "click chemistry". *Journal of the American Chemical Society*, **2004**, 126, 15020-1	16.4	545
164	Nanoporous, Low-Dielectric Constant Organosilicate Materials Derived from Inorganic Polymer Blends. *ACS Symposium Series*, **2004**, 144-160	0.4	5
163	Evaluating the Effect of Termination by Chain - Chain Coupling in Living Free-Radical Polymerizations. *Australian Journal of Chemistry*, **2003**, 56, 775	1.2	20
162	Porous Organosilicates for On-Chip Applications: Dielectric Generational Extendibility by the Introduction of Porosity. *Springer Series in Advanced Microelectronics*, **2003**, 167-202	1	3
161	Templating of silsesquioxane cross-linking using unimolecular self-organizing polymers. *Angewandte Chemie - International Edition*, **2003**, 42, 3785-8	16.4	38
160	Macromolecules at surfaces: Research challenges and opportunities from tribology to biology. *Journal of Polymer Science, Part B: Polymer Physics*, **2003**, 41, 2755-2793	2.6	144
159	Rod□oil block copolymers: An iterative synthetic approach via living free-radical procedures. *Journal of Polymer Science Part A*, **2003**, 41, 3640-3656	2.5	44
158	Nanoscale effects leading to non-Einstein-like decrease in viscosity. *Nature Materials*, **2003**, 2, 762-6	27	516
157	A modular approach toward functionalized three-dimensional macromolecules: from synthetic concepts to practical applications. *Journal of the American Chemical Society*, **2003**, 125, 715-28	16.4	295
156	Interfacial Energy Effects on the Electric Field Alignment of Symmetric Diblock Copolymers. *Macromolecules*, **2003**, 36, 6178-6182	5.5	88
155	Dendronized cyclocopolymers with a radial gradient of polarity and their use to catalyze a difficult esterification. *Chemical Communications*, **2003**, 2524-5	5.8	78
154	A versatile method for tuning the chemistry and size of nanoscopic features by living free radical polymerization. *Journal of the American Chemical Society*, **2003**, 125, 3831-8	16.4	165
153	Macromolecules of controlled architecture. *Journal of Materials Chemistry*, **2003**, 13, 2653-2660		32

152	Application of complex macromolecular architectures for advanced microelectronic materials. *Chemistry - A European Journal*, **2002**, 8, 3308-19	4.8	118
151	Anchoring of liquid crystals on surface-initiated polymeric brushes. *ChemPhysChem*, **2002**, 3, 448-51	3.2	11
150	Rheology of polybenzyl ether dendrimers their copolymer and blends. *Materials Research Innovations*, **2002**, 6, 160-166	1.9	5
149	Production of crosslinked, hollow nanoparticles by surface-initiated living free-radical polymerization. *Journal of Polymer Science Part A*, **2002**, 40, 1309-1320	2.5	179
148	Synthesis of lipo-glycopolymer amphiphiles by nitroxide-mediated living free-radical polymerization. *Journal of Polymer Science Part A*, **2002**, 40, 3379-3391	2.5	104
147	Synthesis of Polyethylene Graft Block Copolymers from Styrene, Butyl Acrylate, and Butadiene. *Macromolecules*, **2002**, 35, 9246-9248	5.5	37
146	Pore size distributions in nanoporous methyl silsesquioxane films as determined by small angle x-ray scattering. *Applied Physics Letters*, **2002**, 81, 2232-2234	3.4	67
145	Selective Sorption of Nanoporous Poly(methyl silsesquioxane). *Chemistry of Materials*, **2002**, 14, 4628-4637	7.2	13
144	Architectural Disparity Effects in the Morphology of Dendrimer–Linear Coil Diblock Copolymers. *Macromolecules*, **2002**, 35, 9239-9242	5.5	21
143	Microphase Separation of Hybrid Dendron–Linear Diblock Copolymers into Ordered Structures. *Macromolecules*, **2002**, 35, 8391-8399	5.5	65
142	A facile approach to architecturally defined nanoparticles via intramolecular chain collapse. *Journal of the American Chemical Society*, **2002**, 124, 8653-60	16.4	367
