Holger Frey

List of Publications by Year in descending order

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		15001	18400
401	20,641	68	124
papers	citations	h-index	g-index

428	428	428	15067
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational design of tapered multiblock copolymers for thermoplastic elastomers. Progress in Polymer Science, 2022, 124, 101488.	11.8	51
2	Introduction of Trifluoromethanesulfonamide Groups in Poly(ethylene oxide): Ionic Conductivity of Single-Ion-Conducting Block Copolymer Electrolytes. Macromolecules, 2022, 55, 1342-1353.	2.2	11
3	Ordering kinetics of a tapered copolymer based on isoprene and styrene. Journal of Chemical Physics, 2022, 156, 134904.	1.2	3
4	Dynamics of Poly(cyclohexene carbonate) as a Function of Molar Mass. ACS Applied Polymer Materials, 2022, 4, 3833-3843.	2.0	3
5	MyrDOL, a Protected Dihydroxyfunctional Diene Monomer Derived from Î²-Myrcene: Functional Polydienes from Renewable Resources via Anionic Polymerization. Macromolecules, 2022, 55, 4046-4055.	2.2	3
6	Polyethers Based on Short-Chain Alkyl Glycidyl Ethers: Thermoresponsive and Highly Biocompatible Materials. Biomacromolecules, 2022, 23, 2219-2235.	2.6	16
7	Anionic Copolymerization of 4-Trimethylsilylstyrene: From Kinetics to Gradient and Block Copolymers. Macromolecules, 2022, 55, 4721-4732.	2.2	4
8	Temperature Variation Enables the Design of Biobased Block Copolymers via Oneâ€Step Anionic Copolymerization. Macromolecular Rapid Communications, 2021, 42, 2000513.	2.0	9
9	The Unique Versatility of the Double Metal Cyanide (DMC) Catalyst: Introducing Siloxane Segments to Polypropylene Oxide by Ringâ€Opening Copolymerization. Macromolecular Rapid Communications, 2021, 42, e2000542.	2.0	9
10	Building Bridges by Blending: Morphology and Mechanical Properties of Binary Tapered Diblock/Multiblock Copolymer Blends. Macromolecular Chemistry and Physics, 2021, 222, 2000373.	1.1	6
11	The effect of THF and the chelating modifier DTHFP on the copolymerisation of Î²-myrcene and styrene: kinetics, microstructures, morphologies, and mechanical properties. Polymer Chemistry, 2021, 12, 4632-4642.	1.9	15
12	N-Oxide Polyethers as Kinetic Hydrate Inhibitors: Side Chain Ring Size Makes the Difference. Energy & Fuels, 2021, 35, 4067-4074.	2.5	10
13	Anionic Polymerization of Terpene Monomers: New Options for Bio-Based Thermoplastic Elastomers. Macromolecules, 2021, 54, 7323-7336.	2.2	52
14	Pioneering investigators 2021. Polymer Chemistry, 2021, 12, 1329-1346.	1.9	0
15	Unexpected Random Copolymerization of Propylene Oxide with Glycidyl Methyl Ether via Double Metal Cyanide Catalysis: Introducing Polarity in Polypropylene Oxide. Macromolecules, 2021, 54, 11228-11237.	2.2	11
16	Tapered copolymers of styrene and 4â€vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. Journal of Polymer Science, 2020, 58, 181-192.	2.0	4
17	Multifunctional Fe(III)â€Binding Polyethers from Hydroxamic Acidâ€Based Epoxide Monomers. Macromolecular Rapid Communications, 2020, 41, 1900282.	2.0	7
18	Celebrating 100 years of â€œpolymer scienceâ€: Hermann Staudinger's 1920 manifesto. Polymer Chemistry, 2020, 11, 8-14.	1.9	50

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19	pH-Responsive protein nanoparticlesviaconjugation of degradable PEG to the surface of cytochromec. Polymer Chemistry, 2020, 11, 551-559.	1.9	14
20	Acidâ€Cleavable Poly(ethylene glycol) Hydrogels Displaying Protein Release at pHâ€…5. Chemistry - A European Journal, 2020, 26, 2947-2953.	1.7	5
21	Hyperbranched polymer architectures: From Flory's AB(f-1) polycondensates to controlled structures. Polymer, 2020, 211, 123113.	1.8	10
22	â€œHardâ€•Sphere Behavior of â€œSoftâ€; Globular-like, Hyperbranched Polyglycerols â€“ Extensive Molecular Hydrodynamic and Light Scattering Studies. Macromolecules, 2020, 53, 9220-9233.	2.2	6
23	Stability of Alkyl Chain-Mediated Lipid Anchoring in Liposomal Membranes. Cells, 2020, 9, 2213.	1.8	10
24	Myrcenol-Based Monomer for Carbanionic Polymerization: Functional Copolymers with Myrcene and Bio-Based Graft Copolymers. Macromolecules, 2020, 53, 9008-9017.	2.2	20
25	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. Macromolecules, 2020, 53, 10397-10408.	2.2	44
26	Efficiency Boosting of Surfactants with Poly(ethylene oxide)-Poly(alkyl glycidyl ether)s: A New Class of Amphiphilic Polymers. Langmuir, 2020, 36, 9849-9866.	1.6	4
27	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
28	Tapered Multiblock Star Copolymers: Synthesis, Selective Hydrogenation, and Properties. Macromolecules, 2020, 53, 4422-4434.	2.2	20
29	Water-soluble hyperbranched polyglycerol photosensitizer for enhanced photodynamic therapy. Polymer Chemistry, 2020, 11, 3913-3921.	1.9	3
30	Targeting of Immune Cells with Trimannosylated Liposomes. Advanced Therapeutics, 2020, 3, 1900185.	1.6	11
31	Hydroxamic Acid: An Underrated Moiety? Marrying Bioinorganic Chemistry and Polymer Science. Biomacromolecules, 2020, 21, 2546-2556.	2.6	28
32	Longâ€Chain Alkyl Epoxides and Glycidyl Ethers: An Underrated Class of Monomers. Macromolecular Rapid Communications, 2020, 41, 2000225.	2.0	13
33	Tetrahydrofuran: More than a â€œRandomizerâ€•in the Living Anionic Copolymerization of Styrene and Isoprene: Kinetics, Microstructures, Morphologies, and Mechanical Properties. Macromolecules, 2020, 53, 5512-5527.	2.2	29
34	â€œDumbâ€•pH-Independent and Biocompatible Hydrogels Formed by Copolymers of Long-Chain Alkyl Glycidyl Ethers and Ethylene Oxide. Biomacromolecules, 2020, 21, 3152-3162.	2.6	8
35	Synthesis and Solution Processing of Nylonâ€5 Ferroelectric Thin Films: The Renaissance of Oddâ€Nylons?. Macromolecular Chemistry and Physics, 2020, 221, 1900468.	1.1	12
36	A Nonconventional Approach toward Multihydroxy Functional Polystyrenes Relying on a Simple Grignard Reagent. Macromolecules, 2020, 53, 3370-3379.	2.2	3

