

# Holger Frey

## 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.

409  
papers

18,072  
citations

66  
h-index

117  
g-index

428  
ext. papers

19,282  
ext. citations

5.6  
avg, IF

6.91  
L-index

#	Paper	IF	Citations
409	Ordering kinetics of a tapered copolymer based on isoprene and styrene.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 134904	3.9	1
408	Dynamics of Poly(cyclohexene carbonate) as a Function of Molar Mass. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 3833-3843	4.3	0
407	Rational Design of Tapered Multiblock Copolymers for Thermoplastic Elastomers. <i>Progress in Polymer Science</i> , <b>2021</b> , 124, 101488	29.6	9
406	Anionic Polymerization of Terpene Monomers: New Options for Bio-Based Thermoplastic Elastomers. <i>Macromolecules</i> , <b>2021</b> , 54, 7323-7336	5.5	6
405	Temperature Variation Enables the Design of Biobased Block Copolymers via One-Step Anionic Copolymerization. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000513	4.8	5
404	The Unique Versatility of the Double Metal Cyanide (DMC) Catalyst: Introducing Siloxane Segments to Polypropylene Oxide by Ring-Opening Copolymerization. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000542	4.8	4
403	Building Bridges by Blending: Morphology and Mechanical Properties of Binary Tapered Diblock/Multiblock Copolymer Blends. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2000373	2.6	4
402	The effect of THF and the chelating modifier DTHFP on the copolymerisation of $\beta$ -myrcene and styrene: kinetics, microstructures, morphologies, and mechanical properties. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4632-4642	4.9	2
401	N-Oxide Polyethers as Kinetic Hydrate Inhibitors: Side Chain Ring Size Makes the Difference. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4067-4074	4.1	7
400	Unexpected Random Copolymerization of Propylene Oxide with Glycidyl Methyl Ether via Double Metal Cyanide Catalysis: Introducing Polarity in Polypropylene Oxide. <i>Macromolecules</i> , <b>2021</b> , 54, 11228-11237	5.5	2
399	Tapered Multiblock Star Copolymers: Synthesis, Selective Hydrogenation, and Properties. <i>Macromolecules</i> , <b>2020</b> , 53, 4422-4434	5.5	8
398	Water-soluble hyperbranched polyglycerol photosensitizer for enhanced photodynamic therapy. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3913-3921	4.9	2
397	Targeting of Immune Cells with Trimannosylated Liposomes. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 1900185	4.9	5
396	Hydroxamic Acid: An Underrated Moiety? Marrying Bioinorganic Chemistry and Polymer Science. <i>Biomacromolecules</i> , <b>2020</b> , 21, 2546-2556	6.9	10
395	Long-Chain Alkyl Epoxides and Glycidyl Ethers: An Underrated Class of Monomers. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000225	4.8	5
394	Tetrahydrofuran: More than a Randomizer in the Living Anionic Copolymerization of Styrene and Isoprene: Kinetics, Microstructures, Morphologies, and Mechanical Properties. <i>Macromolecules</i> , <b>2020</b> , 53, 5512-5527	5.5	13
393	"Dumb" pH-Independent and Biocompatible Hydrogels Formed by Copolymers of Long-Chain Alkyl Glycidyl Ethers and Ethylene Oxide. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3152-3162	6.9	4

392	Synthesis and Solution Processing of Nylon-5 Ferroelectric Thin Films: The Renaissance of Odd-Nylons?. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900468	2.6	8
391	A Nonconventional Approach toward Multihydroxy Functional Polystyrenes Relying on a Simple Grignard Reagent. <i>Macromolecules</i> , <b>2020</b> , 53, 3370-3379	5.5	1
390	Ester Functional Epoxide Monomers for Random and Gradient Poly(ethylene glycol) Polyelectrolytes with Multiple Carboxylic Acid Moieties. <i>Macromolecules</i> , <b>2020</b> , 53, 3524-3534	5.5	4
389	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 181-192	2.4	
388	Amino-functional polyethers: versatile, stimuli-responsive polymers. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3940-3950	4.9	11
387	pH-Responsive protein nanoparticles via conjugation of degradable PEG to the surface of cytochrome c. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 551-559	4.9	7
386	Acid-Cleavable Poly(ethylene glycol) Hydrogels Displaying Protein Release at pH 5. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2947-2953	4.8	2
385	Hyperbranched polymer architectures: From Flory's AB(f-1) polycondensates to controlled structures. <i>Polymer</i> , <b>2020</b> , 211, 123113	3.9	4
384	Hard-Sphere Behavior of Soft-Globular-like, Hyperbranched Polyglycerols [Extensive Molecular Hydrodynamic and Light Scattering Studies. <i>Macromolecules</i> , <b>2020</b> , 53, 9220-9233	5.5	2
383	Stability of Alkyl Chain-Mediated Lipid Anchoring in Liposomal Membranes. <i>Cells</i> , <b>2020</b> , 9,	7.9	3
382	Myrcenol-Based Monomer for Carbanionic Polymerization: Functional Copolymers with Myrcene and Bio-Based Graft Copolymers. <i>Macromolecules</i> , <b>2020</b> , 53, 9008-9017	5.5	8
381	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. <i>Macromolecules</i> , <b>2020</b> , 53, 10397-10408	5.5	19
380	Efficiency Boosting of Surfactants with Poly(ethylene oxide)-Poly(alkyl glycidyl ether)s: A New Class of Amphiphilic Polymers. <i>Langmuir</i> , <b>2020</b> , 36, 9849-9866	4	0
379	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000216	2.6	36
378	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 181-192	2.4	2
377	Multifunctional Fe(III)-Binding Polyethers from Hydroxamic Acid-Based Epoxide Monomers. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900282	4.8	7
376	Amine N-Oxide Kinetic Hydrate Inhibitor Polymers for High-Salinity Applications. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 6298-6305	4.1	10
375	Local and Subchain Relaxation of Polyisoprene in Multiblock Copolymers with a Tapered Interface. <i>Macromolecules</i> , <b>2020</b> , 53, 3042-3051	5.5	6

374	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1213-1220	4.9	35
373	A general concept for the introduction of hydroxamic acids into polymers. <i>Chemical Science</i> , <b>2019</b> , 10, 7009-7022	9.4	4
372	Surface Modification of Nanoparticles and Nanovesicles via Click-Chemistry. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2000, 235-245	1.4	3
371	Effect of the Substituent Position on the Anionic Copolymerization of Styrene Derivatives: Experimental Results and Density Functional Theory Calculations. <i>Macromolecules</i> , <b>2019</b> , 52, 4545-4554	5.5	7
370	The poly(propylene oxide-co-ethylene oxide) gradient is controlled by the polymerization method: determination of reactivity ratios by direct comparison of different copolymerization models. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 2863-2871	4.9	24
369	Nonionic Aliphatic Polycarbonate Diblock Copolymers Based on CO, 1,2-Butylene Oxide, and mPEG: Synthesis, Micellization, and Solubilization. <i>Langmuir</i> , <b>2019</b> , 35, 5221-5231	4	8
368	Phosphonylation Controls the Protein Corona of Multifunctional Polyglycerol-Modified Nanocarriers. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1800468	5.5	3
367	Aminal Protection of Epoxide Monomer Permits the Introduction of Multiple Secondary Amine Moieties at Poly(ethylene glycol). <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1900057	4.8	2
366	Tapered Multiblock Copolymers Based on Isoprene and 4-Methylstyrene: Influence of the Tapered Interface on the Self-Assembly and Thermomechanical Properties. <i>Macromolecules</i> , <b>2019</b> , 52, 1577-1588	5.5	33
365	Poly(ethylene glycol) with Multiple Aldehyde Functionalities Opens up a Rich and Versatile Post-Polymerization Chemistry. <i>Macromolecules</i> , <b>2019</b> , 52, 1785-1793	5.5	12
364	Rapid one-pot synthesis of tapered star copolymers via ultra-fast coupling of polystyryllithium chain ends. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1762-1768	4.9	4
363	Solution-processed transparent ferroelectric nylon thin films. <i>Science Advances</i> , <b>2019</b> , 5, eaav3489	14.3	25
362	Multi-olefin containing polyethers and triazolinediones: a powerful alliance. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4699-4708	4.9	7
361	Glycidyltosylat: Die Polymerisation eines nicht polymerisierbaren Monomers ermöglicht eine universelle, polymeranaloge Funktionalisierung von Polyethern. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13015-13018	16.4	4
360	Glycidyl Tosylate: Polymerization of a "Non-Polymerizable" Monomer permits Universal Post-Functionalization of Polyethers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12883-12886	16.4	8
359	Functionalization of Liposomes with Hydrophilic Polymers Results in Macrophage Uptake Independent of the Protein Corona. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2989-2999	6.9	35
358	Monomer-activated Copolymerization of Ethylene Oxide and Epichlorohydrin: In Situ Kinetics Evidences Tapered Block Copolymer Formation. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 912-918	3.5	7
357	Convenient Access to $\alpha$ -Amino- $\beta$ -Hydroxyl Heterobifunctional PEG and PPO via a Sacrificial Hexahydro-Triazine Star Strategy. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1900020	4.8	3