141	Influence of Dendrimer Additives on the Dewetting of Thin Polystyrene Films. *Langmuir*, **2002**, 18, 1877-1882	4	81
140	The effect of macromolecular architecture in nanomaterials: a comparison of site isolation in porphyrin core dendrimers and their isomeric linear analogues. *Journal of the American Chemical Society*, **2002**, 124, 3926-38	16.4	133
139	A Simple Route to Metal Nanodots and Nanoporous Metal Films. *Nano Letters*, **2002**, 2, 933-936	11.5	221
138	Stannous(II) trifluoromethane sulfonate: a versatile catalyst for the controlled ring-opening polymerization of lactides: Formation of stereoregular surfaces from polylactide brushes. *Journal of Polymer Science Part A*, **2001**, 39, 3529-3538	2.5	65
137	Thermodynamic properties of dendrimers compared with linear polymers: General observations. *Journal of Polymer Science, Part B: Polymer Physics*, **2001**, 39, 1766-1777	2.6	24
136	A Novel Approach to Functionalized Nanoparticles: Self-Crosslinking of Macromolecules in Ultradilute Solution. *Advanced Materials*, **2001**, 13, 204-208	24	173
135	A Route to Nanoscopic SiO2 Posts via Block Copolymer Templates. *Advanced Materials*, **2001**, 13, 795-797	24	170

134	Application of Hyperbranched Block Copolymers as Templates for the Generation of Nanoporous Organosilicates. *High Performance Polymers*, **2001**, 13, S11-S19	1.6	23
133	New polymer synthesis by nitroxide mediated living radical polymerizations. *Chemical Reviews*, **2001**, 101, 3661-88	68.1	3478
132	Acceleration in nitroxide mediated "living" free radical polymerizations. *Chemical Communications*, **2001**, 823-824	5.8	46
131	Effect of Interfacial Interactions on the Glass Transition of Polymer Thin Films. *Macromolecules*, **2001**, 34, 5535-5539	5.5	250
130	Chain End Functionalization in Nitroxide-Mediated "living" Free Radical Polymerizations. *Macromolecules*, **2001**, 34, 3856-3862	5.5	76
129	Intrinsic Viscosity Variation in Different Solvents for Dendrimers and Their Hybrid Copolymers with Linear Polymers. *Macromolecules*, **2001**, 34, 4927-4936	5.5	51
128	High-throughput synthesis of nanoscale materials: structural optimization of functionalized one-step star polymers. *Journal of the American Chemical Society*, **2001**, 123, 6461-2	16.4	165
127	Correlation of Surface and Bulk Order in Low Surface Energy Polymers. *Macromolecules*, **2001**, 34, 1128-1130	5.5	55
126	Self-encapsulation of poly-2,7-fluorenes in a dendrimer matrix. *Journal of the American Chemical Society*, **2001**, 123, 6965-72	16.4	272
125	Viscosimetric, Hydrodynamic, and Conformational Properties of Dendrimers and Dendrons. *Macromolecules*, **2001**, 34, 8580-8585	5.5	110
124	A practical approach to the living polymerization of functionalized monomers: application to block copolymers and 3-dimensional macromolecular architectures. *Macromolecular Symposia*, **2001**, 174, 85-92	0.8	24
123	Block copolymers as nanoscopic templates. *Macromolecular Symposia*, **2000**, 159, 77-88	0.8	25
122	Nanoscopic Templates from Oriented Block Copolymer Films. *Advanced Materials*, **2000**, 12, 787-791	24	565
121	Hybrid dendritic-linear graft copolymers: Steric considerations in coupling to approach **2000**, 38, 1033-1044		63
120	Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al.. *Journal of Polymer Science Part A*, **2000**, 38, 1723-1724	2.5	1
119	End-group fidelity in nitroxide-mediated living free-radical polymerizations. *Journal of Polymer Science Part A*, **2000**, 38, 4749-4763	2.5	118
118	Supramolecular Approaches to Nanoscale Dielectric Foams for Advanced Microelectronic Devices. *MRS Bulletin*, **2000**, 25, 54-58	3.2	67