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37	Ester Functional Epoxide Monomers for Random and Gradient Poly(ethylene glycol) Polyelectrolytes with Multiple Carboxylic Acid Moieties. Macromolecules, 2020, 53, 3524-3534.	2.2	12
38	Amine N-Oxide Kinetic Hydrate Inhibitor Polymers for High-Salinity Applications. Energy & Fuels, 2020, 34, 6298-6305.	2.5	16
39	Local and Subchain Relaxation of Polyisoprene in Multiblock Copolymers with a Tapered Interface. Macromolecules, 2020, 53, 3042-3051.	2.2	7
40	Amino-functional polyethers: versatile, stimuli-responsive polymers. Polymer Chemistry, 2020, 11, 3940-3950.	1.9	17
41	Tapered copolymers of styrene and 4â€vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. Journal of Polymer Science, 2020, 58, 181-192.	2.0	0
42	Solution-processed transparent ferroelectric nylon thin films. Science Advances, 2019, 5, eaav3489.	4.7	36
43	Multi-olefin containing polyethers and triazolinediones: a powerful alliance. Polymer Chemistry, 2019, 10, 4699-4708.	1.9	12
44	Glycidyltosylat: Die Polymerisation eines â€œnicht polymerisierbarenâ€•Monomers ermÃ¶glicht eine universelle, polymeranaloge Funktionalisierung von Polyethern. Angewandte Chemie, 2019, 131, 13015-13018.	1.6	4
45	Glycidyl Tosylate: Polymerization of a â€œNonâ€Polymerizableâ€•Monomer permits Universal Postâ€Functionalization of Polyethers. Angewandte Chemie - International Edition, 2019, 58, 12883-12886.	7.2	12
46	Functionalization of Liposomes with Hydrophilic Polymers Results in Macrophage Uptake Independent of the Protein Corona. Biomacromolecules, 2019, 20, 2989-2999.	2.6	56
47	Monomer-activated Copolymerization of Ethylene Oxide and Epichlorohydrin: In Situ Kinetics Evidences Tapered Block Copolymer Formation. Chinese Journal of Polymer Science (English Edition), 2019, 37, 912-918.	2.0	7
48	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. Polymer Chemistry, 2019, 10, 1213-1220.	1.9	49
49	A general concept for the introduction of hydroxamic acids into polymers. Chemical Science, 2019, 10, 7009-7022.	3.7	10
50	Surface Modification of Nanoparticles and Nanovesicles via Click-Chemistry. Methods in Molecular Biology, 2019, 2000, 235-245.	0.4	3
51	Pioneering investigators 2019. Polymer Chemistry, 2019, 10, 2896-2905.	1.9	0
52	Effect of the Substituent Position on the Anionic Copolymerization of Styrene Derivatives: Experimental Results and Density Functional Theory Calculations. Macromolecules, 2019, 52, 4545-4554.	2.2	13
53	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. Polymer Chemistry, 2019, 10, 2863-2871.	1.9	40
54	Nonionic Aliphatic Polycarbonate Diblock Copolymers Based on CO₂, 1,2-Butylene Oxide, and mPEG: Synthesis, Micellization, and Solubilization. Langmuir, 2019, 35, 5221-5231.	1.6	11

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55	Phosphonylation Controls the Protein Corona of Multifunctional Polyglycerolâ€Modified Nanocarriers. Macromolecular Bioscience, 2019, 19, 1800468.	2.1	5
56	Aminal Protection of Epoxide Monomer Permits the Introduction of Multiple Secondary Amine Moieties at Poly(ethylene glycol). Macromolecular Rapid Communications, 2019, 40, 1900057.	2.0	4
57	Tapered Multiblock Copolymers Based on Isoprene and 4-Methylstyrene: Influence of the Tapered Interface on the Self-Assembly and Thermomechanical Properties. Macromolecules, 2019, 52, 1577-1588.	2.2	41
58	Poly(ethylene glycol) with Multiple Aldehyde Functionalities Opens up a Rich and Versatile Post-Polymerization Chemistry. Macromolecules, 2019, 52, 1785-1793.	2.2	22
59	Rapid one-pot synthesis of tapered star copolymers via ultra-fast coupling of polystyryllithium chain ends. Polymer Chemistry, 2019, 10, 1762-1768.	1.9	8
60	Convenient Access to Î±â€Aminoâ€‰â€Hydroxyl Heterobifunctional PEG and PPO via a Sacrificial Hexahydroâ€Triazine Star Strategy. Macromolecular Rapid Communications, 2019, 40, 1900020.	2.0	3
61	Oxidation-responsive polyether block copolymers lead to non-ionic polymer surfactants with multiple amine N-oxides. Polymer Chemistry, 2019, 10, 1569-1574.	1.9	7
62	Kinetics of Anionic Living Copolymerization of Isoprene and Styrene Using in Situ NIR Spectroscopy: Temperature Effects on Monomer Sequence and Morphology. Macromolecules, 2019, 52, 9299-9310.	2.2	26
63	Copolymerization of Isoprene with p-Alkylstyrene Monomers: Disparate Reactivity Ratios and the Shape of the Gradient. Macromolecules, 2019, 52, 796-806.	2.2	29
64	Comparison of Linear and Hyperbranched Polyether Lipids for Liposome Shielding by ¹⁸F-Radiolabeling and Positron Emission Tomography. Biomacromolecules, 2018, 19, 2506-2516.	2.6	20
65	Living Anionic Polymerization â€“ Part II: Further Expanding the Synthetic Versatility for Novel Polymer Architectures. Macromolecular Chemistry and Physics, 2018, 219, 1700567.	1.1	3
66	Functional Polycarbonates from Carbon Dioxide and Tailored Epoxide Monomers: Degradable Materials and Their Application Potential. Advanced Functional Materials, 2018, 28, 1704302.	7.8	141
67	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. Macromolecules, 2018, 51, 3527-3537.	2.2	63
68	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. Macromolecular Chemistry and Physics, 2018, 219, 1700376.	1.1	12
69	Polymerization of long chain alkyl glycidyl ethers: a platform for micellar gels with tailor-made melting points. Polymer Chemistry, 2018, 9, 5327-5338.	1.9	11
70	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. Macromolecules, 2018, 51, 10246-10258.	2.2	60
71	Crystalline CO₂â€Based Aliphatic Polycarbonates with Long Alkyl Chains. Macromolecular Rapid Communications, 2018, 39, e1800558.	2.0	7
72	Particles of vaterite, a metastable CaCO₃polymorph, exhibit high biocompatibility for human osteoblasts and endothelial cells and may serve as a biomaterial for rapid bone regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1754-1768.	1.3	16