356	Oxidation-responsive polyether block copolymers lead to non-ionic polymer surfactants with multiple amine N-oxides. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1569-1574	4.9	5
355	Kinetics of Anionic Living Copolymerization of Isoprene and Styrene Using in Situ NIR Spectroscopy: Temperature Effects on Monomer Sequence and Morphology. <i>Macromolecules</i> , <b>2019</b> , 52, 9299-9310	5.5	15
354	Copolymerization of Isoprene with p-Alkylstyrene Monomers: Disparate Reactivity Ratios and the Shape of the Gradient. <i>Macromolecules</i> , <b>2019</b> , 52, 796-806	5.5	18
353	Comparison of Linear and Hyperbranched Polyether Lipids for Liposome Shielding by F-Radiolabeling and Positron Emission Tomography. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2506-2516	6.9	11
352	Functional Polycarbonates from Carbon Dioxide and Tailored Epoxide Monomers: Degradable Materials and Their Application Potential. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704302	15.6	82
351	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. <i>Macromolecules</i> , <b>2018</b> , 51, 3527-3537	5.5	44
350	Systematic Variation of the Degree of Branching (DB) of Polyglycerol via Oxyanionic Copolymerization of Glycidol with a Protected Glycidyl Ether and Its Impact on Rheological Properties. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700376	2.6	7
349	One-Step Anionic Copolymerization Enables Formation of Linear Ultrahigh-Molecular-Weight Block Copolymer Films Featuring Vivid Structural Colors in the Bulk State. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18202-18212	9.5	31
348	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4277-4288	9.6	9
347	Polymerization of long chain alkyl glycidyl ethers: a platform for micellar gels with tailor-made melting points. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 5327-5338	4.9	9
346	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. <i>Macromolecules</i> , <b>2018</b> , 51, 10246-10258	5.5	37
345	Crystalline CO <sub>2</sub> -Based Aliphatic Polycarbonates with Long Alkyl Chains. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800558	4.8	2
344	Particles of vaterite, a metastable CaCO <sub>3</sub> polymorph, exhibit high biocompatibility for human osteoblasts and endothelial cells and may serve as a biomaterial for rapid bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1754-1768	4.4	9
343	Anionic Copolymerization Enables the Scalable Synthesis of Alternating (AB) <sub>n</sub> Multiblock Copolymers with High Molecular Weight in n/2 Steps. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 807-810	6.6	25
342	Clickable PEG via anionic copolymerization of ethylene oxide and glycidyl propargyl ether. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 1882-1887	4.9	13
341	Conducting Polymer with Orthogonal Catechol and Disulfide Anchor Groups for the Assembly of Inorganic Nanostructures. <i>Macromolecules</i> , <b>2017</b> , 50, 3779-3788	5.5	4
340	Recent advances in the use of nanoparticles for allergen-specific immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 72, 1461-1474	9.3	38
339	Synthesis of linear polyglycerols with tailored degree of methylation by copolymerization and the effect on thermorheological behavior. <i>Polymer</i> , <b>2017</b> , 121, 328-339	3.9	5

338	Capitalizing on Protecting Groups to Influence Vinyl Catechol Monomer Reactivity and Monomer Gradient in Carbanionic Copolymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600553	2.6	10
337	Poly(Ethylene Glycol) Dimethacrylates with Cleavable Ketal Sites: Precursors for Cleavable PEG-Hydrogels. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600532	5.5	9
336	Die lebende anionische Polymerisation. <i>Chemie in Unserer Zeit</i> , <b>2017</b> , 51, 254-263	0.2	1
335	[email[protected]]2O3 Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1134-1146	9.6	49
334	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. <i>Macromolecules</i> , <b>2017</b> , 50, 8755-8764	5.5	14
333	Multiarm Polycarbonate Star Polymers with a Hyperbranched Polyether Core from CO <sub>2</sub> and Common Epoxides. <i>Macromolecules</i> , <b>2017</b> , 50, 6577-6585	5.5	12
332	Rigid Hyperbranched Polycarbonate Polyols from CO <sub>2</sub> and Cyclohexene-Based Epoxides. <i>Macromolecules</i> , <b>2017</b> , 50, 6088-6097	5.5	14
331	Silver Oxide Mediated Monotosylation of Poly(ethylene glycol) (PEG): Heterobifunctional PEG via Polymer Desymmetrization. <i>Macromolecules</i> , <b>2017</b> , 50, 9196-9206	5.5	7
330	Well-Defined Multi-Amino-Functional and Stimuli-Responsive Poly(propylene oxide) by Crown Ether Assisted Anionic Ring-Opening Polymerization. <i>Macromolecules</i> , <b>2017</b> , 50, 8885-8893	5.5	31
329	Examples of xylochemistry: colorants and polymers. <i>Green Chemistry</i> , <b>2017</b> , 19, 3780-3786	10	17
328	Thioether-Bearing Hyperbranched Polyether Polyols with Methionine-Like Side-Chains: A Versatile Platform for Orthogonal Functionalization. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1600457	4.8	6
327	Acid-Labile Surfactants Based on Poly(ethylene glycol), Carbon Dioxide and Propylene Oxide: Miniemulsion Polymerization and Degradation Studies. <i>Polymers</i> , <b>2017</b> , 9,	4.5	6
326	Tunable dynamic hydrophobic attachment of guest molecules in amphiphilic core-shell polymers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 5783-5798	4.9	8
325	Living Polymer Chains with Predictable Molecular Weight and Dispersity via Carbanionic Polymerization in Continuous Flow: Mixing Rate as a Key Parameter. <i>Macromolecules</i> , <b>2016</b> , 49, 5043-5050	5.5	46
324	Orthogonal Click Conjugation to the Liposomal Surface Reveals the Stability of the Lipid Anchorage as Crucial for Targeting. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11578-82	4.8	18
323	Conventional Oxyanionic versus Monomer-Activated Anionic Copolymerization of Ethylene Oxide with Glycidyl Ethers: Striking Differences in Reactivity Ratios. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1206-1211	6.6	31
322	Can Hyperbranched Polymers Entangle? Effect of Hydrogen Bonding on Entanglement Transition and Thermorheological Properties of Hyperbranched Polyglycerol Melts. <i>Macromolecules</i> , <b>2016</b> , 49, 8722-8737	5.5	21
321	Physicochemical and Preclinical Evaluation of Spermine-Derived Surfactant Liposomes for in Vitro and in Vivo siRNA-Delivery to Liver Macrophages. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 3636-3647	5.6	3

320	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 7423-7428	7.3	54
319	Wet Chemistry and Peptide Immobilization on Polytetrafluoroethylene for Improved Cell-adhesion. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	3
318	Acid-Labile Amphiphilic PEO-b-PPO-b-PEO Copolymers: Degradable Poloxamer Analogs. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 775-80	4.8	14
317	Hierarchical Ni@Fe <sub>2</sub> O <sub>3</sub> superparticles through epitaxial growth of Fe <sub>2</sub> O <sub>3</sub> nanorods on in situ formed Ni nanoplates. <i>Nanoscale</i> , <b>2016</b> , 8, 9548-55	7.7	18
316	Processing and adjusting the hydrophilicity of poly(oxymethylene) (co)polymers: nanoparticle preparation and film formation. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 184-190	4.9	2
315	Catechol Acetonide Glycidyl Ether (CAGE): A Functional Epoxide Monomer for Linear and Hyperbranched Multi-Catechol Functional Polyether Architectures. <i>Macromolecules</i> , <b>2016</b> , 49, 1655-1665	5.5	37
314	Polymerization of Ethylene Oxide, Propylene Oxide, and Other Alkylene Oxides: Synthesis, Novel Polymer Architectures, and Bioconjugation. <i>Chemical Reviews</i> , <b>2016</b> , 116, 2170-243	68.1	406
313	Hyperbranched Polyols via Copolymerization of 1,2-Butylene Oxide and Glycidol: Comparison of Batch Synthesis and Slow Monomer Addition. <i>Macromolecules</i> , <b>2016</b> , 49, 38-47	5.5	23
312	Oxidation-Responsive and "Clickable" Poly(ethylene glycol) via Copolymerization of 2-(Methylthio)ethyl Glycidyl Ether. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9212-23	16.4	82
311	Anionic Polymerization of Vinylcatechol Derivatives: Reversal of the Monomer Gradient Directed by the Position of the Catechol Moiety in the Copolymerization with Styrene. <i>Macromolecules</i> , <b>2016</b> , 49, 4792-4801	5.5	29
310	Cleavable Polyethylene Glycol: 3,4-Epoxy-1-butene as a Comonomer to Establish Degradability at Physiologically Relevant pH. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1357-1363	6.6	10
309	Tailoring Novel PTFE Surface Properties: Promoting Cell Adhesion and Antifouling Properties via a Wet Chemical Approach. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1216-21	6.3	24
308	Polyvinylferrocene-Based Amphiphilic Block Copolymers Featuring Functional Junction Points for Cross-Linked Micelles. <i>Macromolecules</i> , <b>2016</b> , 49, 3406-3414	5.5	24
307	Poly(THF-co-cyano ethylene oxide): Cyano Ethylene Oxide (CEO) Copolymerization with THF Leading to Multifunctional and Water-Soluble PolyTHF Polyelectrolytes. <i>Macromolecules</i> , <b>2016</b> , 49, 3681-3695	5.5	3
306	Copolymerization Kinetics of Glycidol and Ethylene Oxide, Propylene Oxide, and 1,2-Butylene Oxide: From Hyperbranched to Multiarm Star Topology. <i>Macromolecules</i> , <b>2016</b> , 49, 7767-7776	5.5	13
305	Biodegradable hyperbranched polyether-lipids with in-chain pH-sensitive linkages. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6257-6268	4.9	9
304	Unusual triskelion patterns and dye-labelled GUVs: consequences of the interaction of cholesterol-containing linear-hyperbranched block copolymers with phospholipids. <i>Soft Matter</i> , <b>2015</b> , 11, 6106-17	3.6	2
303	Epicyanohydrin: Polymerization by Monomer Activation Gives Access to Nitrile-, Amino-, and Carboxyl-Functional Poly(ethylene glycol). <i>Macromolecules</i> , <b>2015</b> , 48, 8144-8153	5.5	30