117	Accurate Structural Control and Block Formation in the Living Polymerization of 1,3-Dienes by Nitroxide-Mediated Procedures. *Macromolecules*, **2000**, 33, 363-370	5.5	189

116	Mixed Lamellar Films: Evolution, Commensurability Effects, and Preferential Defect Formation. *Macromolecules*, **2000**, 33, 80-88	5.5	104
115	Reducing Substrate Pinning of Block Copolymer Microdomains with a Buffer Layer of Polymer Brushes. *Macromolecules*, **2000**, 33, 857-865	5.5	102
114	Manipulation of Surface Properties by Patterning of Covalently Bound Polymer Brushes. *Journal of the American Chemical Society*, **2000**, 122, 1844-1845	16.4	188
113	Hyperbranched Polyesters as Nanoporosity Templating Agents for Organosilicates. *Macromolecules* , **2000**, 33, 4281-4284	5.5	95
112	One-Step Formation of Functionalized Block Copolymers. *Macromolecules*, **2000**, 33, 1505-1507	5.5	182
111	Use of Stable Free Radicals for the Sequential Preparation and Surface Grafting of Functionalized Macroporous Monoliths. *Macromolecules*, **2000**, 33, 7769-7775	5.5	89
110	Using Atom Transfer Radical Polymerization To Amplify Monolayers of Initiators Patterned by Microcontact Printing into Polymer Brushes for Pattern Transfer. *Macromolecules*, **2000**, 33, 597-605	5.5	354
109	End-group fidelity in nitroxide-mediated living free-radical polymerizations. *Journal of Polymer Science Part A*, **2000**, 38, 4749-4763	2.5	30
108	Porous Organosilicates for On-Chip Dielectric Applications. *Materials Research Society Symposia Proceedings*, **1999**, 565, 3		22
107	Nanoporous Polyimides **1999**, 1-43		70
106	3-Dimensional dendritic macromolecules. *Current Opinion in Colloid and Interface Science*, **1999**, 4, 117-121	7.16	30
105	Stability and Molecular Conformation of Poly(benzyl ether) Monodendrons with Oligo(ethylene glycol) Tails at the Air Water Interface. *Langmuir*, **1999**, 15, 227-233	4	74
104	Synthesis of dendritic linear block copolymers by living ring-opening polymerization of lactones and lactides using dendritic initiators **1999**, 37, 1923-1930		36
103	Surface-Initiated Polymerization for Amplification of Self-Assembled Monolayers Patterned by Microcontact Printing. *Angewandte Chemie - International Edition*, **1999**, 38, 647-649	16.4	209
102	A novel processing aid for polymer extrusion: Rheology and processing of polyethylene and hyperbranched polymer blends. *Journal of Rheology*, **1999**, 43, 781-793	4.1	102
101	Synthesis and Catalytic Activity of Unimolecular Dendritic Reverse Micelles with Internal Functional Groups. *Journal of the American Chemical Society*, **1999**, 121, 9471-9472	16.4	194
100	Adaptation of bulk constitutive equations to insoluble monolayer collapse at the air-water interface. *Science*, **1999**, 283, 1730-3	33.3	24
99	Neutrality Conditions for Block Copolymer Systems on Random Copolymer Brush Surfaces. *Macromolecules*, **1999**, 32, 5299-5303	5.5	115

98	Development of a Universal Alkoxyamine for "Living" Free Radical Polymerizations. *Journal of the American Chemical Society*, **1999**, 121, 3904-3920	16.4	962
97	Concurrent Chain and Stepwise Polymerizations for the Preparation of Block Copolymers in One Step. *Macromolecules*, **1999**, 32, 8227-8229	5.5	32
96	Controlled Synthesis of Polymer Brushes by "Living" Free Radical Polymerization Techniques. *Macromolecules*, **1999**, 32, 1424-1431	5.5	825
95	Low-Dielectric, Nanoporous Organosilicate Films Prepared via Inorganic/Organic Polymer Hybrid Templates. *Chemistry of Materials*, **1999**, 11, 3080-3085	9.6	191
94	Adhesion of Polymer Interfaces Reinforced with Random and Diblock Copolymers as a Function of Geometry. *Macromolecules*, **1999**, 32, 6254-6260	5.5	38