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73	Anionic Copolymerization Enables the Scalable Synthesis of Alternating (AB)_n Multiblock Copolymers with High Molecular Weight in n/2 Steps. ACS Macro Letters, 2018, 7, 807-810.	2.3	36
74	One-Step Anionic Copolymerization Enables Formation of Linear Ultrahigh-Molecular-Weight Block Copolymer Films Featuring Vivid Structural Colors in the Bulk State. ACS Applied Materials & Interfaces, 2018, 10, 18202-18212.	4.0	35
75	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. Chemistry of Materials, 2018, 30, 4277-4288.	3.2	10
76	â€œClickable PEGâ€•via anionic copolymerization of ethylene oxide and glycidyl propargyl ether. Polymer Chemistry, 2017, 8, 1882-1887.	1.9	19
77	Conducting Polymer with Orthogonal Catechol and Disulfide Anchor Groups for the Assembly of Inorganic Nanostructures. Macromolecules, 2017, 50, 3779-3788.	2.2	6
78	Recent advances in the use of nanoparticles for allergenâ€specific immunotherapy. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 1461-1474.	2.7	58
79	Living Anionic Polymerization Celebrates 60 Years: Unique Features and Polymer Architectures. Macromolecular Chemistry and Physics, 2017, 218, 1700217.	1.1	10
80	Synthesis of linear polyglycerols with tailored degree of methylation by copolymerization and the effect on thermorheological behavior. Polymer, 2017, 121, 328-339.	1.8	6
81	Capitalizing on Protecting Groups to Influence Vinyl Catechol Monomer Reactivity and Monomer Gradient in Carbanionic Copolymerization. Macromolecular Chemistry and Physics, 2017, 218, 1600553.	1.1	11
82	Poly(Ethylene Glycol) Dimethacrylates with Cleavable Ketal Sites: Precursors for Cleavable PEGâ€Hydrogels. Macromolecular Bioscience, 2017, 17, 1600532.	2.1	15
83	Pd@Fe₂O₃ Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. Chemistry of Materials, 2017, 29, 1134-1146.	3.2	58
84	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. Macromolecules, 2017, 50, 8755-8764.	2.2	16
85	Multiarm Polycarbonate Star Polymers with a Hyperbranched Polyether Core from CO₂ and Common Epoxides. Macromolecules, 2017, 50, 6577-6585.	2.2	15
86	Rigid Hyperbranched Polycarbonate Polyols from CO₂ and Cyclohexene-Based Epoxides. Macromolecules, 2017, 50, 6088-6097.	2.2	22
87	Silver Oxide Mediated Monotosylation of Poly(ethylene glycol) (PEG): Heterobifunctional PEG via Polymer Desymmetrization. Macromolecules, 2017, 50, 9196-9206.	2.2	18
88	Well-Defined Multi-Amino-Functional and Stimuli-Responsive Poly(propylene oxide) by Crown Ether Assisted Anionic Ring-Opening Polymerization. Macromolecules, 2017, 50, 8885-8893.	2.2	35
89	Examples of xylochemistry: colorants and polymers. Green Chemistry, 2017, 19, 3780-3786.	4.6	17
90	Thioetherâ€Bearing Hyperbranched Polyether Polyols with Methionineâ€Like Sideâ€Chains: A Versatile Platform for Orthogonal Functionalization. Macromolecular Rapid Communications, 2017, 38, 1600457.	2.0	7

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91	Acid-Labile Surfactants Based on Poly(ethylene glycol), Carbon Dioxide and Propylene Oxide: Miniemulsion Polymerization and Degradation Studies. Polymers, 2017, 9, 422.	2.0	7
92	Oxidation-Responsive and â€œClickableâ€•Poly(ethylene glycol) via Copolymerization of 2-(Methylthio)ethyl Glycidyl Ether. Journal of the American Chemical Society, 2016, 138, 9212-9223.	6.6	96
93	Anionic Polymerization of Vinylcatechol Derivatives: Reversal of the Monomer Gradient Directed by the Position of the Catechol Moiety in the Copolymerization with Styrene. Macromolecules, 2016, 49, 4792-4801.	2.2	38
94	Cleavable Polyethylene Glycol: 3,4-Epoxy-1-butene as a Comonomer to Establish Degradability at Physiologically Relevant pH. ACS Macro Letters, 2016, 5, 1357-1363.	2.3	18
95	Tailoring Novel PTFE Surface Properties: Promoting Cell Adhesion and Antifouling Properties via a Wet Chemical Approach. Bioconjugate Chemistry, 2016, 27, 1216-1221.	1.8	32
96	Polyvinylferrocene-Based Amphiphilic Block Copolymers Featuring Functional Junction Points for Cross-Linked Micelles. Macromolecules, 2016, 49, 3406-3414.	2.2	29
97	Poly(THF-co-cyano ethylene oxide): Cyano Ethylene Oxide (CEO) Copolymerization with THF Leading to Multifunctional and Water-Soluble PolyTHF Polyelectrolytes. Macromolecules, 2016, 49, 3681-3695.	2.2	8
98	Could allergen-specific immunotherapy benefit from the use of nanocarriers?. Nanomedicine, 2016, 11, 1329-1331.	1.7	3
99	Copolymerization Kinetics of Glycidol and Ethylene Oxide, Propylene Oxide, and 1,2-Butylene Oxide: From Hyperbranched to Multiarm Star Topology. Macromolecules, 2016, 49, 7767-7776.	2.2	15
100	Biodegradable hyperbranched polyether-lipids with in-chain pH-sensitive linkages. Polymer Chemistry, 2016, 7, 6257-6268.	1.9	13
101	Tunable dynamic hydrophobic attachment of guest molecules in amphiphilic coreâ€“shell polymers. Polymer Chemistry, 2016, 7, 5783-5798.	1.9	9
102	Living Polymer Chains with Predictable Molecular Weight and Dispersity via Carbanionic Polymerization in Continuous Flow: Mixing Rate as a Key Parameter. Macromolecules, 2016, 49, 5043-5050.	2.2	51
103	Orthogonal Click Conjugation to the Liposomal Surface Reveals the Stability of the Lipid Anchorage as Crucial for Targeting. Chemistry - A European Journal, 2016, 22, 11578-11582.	1.7	20
104	Conventional Oxyanionic versus Monomer-Activated Anionic Copolymerization of Ethylene Oxide with Glycidyl Ethers: Striking Differences in Reactivity Ratios. ACS Macro Letters, 2016, 5, 1206-1211.	2.3	40
105	Can Hyperbranched Polymers Entangle? Effect of Hydrogen Bonding on Entanglement Transition and Thermorheological Properties of Hyperbranched Polyglycerol Melts. Macromolecules, 2016, 49, 8722-8737.	2.2	31
106	Physicochemical and Preclinical Evaluation of Spermine-Derived Surfactant Liposomes for in Vitro and in Vivo siRNA-Delivery to Liver Macrophages. Molecular Pharmaceutics, 2016, 13, 3636-3647.	2.3	4
107	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. Journal of Materials Chemistry B, 2016, 4, 7423-7428.	2.9	74
108	Wet Chemistry and Peptide Immobilization on Polytetrafluoroethylene for Improved Cell-adhesion. Journal of Visualized Experiments, 2016, , .	0.2	4