302	Transformation of vaterite nanoparticles to hydroxycarbonate apatite in a hydrogel scaffold: relevance to bone formation. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7079-7089	7.3	20
301	Water-soluble and redox-responsive hyperbranched polyether copolymers based on ferrocenyl glycidyl ether. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7112-7118	4.9	10
300	Cationic Copolymerization of 3,3-Bis(hydroxymethyl)oxetane and Glycidol: Biocompatible Hyperbranched Polyether Polyols with High Content of Primary Hydroxyl Groups. <i>Biomacromolecules</i> , <b>2015</b> , 16, 3297-307	6.9	13
299	Hyperbranched Poly(ethylene glycol) Copolymers: Absolute Values of the Molar Mass, Properties in Dilute Solution, and Hydrodynamic Homology. <i>Macromolecules</i> , <b>2015</b> , 48, 5887-5898	5.5	28
298	Biodegradable pH-Sensitive Poly(ethylene glycol) Nanocarriers for Allergen Encapsulation and Controlled Release. <i>Biomacromolecules</i> , <b>2015</b> , 16, 3103-11	6.9	28
297	Enhanced immunogenicity of multivalent MUC1 glycopeptide antitumour vaccines based on hyperbranched polymers. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 10150-4	3.9	22
296	Aliphatic polycarbonates based on carbon dioxide, furfuryl glycidyl ether, and glycidyl methyl ether: reversible functionalization and cross-linking. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 174-9	4.8	35
295	Statistical properties of linear-hyperbranched graft copolymers prepared via "hypergrafting" of AB(m) monomers from linear B-functional core chains: A molecular dynamics simulation. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 243125	3.9	6
294	Maleimide Glycidyl Ether: A Bifunctional Monomer for Orthogonal Cationic and Radical Polymerizations. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1822-8	4.8	14
293	Hyperbranched poly(glycolide) copolymers with glycerol branching points via ring-opening copolymerization. <i>Polymer</i> , <b>2015</b> , 72, 436-446	3.9	3
292	Controllable Nonspecific Protein Adsorption by Charged Hyperbranched Polyglycerol Thin Films. <i>Langmuir</i> , <b>2015</b> , 31, 13101-6	4	14
291	Fate of linear and branched polyether-lipids in vivo in comparison to their liposomal formulations by 18F-radiolabeling and positron emission tomography. <i>Biomacromolecules</i> , <b>2015</b> , 16, 842-51	6.9	15
290	Rheological Consequences of Hydrogen Bonding: Linear Viscoelastic Response of Linear Polyglycerol and Its Permethylated Analogues as a General Model for Hydroxyl-Functional Polymers. <i>Macromolecules</i> , <b>2015</b> , 48, 119-130	5.5	37
289	A fully synthetic glycopeptide antitumor vaccine based on multiple antigen presentation on a hyperbranched polymer. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4232-6	4.8	40
288	A convenient approach to amphiphilic hyperbranched polymers with thioether shell for the preparation and stabilization of coinage metal (Cu, Ag, Au) nanoparticles. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 1369-1375	2.5	14
287	(1-Adamantyl)methyl glycidyl ether: a versatile building block for living polymerization. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1075-80	4.8	9
286	Beyond poly(ethylene glycol): linear polyglycerol as a multifunctional polyether for biomedical and pharmaceutical applications. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1935-54	6.9	157
285	Stimuli-Responsive Tertiary Amine Functional PEGs Based on N,N-Dialkylglycidylamines. <i>Macromolecules</i> , <b>2014</b> , 47, 7679-7690	5.5	28



284	Hydroxyfunctional oxetane-inimers with varied polarity for the synthesis of hyperbranched polyether polyols via cationic ROP. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 2850-2859	2.5	9
283	Vinylphenylglycidyl ether-based colloidal architectures: high-functionality crosslinking reagents, hybrid raspberry-type particles and smart hydrophobic surfaces. <i>RSC Advances</i> , <b>2014</b> , 4, 41348-41352	3.7	9
282	Living Anionic Polymerization in Continuous Flow: Facilitated Synthesis of High-Molecular Weight Poly(2-vinylpyridine) and Polystyrene. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 1408-1412	3.9	20
281	Click modification of multifunctional liposomes bearing hyperbranched polyether chains. <i>Biomacromolecules</i> , <b>2014</b> , 15, 2440-8	6.9	18
280	Controlled synthesis of multi-arm star polyether-polycarbonate polyols based on propylene oxide and CO <sub>2</sub> . <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 198-203	4.8	26
279	Combining oxyanionic polymerization and click-chemistry: a general strategy for the synthesis of polyether polyol macromonomers. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 899-909	4.9	19
278	Ferrocene-Containing Multifunctional Polyethers: Monomer Sequence Monitoring via Quantitative <sup>13</sup> C NMR Spectroscopy in Bulk. <i>Macromolecules</i> , <b>2014</b> , 47, 2242-2249	5.5	33
277	Cytotoxicity and chemosensitizing activity of amphiphilic poly(glycerol)-poly(alkylene oxide) block copolymers. <i>Biomacromolecules</i> , <b>2014</b> , 15, 2672-81	6.9	21
276	The Needle in the Haystack Makes the Difference: Linear and Hyperbranched Polyglycerols with a Single Catechol Moiety for Metal Oxide Nanoparticle Coating. <i>Macromolecules</i> , <b>2014</b> , 47, 4557-4566	5.5	28
275	A Challenging Comonomer Pair: Copolymerization of Ethylene Oxide and Glycidyl Methyl Ether to Thermoresponsive Polyethers. <i>Macromolecules</i> , <b>2014</b> , 47, 5492-5500	5.5	27
274	Functional Group Distribution and Gradient Structure Resulting from the Living Anionic Copolymerization of Styrene and <i>n</i> -But-3-enyl Styrene. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 560-564	6.6	32
273	Evaluation of multifunctional liposomes in human blood serum by light scattering. <i>Langmuir</i> , <b>2014</b> , 30, 14954-62	4	33
272	Supramolecular Antioxidant Assemblies of Hyperbranched Polyglycerols and Phenols. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 2311-2317	2.6	5
271	Graft Copolymers with Complex Polyether Structures: Poly(ethylene oxide)-graft-Poly(isobutyl vinyl ether) by Combination of Living Anionic and Photoinduced Cationic Graft Polymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 566-571	2.6	9
270	Poly(carbonate) copolymers with a tailored number of hydroxyl groups from glycidyl ethers and CO <sub>2</sub> . <i>Polymer Chemistry</i> , <b>2014</b> , 5, 814-818	4.9	24
269	Stereocomplex Formation in Polylactide Multiarm Stars and Comb Copolymers with Linear and Hyperbranched Multifunctional PEG. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1434-1444	2.6	25
268	Polyether-Based Lipids Synthesized with an Epoxide Construction Kit: Multivalent Architectures for Functional Liposomes. <i>ACS Symposium Series</i> , <b>2013</b> , 11-25	0.4	7
267	Catechol-initiated polyethers: multifunctional hydrophilic ligands for PEGylation and functionalization of metal oxide nanoparticles. <i>Biomacromolecules</i> , <b>2013</b> , 14, 193-9	6.9	38