93	Surface-Initiated Polymerization for Amplification of Self-Assembled Monolayers Patterned by Microcontact Printing **1999**, 38, 647		1
92	Dendritic and Hyperbranched Macromolecules "Precisely Controlled Macromolecular Architectures **1999**, 113-160		98
91	Nanodomain control in copolymer thin films. *Nature*, **1998**, 395, 757-758	50.4	272
90	A versatile and efficient synthesis of alkoxyamine LFR initiators via manganese based asymmetric epoxidation catalysts. *Journal of Polymer Science Part A*, **1998**, 36, 2161-2167	2.5	97
89	Highly branched radial block copolymers via dendritic initiation of aliphatic polyesters. *Journal of Polymer Science Part A*, **1998**, 36, 2793-2798	2.5	54
88	Simultaneous Dual Living Polymerizations: A Novel One-Step Approach to Block and Graft Copolymers. *Angewandte Chemie - International Edition*, **1998**, 37, 1274-1276	16.4	190
87	Macromolecular engineering via "living" free radical polymerizations. *Macromolecular Chemistry and Physics*, **1998**, 199, 923-935	2.6	31
86	Biosynthesis of porphyrins and related macrocycles. Part 50.1 Synthesis of the N-formyl-dihydro analogue of the spiro-intermediate and its interaction with uroporphyrinogen III synthase. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 1531-1540		8
85	Synthesis of Poly(olefin) Graft Copolymers by a Combination of Metallocene and "Living" Free Radical Polymerization Techniques. *Macromolecules*, **1998**, 31, 4396-4398	5.5	119
84	Biosynthesis of porphyrins and related macrocycles. Part 47.1,2 Synthesis and chemistry of 2H-pyrroles (pyrrolenines) related to the proposed spiro-intermediate for porphyrin biosynthesis. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 1493-1508		7
83	Biosynthesis of porphyrins and related macrocycles. Part 48.1,2 The rearrangement of 2H-pyrroles (pyrrolenines) related to the proposed spiro-intermediate for porphyrin biosynthesis. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 1509-1518		7
82	Biosynthesis of porphyrins and related macrocycles. Part 49.1 Exploration of synthetic routes to analogues of the spiro-intermediate for porphyrin biosynthesis. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 1519-1530		6
81	A Mild and Versatile Synthesis for the Preparation of Thiol-Functionalized Polymers. *Macromolecules*, **1998**, 31, 5960-5963	5.5	47

80	The Living Free Radical Synthesis of Poly(4-hydroxystyrene): Physical Properties and Dissolution Behavior. *Macromolecules*, **1998**, 31, 1024-1031	5.5	71
79	Vapor Liquid Equilibria for Solutions of Dendritic Polymers. *Journal of Chemical & Engineering Data*, **1998**, 43, 541-550	2.8	36
78	Dual Living Free Radical and Ring Opening Polymerizations from a Double-Headed Initiator. *Macromolecules*, **1998**, 31, 213-219	5.5	187
77	Dendrimer-like Star Block and Amphiphilic Copolymers by Combination of Ring Opening and Atom Transfer Radical Polymerization. *Macromolecules*, **1998**, 31, 8691-8705	5.5	286
76	Using Surface Active Random Copolymers To Control the Domain Orientation in Diblock Copolymer Thin Films. *Macromolecules*, **1998**, 31, 7641-7650	5.5	280
75	The Melt Viscosity of Dendritic Poly(benzyl ether) Macromolecules. *Macromolecules*, **1998**, 31, 5043-50	5.5	88
74	Synthesis of novel polymeric materials based on aliphatic polyesters by combination of different controlled polymerization methods. *Macromolecular Symposia*, **1998**, 132, 385-403	0.8	8
73	Templating Nanopores Into Poly(Methylsilsesquioxane): New Lowdielectric Coatings Suitable for Microelectronic Applications. *Materials Research Society Symposia Proceedings*, **1998**, 511, 69		24
72	The Effect of Macromolecular Architecture on the Thin Film Aqueous Base Dissolution of Phenolic Polymers for Microlithography. *ACS Symposium Series*, **1998**, 360-370	0.4	3