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109	Acidâ€Labile Amphiphilic PEOâ€bâ€PPOâ€bâ€PEO Copolymers: Degradable Poloxamer Analogs. Macromolecular Rapid Communications, 2016, 37, 775-780.	2.0	17
110	Hierachical Ni@Fe₂O₃superparticles through epitaxial growth of Î³-Fe₂O₃nanorods onin situformed Ni nanoplates. Nanoscale, 2016, 8, 9548-9555.	2.8	21
111	Processing and adjusting the hydrophilicity of poly(oxymethylene) (co)polymers: nanoparticle preparation and film formation. Polymer Chemistry, 2016, 7, 184-190.	1.9	2
112	Catechol Acetonide Glycidyl Ether (CAGE): A Functional Epoxide Monomer for Linear and Hyperbranched Multi-Catechol Functional Polyether Architectures. Macromolecules, 2016, 49, 1655-1665.	2.2	44
113	Polymerization of Ethylene Oxide, Propylene Oxide, and Other Alkylene Oxides: Synthesis, Novel Polymer Architectures, and Bioconjugation. Chemical Reviews, 2016, 116, 2170-2243.	23.0	594
114	Hyperbranched Polyols via Copolymerization of 1,2-Butylene Oxide and Glycidol: Comparison of Batch Synthesis and Slow Monomer Addition. Macromolecules, 2016, 49, 38-47.	2.2	23
115	Statistical properties of linear-hyperbranched graft copolymers prepared via â€œhypergraftingâ€•of ABm monomers from linear B-functional core chains: A molecular dynamics simulation. Journal of Chemical Physics, 2015, 143, 243125.	1.2	6
116	Maleimide Glycidyl Ether: A Bifunctional Monomer for Orthogonal Cationic and Radical Polymerizations. Macromolecular Rapid Communications, 2015, 36, 1822-1828.	2.0	17
117	Hyperbranched poly(glycolide) copolymers with glycerol branching points via ring-opening copolymerization. Polymer, 2015, 72, 436-446.	1.8	7
118	Controllable Nonspecific Protein Adsorption by Charged Hyperbranched Polyglycerol Thin Films. Langmuir, 2015, 31, 13101-13106.	1.6	15
119	Fate of Linear and Branched Polyether-Lipids In Vivo in Comparison to Their Liposomal Formulations by ¹⁸F-Radiolabeling and Positron Emission Tomography. Biomacromolecules, 2015, 16, 842-851.	2.6	19
120	Rheological Consequences of Hydrogen Bonding: Linear Viscoelastic Response of Linear Polyglycerol and Its Permethylated Analogues as a General Model for Hydroxyl-Functional Polymers. Macromolecules, 2015, 48, 119-130.	2.2	41
121	Unusual triskelion patterns and dye-labelled GUVs: consequences of the interaction of cholesterol-containing linear-hyperbranched block copolymers with phospholipids. Soft Matter, 2015, 11, 6106-6117.	1.2	3
122	Epicyanohydrin: Polymerization by Monomer Activation Gives Access to Nitrile-, Amino-, and Carboxyl-Functional Poly(ethylene glycol). Macromolecules, 2015, 48, 8144-8153.	2.2	35
123	Transformation of vaterite nanoparticles to hydroxycarbonate apatite in a hydrogel scaffold: relevance to bone formation. Journal of Materials Chemistry B, 2015, 3, 7079-7089.	2.9	28
124	Water-soluble and redox-responsive hyperbranched polyether copolymers based on ferrocenyl glycidyl ether. Polymer Chemistry, 2015, 6, 7112-7118.	1.9	11
125	Cationic Copolymerization of 3,3-Bis(hydroxymethyl)oxetane and Glycidol: Biocompatible Hyperbranched Polyether Polyols with High Content of Primary Hydroxyl Groups. Biomacromolecules, 2015, 16, 3297-3307.	2.6	13
126	Hyperbranched Poly(ethylene glycol) Copolymers: Absolute Values of the Molar Mass, Properties in Dilute Solution, and Hydrodynamic Homology. Macromolecules, 2015, 48, 5887-5898.	2.2	32