266	Redox-Responsive Block Copolymers: Poly(vinylferrocene)-b-poly(lactide) Diblock and Miktoarm Star Polymers and Their Behavior in Solution. <i>Organometallics</i> , <b>2013</b> , 32, 6033-6039	3.8	25
265	One-pot synthesis of poly(l-lactide) multi-arm star copolymers based on a polyester polyol macroinitiator. <i>Polymer</i> , <b>2013</b> , 54, 1993-2000	3.9	11
264	Grafting of hyperbranched polymers: From unusual complex polymer topologies to multivalent surface functionalization. <i>Polymer</i> , <b>2013</b> , 54, 5443-5455	3.9	68
263	Monomer Sequence Distribution Monitoring in Living Carbanionic Copolymerization by Real-Time 1H NMR Spectroscopy. <i>Macromolecules</i> , <b>2013</b> , 46, 8467-8471	5.5	39
262	ABA Triblock Copolymers Based on Linear Poly(oxymethylene) and Hyperbranched Poly(glycerol): Combining Polyacetals and Polyethers. <i>Macromolecules</i> , <b>2013</b> , 46, 8845-8852	5.5	18
261	Polydispersity and Molecular Weight Distribution of Hyperbranched Graft Copolymers via Hypergrafting of AB <sub>m</sub> Monomers from Polydisperse Macroinitiator Cores: Theory Meets Synthesis. <i>Macromolecules</i> , <b>2013</b> , 46, 5823-5830	5.5	26
260	One-step synthesis of multi-alkyne functional hyperbranched polyglycerols by copolymerization of glycidyl propargyl ether and glycidol. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4730	4.9	23
259	Block copolymers in giant unilamellar vesicles with proteins or with phospholipids. <i>Faraday Discussions</i> , <b>2013</b> , 166, 303-15	3.6	10
258	From Biocompatible to Biodegradable: Poly(Ethylene Glycol)s with Predetermined Breaking Points. <i>Advances in Polymer Science</i> , <b>2013</b> , 167-190	1.3	12
257	Stable, hydroxyl functional polycarbonates with glycerol side chains synthesized from CO <sub>2</sub> and isopropylidene(glycerol glycidyl ether). <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 150-5	4.8	37
256	Impact of Amino-Functionalization on the Response of Poly(ethylene glycol) (PEG) to External Stimuli. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 128-131	6.6	12
255	Electrocatalytic Properties of Carbosilane-Based Hyperbranched Polymers Functionalized with Interacting Ferrocenyl Units. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 44-53	2.3	15
254	Ferrocenyl Glycidyl Ether: A Versatile Ferrocene Monomer for Copolymerization with Ethylene Oxide to Water-Soluble, Thermoresponsive Copolymers. <i>Macromolecules</i> , <b>2013</b> , 46, 647-655	5.5	66
253	Hyperbranched aliphatic polyether polyols. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 995-1019	2.5	50
252	Combining Ring-Opening Multibranching and RAFT Polymerization: Multifunctional Linear Hyperbranched Block Copolymers via Hyperbranched Macro-Chain-Transfer Agents. <i>Macromolecules</i> , <b>2013</b> , 46, 2892-2904	5.5	26
251	Poly(1,2-glycerol carbonate): A Fundamental Polymer Structure Synthesized from CO <sub>2</sub> and Glycidyl Ethers. <i>Macromolecules</i> , <b>2013</b> , 46, 3280-3287	5.5	80
250	Enlarging the Toolbox: Epoxide Termination of Polyferrocenylsilane (PFS) as a Key Step for the Synthesis of Amphiphilic PFS-Polyether Block Copolymers. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 313-316	6.6	24
249	Universal concept for the implementation of a single cleavable unit at tunable position in functional poly(ethylene glycol)s. <i>Biomacromolecules</i> , <b>2013</b> , 14, 448-59	6.9	39

248	Anionic Polymerization of -(1-Ethoxy ethoxy)styrene: Rapid Access to Poly(-hydroxystyrene) Copolymer Architectures.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 409-413	6.6	15
247	Supramolecular Linear-g-Hyperbranched Graft Polymers: Topology and Binding Strength of Hyperbranched Side Chains. <i>Macromolecules</i> , <b>2013</b> , 46, 9544-9553	5.5	47
246	CO <sub>2</sub> -Based Non-ionic Surfactants: Solvent-Free Synthesis of Poly(ethylene glycol)-block-Poly(propylene carbonate) Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 2848-2855	2.6	24
245	Micellar interactions in water-AOT based droplet microemulsions containing hydrophilic and amphiphilic polymers. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 184903	3.9	10
244	Propargyl-functional aliphatic polycarbonate obtained from carbon dioxide and glycidyl propargyl ether. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1395-400	4.8	31
243	Aminofunctional polyethers: smart materials for applications in solution and on surfaces. <i>Polymer International</i> , <b>2013</b> , 62, 849-859	3.3	12
242	From CO <sub>2</sub> -Based Multifunctional Polycarbonates With a Controlled Number of Functional Groups to Graft Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 892-901	2.6	39
241	Structure Formation of Polymeric Building Blocks: Complex Polymer Architectures. <i>Advances in Polymer Science</i> , <b>2013</b> , 115-210	1.3	5
240	Directing the self-assembly of semiconducting copolymers: the consequences of grafting linear or hyperbranched polyether side chains. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1213-9	4.8	8
239	Microflow Technology in Polymer Synthesis. <i>Macromolecules</i> , <b>2012</b> , 45, 9551-9570	5.5	148
238	Squaric acid mediated chemoselective PEGylation of proteins: reactivity of single-step-activated amino poly(ethylene glycol)s. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16828-35	4.8	23
237	Squaric acid mediated synthesis and biological activity of a library of linear and hyperbranched poly(glycerol)-protein conjugates. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1161-71	6.9	58
236	Water-Soluble Poly(vinylferrocene)-b-Poly(ethylene oxide) Diblock and Miktoarm Star Polymers. <i>Macromolecules</i> , <b>2012</b> , 45, 3409-3418	5.5	46
235	N,N-Diallylglycidylamine: A Key Monomer for Amino-Functional Poly(ethylene glycol) Architectures. <i>Macromolecules</i> , <b>2012</b> , 45, 4581-4589	5.5	43
234	Water-Soluble Poly(propylene oxide) by Random Copolymerization of Propylene Oxide with a Protected Glycidol Monomer. <i>Macromolecules</i> , <b>2012</b> , 45, 3039-3046	5.5	36
233	Branched Acid-Degradable, Biocompatible Polyether Copolymers via Anionic Ring-Opening Polymerization Using an Epoxide Inimer. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 1094-1097	6.6	49
232	Stimuli-responsive y-shaped polymer brushes based on junction-point-reactive block copolymers. <i>Advanced Materials</i> , <b>2012</b> , 24, 5559-63	24	34
231	P(HPMA)-block-P(LA) copolymers in paclitaxel formulations: polylactide stereochemistry controls micellization, cellular uptake kinetics, intracellular localization and drug efficiency. <i>Journal of Controlled Release</i> , <b>2012</b> , 163, 63-74	11.7	29

230	How Structure-Related Collapse Mechanisms Determine Nanoscale Inhomogeneities in Thermo-responsive Polymers. <i>Macromolecules</i> , <b>2012</b> , 45, 7535-7548	5.5	16
229	Linear-Hyperbranched Graft-Copolymers via Grafting-to Strategy Based on Hyperbranched Dendron Analogues and Reactive Ester Polymers. <i>Macromolecules</i> , <b>2012</b> , 45, 5901-5910	5.5	34
228	Functional PEG-based polymers with reactive groups via anionic ROP of tailor-made epoxides. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1714	4.9	78
227	Hyperbranched Poly(propylene oxide): A Multifunctional Backbone-Thermo-responsive Polyether Polyol Copolymer. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 888-891	6.6	51
226	Controlled Synthesis of Linear Polymers with Highly Branched Side Chains by "Hypergrafting": Poly(4-hydroxy styrene)-hyperbranched Polyglycerol. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 461-464	6.6	35
225	Long-Chain Branched Poly(Lactide)s Based on Polycondensation of AB <sub>2</sub> -type Macromonomers. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1349-1358	2.6	17
224	Synthesis of Oxetane-Functional Aliphatic Polyesters via Enzymatic Polycondensation. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1783-1790	2.6	18
223	Thermo-responsive copolymers of ethylene oxide and N,N-diethyl glycidyl amine: polyether polyelectrolytes and PEGylated gold nanoparticle formation. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 1556-61	4.8	22
222	Polysiloxane-backbone block copolymers in a one-pot synthesis: a silicone platform for facile functionalization. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 1861-7	4.8	36
221	Mixed layers of DPPC and a linear poly(ethylene glycol)-b-hyperbranched poly(glycerol) block copolymer having a cholesteryl end group. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 579-588	2.4	8
220	Poly(ethylene glycol-co-allyl glycidyl ether)s: a PEG-based modular synthetic platform for multiple bioconjugation. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 436-44	6.3	92
219	Hyperbranched E-Conjugated Polymers <b>2011</b> , 273-300		1
218	Ring-Opening Multibranching Polymerization <b>2011</b> , 175-202		1
217	Polycondensation of AB <sub>x</sub> Monomers <b>2011</b> , 27-77		1
216	Synthesis of Hyperbranched Polymers via Polymerization of Functionally Symmetric Monomer Pairs <b>2011</b> , 79-106		3
215	Promising Dendritic Materials: An Introduction to Hyperbranched Polymers <b>2011</b> , 1-26		15
214	Synthesis of Hyperbranched Polymers via Polymerization of Asymmetric Monomer Pairs <b>2011</b> , 107-138		5
213	Self-Condensing Vinyl Polymerization <b>2011</b> , 139-174		6