71	Macromolecular engineering via living free radical polymerizations. *Macromolecular Chemistry and Physics*, **1998**, 199, 923-935	2.6	89
70	Interfacial Segregation in Disordered Block Copolymers: Effect of Tunable Surface Potentials. *Physical Review Letters*, **1997**, 79, 237-240	7.4	223
69	Poly(aryl ether phenylquinoxalines) via anionic ring opening polymerization of macrocycles. *Macromolecular Symposia*, **1997**, 122, 101-109	0.8	
68	Ordered Diblock Copolymer Films on Random Copolymer Brushes. *Macromolecules*, **1997**, 30, 6810-6813	5.5	237
67	Structure Control in Organic Inorganic Hybrids Using Hyperbranched High-Temperature Polymers. *Macromolecules*, **1997**, 30, 7607-7610	5.5	38
66	Living Free Radical Polymerization: A Unique Technique for the Preparation of Controlled Macromolecular Architectures. *Accounts of Chemical Research*, **1997**, 30, 373-382	24.3	336
65	Exact Linear Analogs of Dendritic Polyether Macromolecules: Design, Synthesis, and Unique Properties. *Journal of the American Chemical Society*, **1997**, 119, 9903-9904	16.4	191
64	Controlling Polymer-Surface Interactions with Random Copolymer Brushes. *Science*, **1997**, 275, 1458-1460	33.3	1117
63	Living Free-Radical Polymerizations in the Absence of Initiators: Controlled Autopolymerization. *Macromolecules*, **1997**, 30, 1929-1934	5.5	113

62	Development of a new class of rate-accelerating additives for nitroxide-mediated living free radical polymerization. *Tetrahedron*, **1997**, 53, 15225-15236	2.4	99
61	A Tandem Approach to Graft and Dendritic Graft Copolymers Based on Living Free Radical Polymerizations. *Angewandte Chemie International Edition in English*, **1997**, 36, 270-272		168
60	Eine Tandem-Strategie zur Herstellung von Pfropf- und dendrimerartigen Pfropfcopolymeren durch lebende radikalische Polymerisation. *Angewandte Chemie*, **1997**, 109, 261-264	3.6	4
59	Living free radical polymerization of macromonomers: Preparation of well defined graft copolymers. *Macromolecular Chemistry and Physics*, **1997**, 198, 155-166	2.6	102
58	Intramolecular cyclization in hyperbranched polyesters. *Journal of Polymer Science Part A*, **1997**, 35, 1627-1633	2.5	49
57	Polyimide Nanofoams from Phase Separated Triblock Copolymers **1997**, 529-542		
56	Dendritic Initiators for Living Radical Polymerizations: A Versatile Approach to the Synthesis of Dendritic-Linear Block Copolymers. *Journal of the American Chemical Society*, **1996**, 118, 11111-11118	16.4	148
55	Hyperbranched Poly(ether ketones): Manipulation of Structure and Physical Properties. *Macromolecules*, **1996**, 29, 4370-4380	5.5	193
54	Heterocycle-Activated Aromatic Nucleophilic Substitution of AB2Poly(aryl ether phenylquinoxaline) Monomers. 3. *Macromolecules*, **1996**, 29, 8543-8545	5.5	42
53	Hyperbranched Poly(ethylene glycol)s: A New Class of Ion-Conducting Materials. *Macromolecules*, **1996**, 29, 3831-3838	5.5	158
52	Well-Defined Random Copolymers by a Living Free-Radical Polymerization Process. *Macromolecules*, **1996**, 29, 2686-2688	5.5	171
51	Radical Crossover in Nitroxide Mediated Living Free Radical Polymerizations. *Journal of the American Chemical Society*, **1996**, 118, 11467-11471	16.4	170
50	Homopolymer Interfaces Reinforced with Random Copolymers. *Macromolecules*, **1996**, 29, 5493-5496	5.5	77
49	Initiating Systems for Nitroxide-Mediated Living Free Radical Polymerizations: Synthesis and Evaluation. *Macromolecules*, **1996**, 29, 5245-5254	5.5	310
48	Dendrimers and Hyperbranched Polymers: Two Families of Three-Dimensional Macromolecules with Similar but Clearly Distinct Properties. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1996**, 33, 1399-1425	2.2	228