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127	Biodegradable pH-Sensitive Poly(ethylene glycol) Nanocarriers for Allergen Encapsulation and Controlled Release. Biomacromolecules, 2015, 16, 3103-3111.	2.6	36
128	Enhanced immunogenicity of multivalent MUC1 glycopeptide antitumour vaccines based on hyperbranched polymers. Organic and Biomolecular Chemistry, 2015, 13, 10150-10154.	1.5	23
129	Aliphatic Polycarbonates Based on Carbon Dioxide, Furfuryl Glycidyl Ether, and Glycidyl Methyl Ether: Reversible Functionalization and Crossâ€Linking. Macromolecular Rapid Communications, 2015, 36, 174-179.	2.0	39
130	Evaluation of Multifunctional Liposomes in Human Blood Serum by Light Scattering. Langmuir, 2014, 30, 14954-14962.	1.6	36
131	Supramolecular Antioxidant Assemblies of Hyperbranched Polyglycerols and Phenols. Macromolecular Chemistry and Physics, 2014, 215, 2311-2317.	1.1	7
132	Graft Copolymers with Complex Polyether Structures: Poly(ethylene oxide)â€graftâ€Poly(isobutyl) Tj ETQq0 0 0 rgBT /Overlock 1 Macromolecular Chemistry and Physics, 2014, 215, 566-571.	1.1	10
133	Poly(carbonate) copolymers with a tailored number of hydroxyl groups from glycidyl ethers and CO₂. Polymer Chemistry, 2014, 5, 814-818.	1.9	25
134	A Fully Synthetic Glycopeptide Antitumor Vaccine Based on Multiple Antigen Presentation on a Hyperbranched Polymer. Chemistry - A European Journal, 2014, 20, 4232-4236.	1.7	41
135	A convenient approach to amphiphilic hyperbranched polymers with thioether shell for the preparation and stabilization of coinage metal (Cu, Ag, Au) nanoparticles. Journal of Polymer Science Part A, 2014, 52, 1369-1375.	2.5	14
136	(1â€Adamantyl)methyl Glycidyl Ether: A Versatile Building Block for Living Polymerization. Macromolecular Rapid Communications, 2014, 35, 1075-1080.	2.0	9
137	Beyond Poly(ethylene glycol): Linear Polyglycerol as a Multifunctional Polyether for Biomedical and Pharmaceutical Applications. Biomacromolecules, 2014, 15, 1935-1954.	2.6	202
138	Stimuli-Responsive Tertiary Amine Functional PEGs Based on N,N-Dialkylglycidylamines. Macromolecules, 2014, 47, 7679-7690.	2.2	33
139	Hydroxyfunctional oxetane-inimers with varied polarity for the synthesis of hyperbranched polyether polyols via cationic ROP. Journal of Polymer Science Part A, 2014, 52, 2850-2859.	2.5	10
140	Vinylphenylglycidyl ether-based colloidal architectures: high-functionality crosslinking reagents, hybrid raspberry-type particles and smart hydrophobic surfaces. RSC Advances, 2014, 4, 41348-41352.	1.7	11
141	Living Anionic Polymerization in Continuous Flow: Facilitated Synthesis of High-Molecular Weight Poly(2-vinylpyridine) and Polystyrene. Organic Process Research and Development, 2014, 18, 1408-1412.	1.3	23
142	Click Modification of Multifunctional Liposomes Bearing Hyperbranched Polyether Chains. Biomacromolecules, 2014, 15, 2440-2448.	2.6	20
143	Controlled Synthesis of Multiâ€Arm Star Polyetherâ€“Polycarbonate Polyols Based on Propylene Oxide and CO₂. Macromolecular Rapid Communications, 2014, 35, 198-203.	2.0	28
144	Combining oxyanionic polymerization and click-chemistry: a general strategy for the synthesis of polyether polyol macromonomers. Polymer Chemistry, 2014, 5, 899-909.	1.9	22

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145	Ferrocene-Containing Multifunctional Polyethers: Monomer Sequence Monitoring via Quantitative ¹³C NMR Spectroscopy in Bulk. Macromolecules, 2014, 47, 2242-2249.	2.2	34
146	Cytotoxicity and Chemosensitizing Activity of Amphiphilic Poly(glycerol)â€“Poly(alkylene oxide) Block Copolymers. Biomacromolecules, 2014, 15, 2672-2681.	2.6	27
147	The â€œNeedle in the Haystackâ€•Makes the Difference: Linear and Hyperbranched Polyglycerols with a Single Catechol Moiety for Metal Oxide Nanoparticle Coating. Macromolecules, 2014, 47, 4557-4566.	2.2	31
148	A Challenging Comonomer Pair: Copolymerization of Ethylene Oxide and Glycidyl Methyl Ether to Thermoresponsive Polyethers. Macromolecules, 2014, 47, 5492-5500.	2.2	28
149	Functional Group Distribution and Gradient Structure Resulting from the Living Anionic Copolymerization of Styrene and para-But-3-enyl Styrene. ACS Macro Letters, 2014, 3, 560-564.	2.3	36
150	Stereocomplex Formation in Polylactide Multiarm Stars and Comb Copolymers with Linear and Hyperbranched Multifunctional PEG. Macromolecular Chemistry and Physics, 2013, 214, 1434-1444.	1.1	30
151	Polyether-Based Lipids Synthesized with an Epoxide Construction Kit: Multivalent Architectures for Functional Liposomes. ACS Symposium Series, 2013, , 11-25.	0.5	7
152	Catechol-Initiated Polyethers: Multifunctional Hydrophilic Ligands for PEGylation and Functionalization of Metal Oxide Nanoparticles. Biomacromolecules, 2013, 14, 193-199.	2.6	41
153	Redox-Responsive Block Copolymers: Poly(vinylferrocene)-b-poly(lactide) Diblock and Miktoarm Star Polymers and Their Behavior in Solution. Organometallics, 2013, 32, 6033-6039.	1.1	29
154	One-pot synthesis of poly(l-lactide) multi-arm star copolymers based on a polyester polyol macroinitiator. Polymer, 2013, 54, 1993-2000.	1.8	11
155	Grafting of hyperbranched polymers: From unusual complex polymer topologies to multivalent surface functionalization. Polymer, 2013, 54, 5443-5455.	1.8	74
156	Monomer Sequence Distribution Monitoring in Living Carbanionic Copolymerization by Real-Time ¹H NMR Spectroscopy. Macromolecules, 2013, 46, 8467-8471.	2.2	43
157	ABA Triblock Copolymers Based on Linear Poly(oxymethylene) and Hyperbranched Poly(glycerol): Combining Polyacetals and Polyethers. Macromolecules, 2013, 46, 8845-8852.	2.2	19
158	Polydispersity and Molecular Weight Distribution of Hyperbranched Graft Copolymers via â€œHypergraftingâ€•of AB_m Monomers from Polydisperse Macroinitiator Cores: Theory Meets Synthesis. Macromolecules, 2013, 46, 5823-5830.	2.2	26
159	One-step synthesis of multi-alkyne functional hyperbranched polyglycerols by copolymerization of glycidyl propargyl ether and glycidol. Polymer Chemistry, 2013, 4, 4730.	1.9	23
160	Block copolymers in giant unilamellar vesicles with proteins or with phospholipids. Faraday Discussions, 2013, 166, 303.	1.6	11
161	From Biocompatible to Biodegradable: Poly(Ethylene Glycol)s with Predetermined Breaking Points. Advances in Polymer Science, 2013, , 167-190.	0.4	13
162	Stable, Hydroxyl Functional Polycarbonates With Glycerol Side Chains Synthesized From CO₂ and Isopropylidene(glyceryl glycidyl ether). Macromolecular Rapid Communications, 2013, 34, 150-155.	2.0	38