212	Hyperbranched Copolymers Synthesized by Cocondensation and Radical Copolymerization <b>2011</b> , 203-226		2
211	Degree of Branching (DB) <b>2011</b> , 301-316		1
210	Influence of Branching Architecture on Polymer Properties <b>2011</b> , 317-331		1
209	Biological and Medical Applications of Hyperbranched Polymers <b>2011</b> , 387-413		6
208	Kinetic Theory of Hyperbranched Polymerization <b>2011</b> , 333-367		4
207	Hyperbranched and Dendritic Polyolefins Prepared by Transition Metal Catalyzed Polymerization <b>2011</b> , 251-271		1
206	Convergent Synthesis of Hyperbranched Polymers and Related Approaches <b>2011</b> , 227-249		
205	Introducing an amine functionality at the block junction of amphiphilic block copolymers by anionic polymerization strategies. <i>Chemical Communications</i> , <b>2011</b> , 47, 8964-6	5.8	21
204	PEG-based Multifunctional Polyethers with Highly Reactive Vinyl-Ether Side Chains for Click-Type Functionalization. <i>Macromolecules</i> , <b>2011</b> , 44, 6326-6334	5.5	66
203	Synthesis of Water-Soluble Copolymers Carrying Long-Chain (C12 to C30) Aliphatic Moieties. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1648-1653	2.6	1
202	Organobase-Catalyzed Synthesis of Multiarm Star Polylactide With Hyperbranched Poly(ethylene glycol) as the Core. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 2478-2486	2.6	17
201	Towards the generation of self-healing materials by means of a reversible photo-induced approach. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 468-73	4.8	173
200	Oligo(glycerol) methacrylate macromonomers. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1910-5	4.8	15
199	From an epoxide monomer toolkit to functional PEG copolymers with adjustable LCST behavior. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1930-4	4.8	36
198	Multifunktionelle Poly(ethylenglycole). <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8136-8146	3.6	13
197	Multifunctional Poly(ethylene glycol)s. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7988-97	16.4	150
196	Die vielen Gesichter des Poly(ethylenglykol)s. <i>Chemie in Unserer Zeit</i> , <b>2011</b> , 45, 338-349	0.2	27
195	Interaction between a water-in-oil microemulsion and a linear-dendritic poly(propylene oxide)polyglycerol block copolymer. <i>Soft Matter</i> , <b>2011</b> , 7, 10879	3.6	14

194	Langmuir and Langmuir-Blodgett films of multifunctional, amphiphilic polyethers with cholesterol moieties. <i>Langmuir</i> , <b>2011</b> , 27, 1978-89	4	21
193	Rapid Access to Polyfunctional Lipids with Complex Architecture via Oxyanionic Ring-Opening Polymerization. <i>Macromolecules</i> , <b>2011</b> , 44, 4648-4657	5.5	43
192	Partially quarternized amino functional poly(methacrylate) terpolymers: versatile drug permeability modifiers. <i>Biomacromolecules</i> , <b>2011</b> , 12, 425-31	6.9	4
191	Mesogen-Initiated Linear Polyglycerol Isomers: The Ordering Effect of a Single Cholesterol Unit on Sticky Isotropic Chains. <i>Macromolecules</i> , <b>2011</b> , 44, 6767-6775	5.5	10
190	A Combined DPE/Epoxide Termination Strategy for Hydroxyl End-Functional Poly(2-vinylpyridine) and Amphiphilic AB <sub>2</sub> -Miktoarm Stars. <i>Macromolecules</i> , <b>2011</b> , 44, 9887-9890	5.5	24
189	Phase Behavior of the System Linear Polyglycerol + Methanol + Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2927-2931	2.8	7
188	Correlations between Ion Conductivity and Polymer Dynamics in Hyperbranched Poly(ethylene oxide) Electrolytes for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2685-2688	9.6	56
187	Linear-dendritic block copolymers: The state of the art and exciting perspectives. <i>Progress in Polymer Science</i> , <b>2011</b> , 36, 1-52	29.6	223
186	Hyperbranched polyglycerol-based lipids via oxyanionic polymerization: toward multifunctional stealth liposomes. <i>Biomacromolecules</i> , <b>2010</b> , 11, 568-74	6.9	67
185	Hyperbranched polyglycerols: from the controlled synthesis of biocompatible polyether polyols to multipurpose applications. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 129-41	24.3	462
184	Multihydroxyl-Functional Polystyrenes in Continuous Flow. <i>Macromolecules</i> , <b>2010</b> , 43, 5582-5588	5.5	39
183	Chiroptical Induction and Molecular Recognition in Optically Active Hyperbranched Polyethers with Inherently Chiral Benzophenone Core. <i>Macromolecules</i> , <b>2010</b> , 43, 9583-9587	5.5	8
182	Soluble Hyperbranched Poly(glycolide) Copolymers. <i>Macromolecules</i> , <b>2010</b> , 43, 8539-8548	5.5	23
181	Functional Poly(ethylene glycol)-PEG-Based Random Copolymers with 1,2-Diol Side Chains and Terminal Amino Functionality. <i>Macromolecules</i> , <b>2010</b> , 43, 8511-8518	5.5	56
180	Amino Functional Poly(ethylene glycol) Copolymers via Protected Amino Glycidol. <i>Macromolecules</i> , <b>2010</b> , 43, 2244-2251	5.5	79
179	Rapid Synthesis and MALDI-ToF Characterization of Poly(ethylene oxide) Multiarm Star Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 35-44	2.6	12
178	Multihydroxy-Functional Polysilanes via an Acetal Protecting Group Strategy. <i>Macromolecules</i> , <b>2010</b> , 43, 8462-8467	5.5	12
177	Poly(isoglycerol methacrylate)-b-poly(d or l-lactide) Copolymers: A Novel Hydrophilic Methacrylate as Building Block for Supramolecular Aggregates. <i>Macromolecules</i> , <b>2010</b> , 43, 3314-3324	5.5	44

176	Poly(glycolide) multi-arm star polymers: Improved solubility via limited arm length. <i>Beilstein Journal of Organic Chemistry</i> , <b>2010</b> , 6,	2.5	17
175	$\beta$ -Heterotelechelic Hyperbranched Polyethers Solubilize Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 932-939	2.6	14
174	Hetero-Multifunctional Poly(ethylene glycol) Copolymers with Multiple Hydroxyl Groups and a Single Terminal Functionality. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 258-64	4.8	52
173	Synthesis, Characterization and Preliminary Biological Evaluation of P(HPMA)-b-P(LLA) Copolymers: A New Type of Functional Biocompatible Block Copolymer. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 1492-500	4.8	32
172	Hyperbranched PEG by random copolymerization of ethylene oxide and glycidol. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 1811-5	4.8	50
171	A road less traveled to functional polymers: epoxide termination in living carbanionic polymer synthesis. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 1938-47	4.8	33
170	Entanglement transition in hyperbranched polyether-polyols. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 2127-32	4.8	26
169	Phase behavior of the system hyperbranched polyglycerol+methanol+carbon dioxide. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 299, 252-258	2.5	15
168	Branched versus linear oligo(dimethylsiloxane): Differences in their thermodynamic interaction with solvents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 1309-1318	2.6	9
167	Electroactive linear-hyperbranched block copolymers based on linear poly(ferrocenylsilane)s and hyperbranched poly(carbosilane)s. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9068-77	4.8	62
166	Branched Versus Linear Polyisoprene: Flory-Huggins Interaction Parameters for their Solutions in Cyclohexane. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1433-1439	2.6	12
165	Hyperbranched-linear-hyperbranched ABA-type block copolymers based on poly(ethylene oxide) and polyglycerol. <i>Polymer International</i> , <b>2009</b> , 58, 989-995	3.3	40
164	Ferrocenyl-functionalized long chain branched polydienes. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2518-2529	2.5	12
163	Photocatalytic printing of inorganic nanopatterns via poly(styrene-block-carbosilane) copolymer thin films on titania substrates. <i>Chemical Communications</i> , <b>2009</b> , 1091-3	5.8	4
162	Synthesis and noncovalent protein conjugation of linear-hyperbranched PEG-poly(glycerol) alpha,omega(n)-telechelics. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7954-5	16.4	105
161	Hyperbranched Polyglycerols with Elevated Molecular Weights: A Facile Two-Step Synthesis Protocol Based on Polyglycerol Macroinitiators. <i>Macromolecules</i> , <b>2009</b> , 42, 3230-3236	5.5	107
160	Inimer-Promoted Synthesis of Branched and Hyperbranched Polylactide Copolymers. <i>Macromolecules</i> , <b>2009</b> , 42, 9443-9456	5.5	50
159	Poly(lactide)-block-Poly(HEMA) Block Copolymers: An Orthogonal One-Pot Combination of ROP and ATRP, Using a Bifunctional Initiator. <i>Macromolecules</i> , <b>2009</b> , 42, 5622-5628	5.5	104