47	Design, Synthesis, and Properties of Dendritic Macromolecules. *ACS Symposium Series*, **1996**, 186-196	0.4	4
46	Polymer Mobility in Thin Films. *Macromolecules*, **1996**, 29, 6531-6534	5.5	300
45	Comparison of Linear, Hyperbranched, and Dendritic Macromolecules. *ACS Symposium Series*, **1996**, 132-144		17

44	Hyperbranched polyphenylene and hyperbranched polyesters: new soluble, three-dimensional, reactive polymers. *Reactive and Functional Polymers*, **1995**, 26, 127-136	4.6	71
43	Molecular Ball Bearings: The Unusual Melt Viscosity Behavior of Dendritic Macromolecules. *Journal of the American Chemical Society*, **1995**, 117, 4409-4410	16.4	200
42	Neutron Reflectivity and Structure of Polyether Dendrimers as Langmuir Films. *The Journal of Physical Chemistry*, **1995**, 99, 8283-8289		98
41	Accurate Control of Chain Ends by a Novel "Living" Free-Radical Polymerization Process. *Macromolecules*, **1995**, 28, 2993-2995	5.5	166
40	Preparation of Hyperbranched and Star Polymers by a "Living", Self-Condensing Free Radical Polymerization. *Journal of the American Chemical Society*, **1995**, 117, 10763-10764	16.4	480
39	Kontrolle der Molekülarchitektur in lebenden radikalischen Polymerisationen: Herstellung von Stern- und Pfropfpolymeren. *Angewandte Chemie*, **1995**, 107, 1623-1627	3.6	10
38	Architectural Control in "Living" Free Radical Polymerizations: Preparation of Star and Graft Polymers. *Angewandte Chemie International Edition in English*, **1995**, 34, 1456-1459		232
37	Three-dimensional dendritic macromolecules: design, synthesis, and properties **1995**, 290-330		15
36	The convergent-growth approach to dendritic macromolecules. *Advances in Dendritic Macromolecules*, **1995**, 1-39		4
35	A "Branched-Monomer Approach" for the Rapid Synthesis of Dendimers. *Angewandte Chemie International Edition in English*, **1994**, 33, 82-85		110
34	Verzweigte Monomere als Quelle für einen schnelleren Zugang zu Dendrimeren. *Angewandte Chemie*, **1994**, 106, 123-126	3.6	18
33	Influence of shape on the reactivity and properties of dendritic, hyperbranched and linear aromatic polyesters. *Polymer*, **1994**, 35, 4489-4495	3.9	191
32	The Synthesis and Characterization of a Self-Assembling Amphiphilic Fullerene. *Journal of Organic Chemistry*, **1994**, 59, 3503-3505	4.2	95
31	Molecular Weight Control by a "Living" Free-Radical Polymerization Process. *Journal of the American Chemical Society*, **1994**, 116, 11185-11186	16.4	530
30	The Convergent Route to Globular Dendritic Macromolecules: A Versatile Approach to Precisely Functionauzed Three-Dimensional Polymers and Novel Block Copolymers. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1994**, 31, 1627-1645	2.2	40
29	Dendritic fullerenes; a new approach to polymer modification of C60. *Journal of the Chemical Society Chemical Communications*, **1994**, 925-926		85
28	A Simple and Versatile Method for the Synthesis of C60 Copolymers. *Macromolecules*, **1994**, 27, 4836-4837	5.5	139
27	One-Step Synthesis of Hyperbranched Polyesters. Molecular Weight Control and Chain End Functionalization. *Polymer Journal*, **1994**, 26, 187-197	2.7	127

26	Novel macromolecular architectures: Globular block copolymers containing dendritic components. *Macromolecular Symposia*, **1994**, 77, 11-20	0.8	19
25	Physical properties of dendritic macromolecules: a study of glass transition temperature. *Macromolecules*, **1993**, 26, 1514-1519	5.5	262
24	A versatile new method for structure determination in hyperbranched macromolecules. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 2717		68
23	Biosynthesis of porphyrins and related macrocycles. Part 40. Synthesis of a spiro-lactam related to the proposed spiro-intermediate for porphyrin biosynthesis: inhibition of cosynthetase. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 2875		18