#	Article	IF	Citations
163	Impact of Amino-Functionalization on the Response of Poly(ethylene glycol) (PEG) to External Stimuli. ACS Macro Letters, 2013, 2, 128-131.	2.3	13
164	Electrocatalytic Properties of Carbosilaneâ€Based Hyperbranched Polymers Functionalized with Interacting Ferrocenyl Units. European Journal of Inorganic Chemistry, 2013, 2013, 44-53.	1.0	15
165	Ferrocenyl Glycidyl Ether: A Versatile Ferrocene Monomer for Copolymerization with Ethylene Oxide to Water-Soluble, Thermoresponsive Copolymers. Macromolecules, 2013, 46, 647-655.	2.2	71
166	Hyperbranched aliphatic polyether polyols. Journal of Polymer Science Part A, 2013, 51, 995-1019.	2.5	57
167	Combining Ring-Opening Multibranching and RAFT Polymerization: Multifunctional Linearâ€“Hyperbranched Block Copolymers via Hyperbranched Macro-Chain-Transfer Agents. Macromolecules, 2013, 46, 2892-2904.	2.2	29
168	Poly(1,2-glycerol carbonate): A Fundamental Polymer Structure Synthesized from CO₂ and Glycidyl Ethers. Macromolecules, 2013, 46, 3280-3287.	2.2	86
169	Enlarging the Toolbox: Epoxide Termination of Polyferrocenylsilane (PFS) as a Key Step for the Synthesis of Amphiphilic PFSâ€“Polyether Block Copolymers. ACS Macro Letters, 2013, 2, 313-316.	2.3	27
170	Universal Concept for the Implementation of a Single Cleavable Unit at Tunable Position in Functional Poly(ethylene glycol)s. Biomacromolecules, 2013, 14, 448-459.	2.6	48
171	Anionic Polymerization of para-(1-Ethoxy ethoxy)styrene: Rapid Access to Poly(p-hydroxystyrene) Copolymer Architectures. ACS Macro Letters, 2013, 2, 409-413.	2.3	18
172	Supramolecular Linear-g-Hyperbranched Graft Polymers: Topology and Binding Strength of Hyperbranched Side Chains. Macromolecules, 2013, 46, 9544-9553.	2.2	49
173	CO₂â€Based Nonâ€ionic Surfactants: Solventâ€Free Synthesis of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Physics, 2013, 214, 2848-2855.	1.1	30
174	Micellar interactions in water-AOT based droplet microemulsions containing hydrophilic and amphiphilic polymers. Journal of Chemical Physics, 2013, 139, 184903.	1.2	11
175	Propargylâ€Functional Aliphatic Polycarbonate Obtained from Carbon Dioxide and Glycidyl Propargyl Ether. Macromolecular Rapid Communications, 2013, 34, 1395-1400.	2.0	33
176	Aminofunctional polyethers: smart materials for applications in solution and on surfaces. Polymer International, 2013, 62, 849-859.	1.6	14
177	From CO₂â€Based Multifunctional Polycarbonates With a Controlled Number of Functional Groups to Graft Polymers. Macromolecular Chemistry and Physics, 2013, 214, 892-901.	1.1	41
178	Structure Formation of Polymeric Building Blocks: Complex Polymer Architectures. Advances in Polymer Science, 2013, , 115-210.	0.4	6
179	Directing the Selfâ€Assembly of Semiconducting Copolymers: The Consequences of Grafting Linear or Hyperbranched Polyether Side Chains. Macromolecular Rapid Communications, 2013, 34, 1213-1219.	2.0	8
180	Hyperbranched Polyglycerols (Synthesis and Applications). , 2013, , 1-4.		1

#	Article	IF	Citations
181	Microflow Technology in Polymer Synthesis. Macromolecules, 2012, 45, 9551-9570.	2.2	173
182	Squaric Acid Mediated Chemoselective PEGylation of Proteins: Reactivity of Singleâ€Stepâ€Activated Î±â€Amino Poly(ethylene glycol)s. Chemistry - A European Journal, 2012, 18, 16828-16835.	1.7	26
183	Squaric Acid Mediated Synthesis and Biological Activity of a Library of Linear and Hyperbranched Poly(Glycerol)â€"Protein Conjugates. Biomacromolecules, 2012, 13, 1161-1171.	2.6	71
184	Water-Soluble Poly(vinylferrocene)-b-Poly(ethylene oxide) Diblock and Miktoarm Star Polymers. Macromolecules, 2012, 45, 3409-3418.	2.2	48
185	N,N-Diallylglycidylamine: A Key Monomer for Amino-Functional Poly(ethylene glycol) Architectures. Macromolecules, 2012, 45, 4581-4589.	2.2	45
186	Water-Soluble â€œPoly(propylene oxide)â€• by Random Copolymerization of Propylene Oxide with a Protected Glycidol Monomer. Macromolecules, 2012, 45, 3039-3046.	2.2	42
187	Branched Acid-Degradable, Biocompatible Polyether Copolymers via Anionic Ring-Opening Polymerization Using an Epoxide Inimer. ACS Macro Letters, 2012, 1, 1094-1097.	2.3	56
188	Stimuliâ€Responsive Yâ€Shaped Polymer Brushes Based on Junctionâ€Pointâ€Reactive Block Copolymers. Advanced Materials, 2012, 24, 5559-5563.	11.1	41
189	Universal glue for cells. Nature Materials, 2012, 11, 359-360.	13.3	8
190	P(HPMA)-block-P(LA) copolymers in paclitaxel formulations: Polylactide stereochemistry controls micellization, cellular uptake kinetics, intracellular localization and drug efficiency. Journal of Controlled Release, 2012, 163, 63-74.	4.8	34
191	How Structure-Related Collapse Mechanisms Determine Nanoscale Inhomogeneities in Thermoresponsive Polymers. Macromolecules, 2012, 45, 7535-7548.	2.2	18
192	Linear-Hyperbranched Graft-Copolymers via Grafting-to Strategy Based on Hyperbranched Dendron Analogues and Reactive Ester Polymers. Macromolecules, 2012, 45, 5901-5910.	2.2	39
193	Functional PEG-based polymers with reactive groups via anionic ROP of tailor-made epoxides. Polymer Chemistry, 2012, 3, 1714.	1.9	83
194	Hyperbranched Poly(propylene oxide): A Multifunctional Backbone-Thermoresponsive Polyether Polyol Copolymer. ACS Macro Letters, 2012, 1, 888-891.	2.3	53
195	Controlled Synthesis of Linear Polymers with Highly Branched Side Chains by â€œHypergraftingâ€: Poly(4-hydroxy styrene)-graft-hyperbranched Polyglycerol. ACS Macro Letters, 2012, 1, 461-464.	2.3	36
196	Longâ€Chain Branched Poly(Lactide)s Based on Polycondensation of AB₂â€type Macromonomers. Macromolecular Chemistry and Physics, 2012, 213, 1349-1358.	1.1	18
197	Synthesis of Oxetaneâ€Functional Aliphatic Polyesters via Enzymatic Polycondensation. Macromolecular Chemistry and Physics, 2012, 213, 1783-1790.	1.1	18
198	Thermoresponsive Copolymers of Ethylene Oxide and N,Nâ€Diethyl Glycidyl Amine: Polyether Polyelectrolytes and PEGylated Gold Nanoparticle Formation. Macromolecular Rapid Communications, 2012, 33, 1556-1561.	2.0	22