158	Ionic Liquids on Demand in Continuous Flow. <i>Organic Process Research and Development</i> , <b>2009</b> , 13, 961-964	5.4	27
157	Hyperbranched Polycarbosilanes and Polycarbosiloxanes via Hydrosilylation Polymerization. <i>Advances in Silicon Science</i> , <b>2009</b> , 345-375		3
156	Incorporation of a Photosensitizer Core within Hyperbranched Polyether Polyols: Effect of the Branched Shell on the Core Properties. <i>Macromolecules</i> , <b>2008</b> , 41, 1189-1195	5.5	15
155	Amphiphilic Linear-Hyperbranched Block Copolymers with Linear Poly(ethylene oxide) and Hyperbranched Poly(carbosilane) Block. <i>Macromolecules</i> , <b>2008</b> , 41, 9602-9611	5.5	44
154	Double-Hydrophilic Linear-Hyperbranched Block Copolymers Based on Poly(ethylene oxide) and Poly(glycerol). <i>Macromolecules</i> , <b>2008</b> , 41, 1184-1188	5.5	104
153	Synthesis and Characterization of Poly(glyceryl glycerol) Block Copolymers. <i>Macromolecules</i> , <b>2008</b> , 41, 1909-1911	5.5	58
152	Photocatalysis within hyperbranched polyethers with a benzophenone core. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 4680-3	4.2	11
151	Systematic investigation of functional core variation within hyperbranched polyglycerols. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 2049-2061	2.5	18
150	Branched and Functionalized Polybutadienes by a Facile Two-Step Synthesis. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 675-684	2.6	31
149	Microstructured Reactors for Polymer Synthesis: A Renaissance of Continuous Flow Processes for Tailor-Made Macromolecules?. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 343-356	2.6	103
148	Carbanions on Tap – Living Anionic Polymerization in a Microstructured Reactor. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 1106-1114	2.6	57
147	Gold nanoparticles coated with a thermosensitive hyperbranched polyelectrolyte: towards smart temperature and pH nanosensors. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2227-30	16.4	143
146	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 2259-2262	3.6	9
145	Electrochemical and bioelectrocatalytic properties of novel block-copolymers containing interacting ferrocenyl units. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 2803-2811	2.3	26
144	Pencil Lead as a Matrix for MALDI-ToF Mass Spectrometry of Sensitive Functional Polymers. <i>Macromolecules</i> , <b>2007</b> , 40, 746-751	5.5	22
143	Synthesis of Hyperbranched Polyglycerol in a Continuous Flow Microreactor. <i>Chemical Engineering and Technology</i> , <b>2007</b> , 30, 1519-1524	2	51
142	Water-Soluble Fluorescent Ag Nanoclusters Obtained from Multiarm Star Poly(acrylic acid) as Molecular Hydrogel Templates. <i>Advanced Materials</i> , <b>2007</b> , 19, 349-352	24	242
141	Novel Multifunctional Polymeric Photoinitiators and Photo-Coinitiators Derived from Hyperbranched Polyglycerol. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1694-1706	2.6	32



140	Multi-Arm Star Poly(L-lactide) with Hyperbranched Polyglycerol Core. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1657-1665	2.6	68
139	A Facile Two-Step Route to Branched Polyisoprenes via AB <sub>n</sub> -Macromonomers. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 704-709	4.8	28
138	Water-soluble polyesters from long chain alkylesters of citric acid and poly(ethylene glycol). <i>European Polymer Journal</i> , <b>2007</b> , 43, 1288-1301	5.2	5
137	Branched versus linear polyisoprene: Fractionation and phase behavior. <i>European Polymer Journal</i> , <b>2007</b> , 43, 4236-4243	5.2	16
136	Multiair star polyglycerol-block-poly(HEMA) as a versatile precursor for the preparation of micellar nanocapsules with different properties. <i>Reactive and Functional Polymers</i> , <b>2007</b> , 67, 156-164	4.6	24
135	Novel multifunctional hyperbranched polymeric photoinitiators with built-in amine coinitiators for UV curing. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 3389		38
134	Miscibility and properties of linear poly(l-lactide)/branched poly(l-lactide) copolyester blends. <i>Polymer</i> , <b>2006</b> , 47, 3740-3746	3.9	28
133	Hockey-Puck micelles from oligo(p-benzamide)-b-PEG rod-coil block copolymers. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2969-75	16.4	57
132	Multi-Arm Star Polyglycerol-block-poly(tert-butyl acrylate) and the Respective Multi-Arm Poly(acrylic acid) Stars. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 57-64	2.6	61
131	Supramolecular Thermotropic Liquid Crystalline Materials with Nematic Mesophase Based on Methylated Hyperbranched Polyethylenimine and Mesogenic Carboxylic Acid. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 69-75	4.8	27
130	Hybrid organic-inorganic nanostructures fabricated from layer-by-layer self-assembled multilayers of hyperbranched polyglycerols and phosphorus dendrimers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3871-6	1.3	11
129	Linear-Hyperbranched Block Copolymers Consisting of Polystyrene and Dendritic Poly(carbosilane) Block. <i>Macromolecules</i> , <b>2006</b> , 39, 971-977	5.5	54
128	Hyperbranched Polylactide Copolymers. <i>Macromolecules</i> , <b>2006</b> , 39, 1719-1723	5.5	87
127	Synthesis of multiarm star poly(glycerol)-block-poly(2-hydroxyethyl methacrylate). <i>Biomacromolecules</i> , <b>2006</b> , 7, 919-26	6.9	53
126	Makromolekulare Chemie 2005. <i>Nachrichten Aus Der Chemie</i> , <b>2006</b> , 54, 292-300	0.1	1
125	Optically active amphiphilic hyperbranched polyglycerols as templates for palladium nanoparticles. <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 1837-1844	2.7	21
124	Negatively charged hyperbranched polyether-based polyelectrolytes. <i>Colloid and Polymer Science</i> , <b>2006</b> , 284, 1293-1301	2.4	8
123	Complex of Hyperbranched Polyethylenimine with Cuprous Halide as Recoverable Homogeneous Catalyst for the Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , <b>2006</b> , 39, 2092-2099	5.5	28

122	Controlled crystallization of CaCO <sub>3</sub> on hyperbranched polyglycerol adsorbed to self-assembled monolayers. <i>Langmuir</i> , <b>2005</b> , 21, 3987-91	4	36
121	Synergistic assembly of hyperbranched polyethylenimine and fatty acids leading to unusual supramolecular nanocapsules. <i>Chemical Communications</i> , <b>2005</b> , 755-7	5.8	45
120	Role of Topology and Amphiphilicity for Guest Encapsulation in Functionalized Hyperbranched Poly(ethylenimine)s. <i>Macromolecules</i> , <b>2005</b> , 38, 227-229	5.5	91
119	Relationship between the structure of amphiphilic copolymers and their ability to disturb lipid bilayers. <i>Biochemistry</i> , <b>2005</b> , 44, 4042-54	3.2	135
118	Enzyme-Catalyzed Synthesis of Hyperbranched Aliphatic Polyesters. <i>ACS Symposium Series</i> , <b>2005</b> , 354-365.4		3
117	Rod-Length Dependent Aggregation in a Series of Oligo(p-benzamide)-Block-Poly(ethylene glycol) Rod-Coil Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 2067-2074	2.6	31
116	Aliphatic Hyperbranched Copolyesters by Combination of ROP and AB <sub>2</sub> -Polycondensation. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 2421-2428	2.6	30
115	Linear-Hyperbranched Amphiphilic AB Diblock Copolymers Based on Polystyrene and Hyperbranched Polyglycerol. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 862-867	4.8	62
114	Soluble oligoamide precursors--a novel class of building blocks for rod-coil architectures. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2170-6	4.8	33
113	Synthesis of reactive hyperbranched and star-like polyethers and their use for toughening of vinyl ester/urethane hybrid resins. <i>Polymer</i> , <b>2004</b> , 45, 1185-1195	3.9	53
112	Synthesis and supramolecular association of immobilized NCN-pincer platinum(II) complexes on hyperbranched polyglycerol supports. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1267-73	4.8	49
111	Vapor-liquid equilibria in dendrimer and hyperbranched polymer solutions: experimental data and modeling using UNIFAC-FV. <i>Fluid Phase Equilibria</i> , <b>2004</b> , 221, 83-96	2.5	18
110	Electron-transfer reduction of selected alcohols with alkalide K <sup>+</sup> K <sup>+</sup> (15-crown-5) <sub>2</sub> via organometallic intermediates. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 2361-2367	2.3	2
109	Reactive core/shell type hyperbranched block copolyethers as new liquid rubbers for epoxy toughening. <i>Polymer</i> , <b>2004</b> , 45, 2155-2164	3.9	68
108	Non-linear effect of 18-crown-6 in propylene oxide polymerization with potassium glycidoxide used as the inimer. <i>Polymer</i> , <b>2004</b> , 45, 7047-7051	3.9	8
107	Hyperbranched Polymers: Structure of Hyperbranched Polyglycerol and Amphiphilic Poly(glycerol ester)s in Dilute Aqueous and Nonaqueous Solution. <i>Macromolecules</i> , <b>2004</b> , 37, 8394-8399	5.5	66
106	Optically Active Hyperbranched Polyglycerol as Scaffold for Covalent and Noncovalent Immobilization of Platinum(II) NCN-Pincer Complexes. Catalytic Application and Recovery. <i>Organometallics</i> , <b>2004</b> , 23, 1525-1532	3.8	61
105	From Random Coil to Extended Nanocylinder: Dendrimer Fragments Shape Polymer Chains <b>2003</b> , 306-313		