22	Solvatochromism as a probe of the microenvironment in dendritic polyethers: transition from an extended to a globular structure. *Journal of the American Chemical Society*, **1993**, 115, 4375-4376	16.4	210
21	Unimolecular micelles and globular amphiphiles: dendritic macromolecules as novel recyclable solubilization agents. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 1287-1297		424
20	Synthesis and properties of novel linear-dendritic block copolymers. Reactivity of dendritic macromolecules toward linear polymers. *Macromolecules*, **1993**, 26, 5621-5627	5.5	154
19	Unsymmetrical three-dimensional macromolecules: preparation and characterization of strongly dipolar dendritic macromolecules. *Journal of the American Chemical Society*, **1993**, 115, 11496-11505	16.4	133
18	A versatile synthesis of isomeric hyperbranched polyetherketones. *Polymer Bulletin*, **1993**, 30, 265-272	2.4	64
17	Fullerene-bound dendrimers: soluble, isolated carbon clusters. *Journal of the American Chemical Society*, **1993**, 115, 9836-9837	16.4	147
16	Dendrimer and polystyrene surfactant structure at the air-water interface. *The Journal of Physical Chemistry*, **1993**, 97, 293-294		71
15	Unique behavior of dendritic macromolecules: intrinsic viscosity of polyether dendrimers. *Macromolecules*, **1992**, 25, 2401-2406	5.5	482
14	One-pot synthesis of hyperbranched polyethers. *Macromolecules*, **1992**, 25, 4583-4587	5.5	202
13	Monodispersed dendritic polyesters with removable chain ends: a versatile approach to globular macromolecules with chemically reversible polarities. *Journal of the Chemical Society Perkin Transactions 1*, **1992**, 2459-2469		83
12	Unusual macromolecular architectures: the convergent growth approach to dendritic polyesters and novel block copolymers. *Journal of the American Chemical Society*, **1992**, 114, 8405-8413	16.4	149
11	Hyperbranched macromolecules via a novel double-stage convergent growth approach. *Journal of the American Chemical Society*, **1991**, 113, 4252-4261	16.4	322
10	One-step synthesis of hyperbranched dendritic polyesters. *Journal of the American Chemical Society* , **1991**, 113, 4583-4588	16.4	973
9	Selenomethylpyrroles: their use for synthesis of dipyrrylmethanes (dipyrrins), tripyranes and bilanes. *Journal of the Chemical Society Perkin Transactions 1*, **1991**, 1833		2

8	Polymers with controlled molecular architecture: control of surface functionality in the synthesis of dendritic hyperbranched macromolecules using the convergent approach. *Journal of the Chemical Society Perkin Transactions 1*, **1991**, 1059-1076		99
7	Control of surface functionality in the synthesis of dendritic macromolecules using the convergent-growth approach. *Macromolecules*, **1990**, 23, 4726-4729	5.5	152
6	A new convergent approach to monodisperse dendritic macromolecules. *Journal of the Chemical Society Chemical Communications*, **1990**, 1010-1013		398
5	Preparation of polymers with controlled molecular architecture. A new convergent approach to dendritic macromolecules. *Journal of the American Chemical Society*, **1990**, 112, 7638-7647	16.4	2039
4	Synthesis and Properties of Dendrimers and Hyperbranched Polymers **1989**, 71-132		4
3	Selectivity in the rearrangement of a di(pyrrolylmethyl)-2H-pyrrole. *Journal of the Chemical Society Chemical Communications*, **1987**, 1313		4
2	Three-Dimensional Photochemical Printing of Thermally Activated Polymer Foams. *ACS Applied Polymer Materials*,	4.3	5
1	Digital Light Processing of Dynamic Bottlebrush Materials. *Advanced Functional Materials*,2200883	15.6	3