#	Article	IF	Citations
199	Polysiloxaneâ€Backbone Block Copolymers in a Oneâ€Pot Synthesis: A Silicone Platform for Facile Functionalization. Macromolecular Rapid Communications, 2012, 33, 1861-1867.	2.0	43
200	Mixed layers of DPPC and a linear poly(ethylene glycol)-b-hyperbranched poly(glycerol) block copolymer having a cholesteryl end group. Colloid and Polymer Science, 2012, 290, 579-588.	1.0	10
201	Interaction between a water-in-oil microemulsion and a linear-dendritic poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66	1.2	14
202	Langmuir and Langmuirâ^'Blodgett Films of Multifunctional, Amphiphilic Polyethers with Cholesterol Moieties. Langmuir, 2011, 27, 1978-1989.	1.6	23
203	Rapid Access to Polyfunctional Lipids with Complex Architecture via Oxyanionic Ring-Opening Polymerization. Macromolecules, 2011, 44, 4648-4657.	2.2	46
204	Partially Quarternized Amino Functional Poly(methacrylate) Terpolymers: Versatile Drug Permeability Modifiers. Biomacromolecules, 2011, 12, 425-431.	2.6	4
205	Mesogen-Initiated Linear Polyglycerol Isomers: The Ordering Effect of a Single Cholesterol Unit on â€œStickyâ€•Isotropic Chains. Macromolecules, 2011, 44, 6767-6775.	2.2	10
206	A Combined DPE/Epoxide Termination Strategy for Hydroxyl End-Functional Poly(2-vinylpyridine) and Amphiphilic AB2-Miktoarm Stars. Macromolecules, 2011, 44, 9887-9890.	2.2	24
207	Phase Behavior of the System Linear Polyglycerol + Methanol + Carbon Dioxide. Journal of Chemical & Engineering Data, 2011, 56, 2927-2931.	1.0	7
208	Correlations between Ion Conductivity and Polymer Dynamics in Hyperbranched Poly(ethylene oxide) Electrolytes for Lithium-Ion Batteries. Chemistry of Materials, 2011, 23, 2685-2688.	3.2	72
209	Poly(ethylene glycol-co-allyl glycidyl ether)s: A PEG-Based Modular Synthetic Platform for Multiple Bioconjugation. Bioconjugate Chemistry, 2011, 22, 436-444.	1.8	97
210	Introducing an amine functionality at the block junction of amphiphilic block copolymers by anionic polymerization strategies. Chemical Communications, 2011, 47, 8964.	2.2	22
211	PEG-based Multifunctional Polyethers with Highly Reactive Vinyl-Ether Side Chains for Click-Type Functionalization. Macromolecules, 2011, 44, 6326-6334.	2.2	78
212	Synthesis of Waterâ€Soluble Copolymers Carrying Longâ€Chain (C₁₂ to C₃₀) Aliphatic Moieties. Macromolecular Chemistry and Physics, 2011, 212, 1648-1653.	1.1	1
213	Organobaseâ€Catalyzed Synthesis of Multiarm Star Polylactide With Hyperbranched Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	17
214	Towards the Generation of Selfâ€Healing Materials by Means of a Reversible Photoâ€induced Approach. Macromolecular Rapid Communications, 2011, 32, 468-473.	2.0	198
215	Oligo(glycerol) Methacrylate Macromonomers. Macromolecular Rapid Communications, 2011, 32, 1910-1915.	2.0	16
216	From an Epoxide Monomer Toolkit to Functional PEG Copolymers With Adjustable LCST Behavior. Macromolecular Rapid Communications, 2011, 32, 1930-1934.	2.0	39