104	Form fluctuations of carbosilane dendrimers in dilute solution: a study using neutron spin echo spectroscopy. <i>Colloid and Polymer Science</i> , <b>2003</b> , 281, 593-600	2.4	9
103	Linear-dendritic nonionic poly(propylene oxide)-polyglycerol surfactants. <i>Tetrahedron</i> , <b>2003</b> , 59, 4017-4024	16.4	91
102	Dendritic polymers in biomedical applications: from potential to clinical use in diagnostics and therapy. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1329-34	16.4	560
101	Enzyme-Catalyzed Synthesis of Hyperbranched Aliphatic Polyesters. <i>Macromolecular Rapid Communications</i> , <b>2002</b> , 23, 292-296	4.8	79
100	Experimental data and theoretical considerations on vapor-liquid and liquid-liquid equilibria of hyperbranched polyglycerol and PVA solutions. <i>Fluid Phase Equilibria</i> , <b>2002</b> , 201, 359-379	2.5	43
99	Hyperverzweigte Polymere: von baumartigen Makromolekülen zu Funktionsmaterialien. <i>Nachrichten Aus Der Chemie</i> , <b>2002</b> , 50, 1218-1224	0.1	2
98	Carboxylated and Sulfonated Poly(arylene-co-arylene sulfone)s: Thermostable Polyelectrolytes for Fuel Cell Applications. <i>Macromolecules</i> , <b>2002</b> , 35, 7936-7941	5.5	86
97	Encapsulation of Hydrophilic Pincer-Platinum(II) Complexes in Amphiphilic Hyperbranched Polyglycerol Nanocapsules. <i>Macromolecules</i> , <b>2002</b> , 35, 5734-5737	5.5	92
96	Dendritic polyglycerol: a new versatile biocompatible-material. <i>Reviews in Molecular Biotechnology</i> , <b>2002</b> , 90, 257-67		281
95	Hyperbranched molecular nanocapsules: comparison of the hyperbranched architecture with the perfect linear analogue. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 9698-9	16.4	279
94	Organic-organic hybrid networks by the sol-gel process and subsequent photopolymerization. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 4274-4282	2.5	24
93	Hyperbranched polyesters and their application in dental composites: monomers for low shrinking composites. <i>Polymers for Advanced Technologies</i> , <b>2001</b> , 12, 346-354	3.2	46
92	Organic-organic Hybrid Nanocomposites Prepared by Means of Sol-Gel Condensation of Bismethacrylatesilanes in Reactive Diluents. <i>Advanced Functional Materials</i> , <b>2001</b> , 11, 425	15.6	27
91	Acrylate-Terminated Macromonomers by Michael Addition. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 3484-3489	2.6	8
90	Bismethacrylate-Based Hybrid Monomers via Michael-Addition Reactions. <i>Macromolecules</i> , <b>2001</b> , 34, 5778-5785	5.5	39
89	Synthesis of Hyperbranched Aromatic Homo- and Copolyesters via the Slow Monomer Addition Method. <i>Macromolecules</i> , <b>2001</b> , 34, 7692-7698	5.5	60
88	Control of the molecular weight of hyperbranched polyglycerols. <i>Macromolecular Symposia</i> , <b>2001</b> , 163, 67-74	0.8	35
87	Hyperbranched polyglycerols by ring-opening multibranching polymerization. <i>Macromolecular Symposia</i> , <b>2000</b> , 153, 187-196	0.8	38

86	Synthesis of poly(glycerol)-block-poly(methyl acrylate) multi-arm star polymers. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 226-230	4.8	68
85	Role of cyclization in the synthesis of hyperbranched aliphatic polyesters. <i>Macromolecular Chemistry and Physics</i> , <b>2000</b> , 201, 782-791	2.6	113
84	Multi-arm star block copolymers based on $\epsilon$ -caprolactone with hyperbranched polyglycerol core. <i>Macromolecular Chemistry and Physics</i> , <b>2000</b> , 201, 792-797	2.6	58
83	Macromolecular-Multisite Catalysts Obtained by Grafting Diaminoaryl Palladium(ii) Complexes onto a Hyperbranched-Polytrialkylsilane Support. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3587-3589	3.6	9
82	Controlling the growth of polymer trees: concepts and perspectives for hyperbranched polymers. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 2499-506	4.8	255
81	Macromolecular-Multisite Catalysts Obtained by Grafting Diaminoaryl Palladium(ii) Complexes onto a Hyperbranched-Polytrialkylsilane Support. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 3445-3447	16.4	78
80	Dendrimers: relationship between structure and biocompatibility in vitro, and preliminary studies on the biodistribution of <sup>125</sup> I-labelled polyamidoamine dendrimers in vivo. <i>Journal of Controlled Release</i> , <b>2000</b> , 65, 133-48	11.7	1054
79	Preparation of Catalytically Active Palladium Nanoclusters in Compartments of Amphiphilic Hyperbranched Polyglycerols. <i>Macromolecules</i> , <b>2000</b> , 33, 3958-3960	5.5	95
78	Chiral Hyperbranched Dendron Analogues. <i>Macromolecules</i> , <b>2000</b> , 33, 253-254	5.5	71
77	An Approach to Core-Shell-Type Architectures in Hyperbranched Polyglycerols by Selective Chemical Differentiation. <i>Macromolecules</i> , <b>2000</b> , 33, 8158-8166	5.5	135
76	Synthesis and Thermal Behavior of Esterified Aliphatic Hyperbranched Polyether Polyols. <i>Macromolecules</i> , <b>2000</b> , 33, 1330-1337	5.5	61
75	Hyperbranched Polyether Polyols Based on Polyglycerol: Polarity Design by Block Copolymerization with Propylene Oxide. <i>Macromolecules</i> , <b>2000</b> , 33, 309-314	5.5	111
74	Functional Poly(ethylene oxide) Multiarm Star Polymers: Core-First Synthesis Using Hyperbranched Polyglycerol Initiators. <i>Macromolecules</i> , <b>2000</b> , 33, 315-320	5.5	151
73	Copolymers of Glycidol and Glycidyl Ethers: Design of Branched Polyether Polyols by Combination of Latent Cyclic AB <sub>2</sub> and ABR Monomers. <i>Macromolecules</i> , <b>2000</b> , 33, 7682-7692	5.5	79
72	Multi-arm star block copolymers based on $\epsilon$ -caprolactone with hyperbranched polyglycerol core <b>2000</b> , 201, 792		1
71	Silicon-Based Dendrimers. <i>Topics in Current Chemistry</i> , <b>2000</b> , 69-129		71
70	Carbosilane Dendrimers [Synthesis, Functionalization, Application <b>1999</b> , 3-14		4
69	Dielectric relaxation in carbosilane dendrimers with cyanobiphenyl end groups. <i>Colloid and Polymer Science</i> , <b>1999</b> , 277, 1186-1192	2.4	18

68	Hyperverzweigte Polyetherpolyole mit flüssigkristallinen Eigenschaften. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3107-3110	3.6	6
67	Molekulare Nanokapseln auf der Basis von amphiphilen hyperverzweigten Polyglycerinen. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3758-3761	3.6	30
66	A Novel Phenol for Use in Convergent and Divergent Dendrimer Synthesis: Access to Core Functionalizable Trifurcate Carbosilane Dendrimers The X-ray Crystal Structure of [1,3,5-Tris{4-(triallylsilyl)phenylester}benzene]. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 2191-2197	4.8	18
65	Hyperbranched Polyether Polyols with Liquid Crystalline Properties. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2928-2930	16.4	56
64	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3552-3555	16.4	227
63	Styrene-vinylferrocene random and block copolymers by TEMPO-mediated radical polymerization. <i>Macromolecular Rapid Communications</i> , <b>1999</b> , 20, 203-209	4.8	28
62	Degree of branching in hyperbranched polymers. 3 Copolymerization of AB <sub>m</sub> -monomers with AB and AB <sub>n</sub> -monomers. <i>Acta Polymerica</i> , <b>1999</b> , 50, 67-76		151
61	Dielectric Relaxation in Carbosilane Dendrimers with Perfluorinated End Groups. <i>Macromolecules</i> , <b>1999</b> , 32, 1962-1966	5.5	38
60	Controlled Synthesis of Hyperbranched Polyglycerols by Ring-Opening Multibranching Polymerization. <i>Macromolecules</i> , <b>1999</b> , 32, 4240-4246	5.5	921
59	Silsesquioxane-Based Amphiphiles. <i>Langmuir</i> , <b>1999</b> , 15, 4752-4756	4	71
58	The superstructure of carbosilane dendrimers with perfluorinated end groups in bulk and in solution. <i>Macromolecular Symposia</i> , <b>1999</b> , 146, 33-39	0.8	11
57	Phasenverhalten von Poly(di-n-decylsilan). <i>Monatshefte für Chemie</i> , <b>1999</b> , 130, 175	1.4	2
56	Carbosilandendrimere Synthese, Funktionalisierung und Anwendung. <i>Monatshefte für Chemie</i> , <b>1999</b> , 130, 3	1.4	34
55	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3552-3555	16.4	16
54	Heteroatom-Based Dendrimers. <i>Advanced Materials</i> , <b>1998</b> , 10, 279-293	24	145
53	Ambient-Temperature Liquid-Crystalline Bismethacrylates Based on Cholesterol: Cholesteric and Smectic Thermosets. <i>Advanced Materials</i> , <b>1998</b> , 10, 864-868	24	16
52	Vom Knäuel zum gestreckten Nanozylinder: Dendrimerseitenketten bringen Polymere in Form. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2313-2318	3.6	20
51	From Random Coil to Extended Nanocylinder: Dendrimer Fragments Shape Polymer Chains. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2193-2197	16.4	122

50	Hyperbranched carbosilane oxazoline-macromonomers: polymerization and coupling to a trimesic acid core. <i>Macromolecular Rapid Communications</i> , <b>1998</b> , 19, 461-465	4.8	36
49	Thermodynamics of polymer blends of poly(isobutylene) and poly(dimethylsilylenemethylene). <i>Acta Polymerica</i> , <b>1998</b> , 49, 356-362		5
48	Segmental Dynamics in Dendrimers with Perfluorinated End Groups: A Study Using Quasielastic Neutron Scattering. <i>Macromolecules</i> , <b>1998</b> , 31, 5415-5423	5.5	57
47	Hyperbranched Polymers Prepared via the Core-Dilution/Slow Addition Technique: Computer Simulation of Molecular Weight Distribution and Degree of Branching. <i>Macromolecules</i> , <b>1998</b> , 31, 3790-3801	5.5	243
46	Enhancing the Degree of Branching of Hyperbranched Polymers by Postsynthetic Modification. <i>Macromolecules</i> , <b>1998</b> , 31, 2381-2383	5.5	66
45	Polymerization of polymer/ferroelectric liquid crystal composites formed with branched liquid crystalline bismethacrylates. <i>Liquid Crystals</i> , <b>1998</b> , 24, 263-270	2.3	8
44	Progress in controlled polymerization and design of novel polymer architectures. <i>Macromolecular Symposia</i> , <b>1997</b> , 121, 53-74	0.8	8
43	Thermal Properties of the Homologous Series of 8-fold Alkyl-Substituted Octasilsesquioxanes. <i>Chemistry of Materials</i> , <b>1997</b> , 9, 1475-1479	9.6	103
42	Organopalladium-Functionalized Dendrimers: Insertion of Palladium(0) into Peripheral Carbon-Bonded Bonds of Carbosilane Dendrimers Derived from Polyols. Crystal Structure of Si{(CH <sub>2</sub> ) <sub>3</sub> O <sub>2</sub> CC <sub>6</sub> H <sub>4</sub> I-4} <sub>4</sub> . <i>Organometallics</i> , <b>1997</b> , 16, 4167-4173	3.8	29
41	Carbosilane Dendrimers with Perfluoroalkyl End Groups. Core-Shell Macromolecules with Generation-Dependent Order. <i>Macromolecules</i> , <b>1997</b> , 30, 6860-6868	5.5	126
40	Ethene and Propene Copolymers Containing Silsesquioxane Side Groups. <i>Macromolecules</i> , <b>1997</b> , 30, 2818-2824	5.3	214
39	Degree of branching in hyperbranched polymers. <i>Acta Polymerica</i> , <b>1997</b> , 48, 30-35		655
38	Trends in polymer chemistry 1996. <i>Acta Polymerica</i> , <b>1997</b> , 48, 107-115		1
37	Hyperbranched polycarbosilane macromonomers bearing oxazoline functionalities. <i>Macromolecular Rapid Communications</i> , <b>1997</b> , 18, 253-260	4.8	66
36	Molecular force field study concerning the host properties of carbosilane dendrimers. <i>Macromolecular Theory and Simulations</i> , <b>1997</b> , 6, 371-380	1.5	16
35	Charge Carrier Mobilities in Substituted Polysilylenes: Influence of Backbone Conformation. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 5470-5480		31
34	Liquid Crystalline Thermosets Based on Branched Bismethacrylates. <i>Macromolecules</i> , <b>1996</b> , 29, 7003-7014	1.5	19
33	Solid State NMR Investigation of C1-Deuterated Poly(di-n-hexylsilylene). <i>Macromolecules</i> , <b>1996</b> , 29, 3320-3322	5.3	8

32	Synthesis and Photoinitiated Cationic Polymerization of 2-Methylene-7-phenyl-1,4,6,9-tetraoxaspiro[4.4]nonane. <i>Macromolecules</i> , <b>1996</b> , 29, 3111-3116	5.5	13
31	Synthesis of Poly(silylenemethylene)s Symmetrically Substituted with Alkyl Side Groups Containing 4 $\beta$ Carbon Atoms. <i>Macromolecules</i> , <b>1996</b> , 29, 3701-3706	5.5	31
30	Substrate-Induced Orientation of Poly(di-n-alkylsilylenes). <i>Langmuir</i> , <b>1996</b> , 12, 584-587	4	9
29	Miscibility of Poly(sila- $\beta$ -methylstyrene) with Polystyrene. <i>Macromolecules</i> , <b>1996</b> , 29, 1490-1497	5.5	6
28	Mono- and Multilayers of Mesogen-Substituted Carbosilane Dendrimers on Mica. <i>Macromolecules</i> , <b>1996</b> , 29, 8069-8076	5.5	69
27	Optical and charge transport properties of DI-n-hexyl substituted polysilylene and polygermylene. <i>Macromolecular Symposia</i> , <b>1996</b> , 102, 355-362	0.8	1
26	A mesogen-functionized carbosilane dendrimer: A dendritic liquid crystalline polymer. <i>Advanced Materials</i> , <b>1996</b> , 8, 414-416	24	163
25	Dendrimere [von der Ästhetik zur Anwendung?]. <i>Chemie in Unserer Zeit</i> , <b>1996</b> , 30, 75-85	0.2	19
24	Dendritic polyols based on carbosilanes - lipophilic dendrimers with hydrophilic skin. <i>Macromolecular Symposia</i> , <b>1996</b> , 102, 19-26	0.8	28
23	Synthesis and gel formation of amphiphilic semicarbazones containing saccharide units. <i>Colloid and Polymer Science</i> , <b>1995</b> , 273, 661-674	2.4	4
22	Photoinitiated cationic polymerization of 2-phenylsubstituted 4-methylene-1,3-dioxolanes. <i>Journal of Polymer Science Part A</i> , <b>1995</b> , 33, 587-592	2.5	11
21	Fullerene-End-Capped Polystyrenes. Monosubstituted Polymeric C60 Derivatives. <i>Macromolecules</i> , <b>1995</b> , 28, 403-405	5.5	83
20	Carbosilane-Based Dendritic Polyols. <i>Macromolecules</i> , <b>1995</b> , 28, 6657-6661	5.5	102
19	Structure and Chiroptical Properties of Bis[(S)-methylbutyl]silylene-Dipentylsilylene Copolymers. <i>Macromolecules</i> , <b>1995</b> , 28, 5498-5506	5.5	27
18	Charge carrier mobilities in liquid crystalline mesomorphic poly(DI-n-Alkylsilylene)s; influence of backbone conformation. <i>Macromolecular Symposia</i> , <b>1995</b> , 96, 219-228	0.8	1
17	Polysilylenes with ethynylphenyl substituents. <i>Acta Polymerica</i> , <b>1995</b> , 46, 45-49		2
16	Hydrosilylation of 1-alkenes with dichlorosilane. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 185-194		8
15	Crystalline and disordered state of poly(dihexylsilylene) copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 1181-1194	2.6	2

14	Synthesis and mesomorphic behavior of poly(dipropylsilylenemethylene). <i>Macromolecular Rapid Communications</i> , <b>1995</b> , 16, 363-372	4.8	14
13	Chiral Poly(dipentylsilylene) Copolymers. <i>Macromolecules</i> , <b>1994</b> , 27, 1814-1818	5.5	51
12	Anisotropic Radiation-Induced Conductivity in Oriented Poly(di-n-hexylsilylene) in the Solid Phase and in the Mesophase. <i>Macromolecules</i> , <b>1994</b> , 27, 1897-1904	5.5	30
11	Synthesis and properties of poly[bis(.gamma.-ethoxypropyl)silylene]. <i>Macromolecules</i> , <b>1993</b> , 26, 6231-6236	3.6	15
10	Highly oriented poly(di-n-alkylsilylene) films on oriented PTFE substrates. <i>Advanced Materials</i> , <b>1993</b> , 5, 917-919	2.4	27
9	Blending, gel drawing and UV-photolysis of ultrahigh molecular weight polyethylene and poly(di-n-pentylsilylene). <i>Colloid and Polymer Science</i> , <b>1993</b> , 271, 554-562	2.4	12
8	Radiation-induced conductivity in poly(methylphenylsilylene) and poly(di-n-hexylsilylene) studied by time-resolved microwave conductivity. <i>Macromolecules</i> , <b>1993</b> , 26, 89-93	5.5	30
7	FT-IR studies on the mechanical response of the crystalline fraction in ultrastrong polyethylene tapes. <i>Colloid and Polymer Science</i> , <b>1992</b> , 270, 440-445	2.4	7
6	Crystallization and mesomorphic disordering of di-n-hexylsilylene/di-n-pentylsilylene copolymers. <i>Colloid and Polymer Science</i> , <b>1991</b> , 269, 442-448	2.4	13
5	Order and thermochromism of poly(di-n-alkyl)silane copolymers. <i>Synthetic Metals</i> , <b>1991</b> , 42, 1571-1574	3.6	1
4	Synthesis and Characterization of Polysilanes. <i>Journal of Macromolecular Science Part A, Chemistry</i> , <b>1991</b> , 28, 1151-1176		32
3	Introducing a 1,1-diphenylethylene analogue for vinylpyridine: anionic copolymerisation of 3-(1-phenylvinyl)pyridine (m-PyPE). <i>Polymer Chemistry</i> ,	4.9	1
2	Phase Diagram of Tapered Copolymers Based on Isoprene and Styrene. <i>Macromolecular Chemistry and Physics</i> , 2200033	2.6	2
1	Polyethers Based on Short-Chain Alkyl Glycidyl Ethers: Thermoresponsive and Highly Biocompatible Materials. <i>Biomacromolecules</i> ,	6.9	0