#	Article	IF	Citations
217	Multifunctional Poly(ethylene glycol)s. Angewandte Chemie - International Edition, 2011, 50, 7988-7997.	7.2	168
218	Die vielen Gesichter des Poly(ethylenglykol)s. Chemie in Unserer Zeit, 2011, 45, 338-349.	0.1	32
219	Linearâ€“dendritic block copolymers: The state of the art and exciting perspectives. Progress in Polymer Science, 2011, 36, 1-52.	11.8	250
220	Poly(glycolide) multi-arm star polymers: Improved solubility via limited arm length. Beilstein Journal of Organic Chemistry, 2010, 6, .	1.3	19
221	Î±,Ï‰_nâ€Heterotelechelic Hyperbranched Polyethers Solubilize Carbon Nanotubes. Macromolecular Chemistry and Physics, 2010, 211, 932-939.	1.1	15
222	Heteroâ€Multifunctional Poly(ethylene glycol) Copolymers with Multiple Hydroxyl Groups and a Single Terminal Functionality. Macromolecular Rapid Communications, 2010, 31, 258-264.	2.0	54
223	Synthesis, Characterization and Preliminary Biological Evaluation of P(HPMA)â€bâ€P(LLA) Copolymers: A New Type of Functional Biocompatible Block Copolymer. Macromolecular Rapid Communications, 2010, 31, 1492-1500.	2.0	34
224	Hyperbranched PEG by Random Copolymerization of Ethylene Oxide and Glycidol. Macromolecular Rapid Communications, 2010, 31, 1811-1815.	2.0	53
225	A Road Less Traveled to Functional Polymers: Epoxide Termination in Living Carbanionic Polymer Synthesis. Macromolecular Rapid Communications, 2010, 31, 1938-1947.	2.0	39
226	Entanglement Transition in Hyperbranched Polyetherâ€Polyols. Macromolecular Rapid Communications, 2010, 31, 2127-2132.	2.0	28
227	Phase behavior of the system hyperbranched polyglycerol+methanol+carbon dioxide. Fluid Phase Equilibria, 2010, 299, 252-258.	1.4	15
228	Branched versus linear oligo(dimethylsiloxane): Differences in their thermodynamic interaction with solvents. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1309-1318.	2.4	9
229	Hyperbranched Polyglycerol-Based Lipids via Oxyanionic Polymerization: Toward Multifunctional Stealth Liposomes. Biomacromolecules, 2010, 11, 568-574.	2.6	78
230	Hyperbranched Polyglycerols: From the Controlled Synthesis of Biocompatible Polyether Polyols to Multipurpose Applications. Accounts of Chemical Research, 2010, 43, 129-141.	7.6	521
231	Multihydroxyl-Functional Polystyrenes in Continuous Flow. Macromolecules, 2010, 43, 5582-5588.	2.2	43
232	Chiroptical Induction and Molecular Recognition in Optically Active Hyperbranched Polyethers with Inherently Chiral Benzophenone Core. Macromolecules, 2010, 43, 9583-9587.	2.2	9
233	Soluble Hyperbranched Poly(glycolide) Copolymers. Macromolecules, 2010, 43, 8539-8548.	2.2	25
234	â€œFunctional Poly(ethylene glycol)â€• PEG-Based Random Copolymers with 1,2-Diol Side Chains and Terminal Amino Functionality. Macromolecules, 2010, 43, 8511-8518.	2.2	56

#	Article	IF	Citations
235	Amino Functional Poly(ethylene glycol) Copolymers via Protected Amino Glycidol. Macromolecules, 2010, 43, 2244-2251.	2.2	82
236	Rapid Synthesis and MALDIâ€ToF Characterization of Poly(ethylene oxide) Multiarm Star Polymers. Macromolecular Chemistry and Physics, 2010, 211, 35-44.	1.1	13
237	Multihydroxy-Functional Polysilanes via an Acetal Protecting Group Strategy. Macromolecules, 2010, 43, 8462-8467.	2.2	16
238	Poly(isoglycerol methacrylate)-b-poly(<scp>d</scp> or <scp>l</scp>-lactide) Copolymers: A Novel Hydrophilic Methacrylate as Building Block for Supramolecular Aggregates. Macromolecules, 2010, 43, 3314-3324.	2.2	49
239	Electroactive Linearâ€“Hyperbranched Block Copolymers Based on Linear Poly(ferrocenylsilane)s and Hyperbranched Poly(carbosilane)s. Chemistry - A European Journal, 2009, 15, 9068-9077.	1.7	63
240	Branched Versus Linear Polyisoprene: Floryâ€“Huggins Interaction Parameters for their Solutions in Cyclohexane. Macromolecular Chemistry and Physics, 2009, 210, 1433-1439.	1.1	12
241	Prof. Rolf MÃ¼lhaupt from the University of Freiburg is the recipient of the Hermann Staudinger Award 2009. Macromolecular Chemistry and Physics, 2009, 210, 1176-1177.	1.1	0
242	Hyperbranchedâ€“linearâ€“hyperbranched ABAâ€type block copolymers based on poly(ethylene oxide) and polyglycerol. Polymer International, 2009, 58, 989-995.	1.6	40
243	Ferrocenylâ€functionalized long chain branched polydienes. Journal of Polymer Science Part A, 2009, 47, 2518-2529.	2.5	12
244	Photocatalytic printing of inorganic nanopatterns via poly(styrene-block-carbosilane) copolymer thin films on titania substrates. Chemical Communications, 2009, , 1091.	2.2	4
245	Synthesis and Noncovalent Protein Conjugation of Linear-Hyperbranched PEG-Poly(glycerol) Î±,Ï‰_n-Telechelics. Journal of the American Chemical Society, 2009, 131, 7954-7955.	6.6	107
246	Hyperbranched Polyglycerols with Elevated Molecular Weights: A Facile Two-Step Synthesis Protocol Based on Polyglycerol Macroinitiators. Macromolecules, 2009, 42, 3230-3236.	2.2	114
247	Inimer-Promoted Synthesis of Branched and Hyperbranched Polylactide Copolymers. Macromolecules, 2009, 42, 9443-9456.	2.2	52
248	Poly(lactide)-block-Poly(HEMA) Block Copolymers: An Orthogonal One-Pot Combination of ROP and ATRP, Using a Bifunctional Initiator. Macromolecules, 2009, 42, 5622-5628.	2.2	113
249	Ionic Liquids on Demand in Continuous Flow. Organic Process Research and Development, 2009, 13, 961-964.	1.3	31
250	Hyperbranched Polycarbosilanes and Polycarbosiloxanes via Hydrosilylation Polymerization. Advances in Silicon Science, 2009, , 345-375.	0.6	3
251	Systematic investigation of functional core variation within hyperbranched polyglycerols. Journal of Polymer Science Part A, 2008, 46, 2049-2061.	2.5	18
252	Branched and Functionalized Polybutadienes by a Facile Twoâ€Step Synthesis. Macromolecular Chemistry and Physics, 2008, 209, 675-684.	1.1	31

#	Article	IF	Citations
253	Microstructured Reactors for Polymer Synthesis: A Renaissance of Continuous Flow Processes for Tailorâ€Made Macromolecules?. Macromolecular Chemistry and Physics, 2008, 209, 343-356.	1.1	111
254	Carbanions on Tap â€“ Living Anionic Polymerization in a Microstructured Reactor. Macromolecular Chemistry and Physics, 2008, 209, 1106-1114.	1.1	59
255	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. Angewandte Chemie - International Edition, 2008, 47, 2227-2230.	7.2	155
256	Electrochemical and bioelectrocatalytical properties of novel block-copolymers containing interacting ferrocenyl units. Journal of Organometallic Chemistry, 2008, 693, 2803-2811.	0.8	27
257	Incorporation of a Photosensitizer Core within Hyperbranched Polyether Polyols:â€‰ Effect of the Branched Shell on the Core Properties. Macromolecules, 2008, 41, 1189-1195.	2.2	15
258	Amphiphilic Linear-Hyperbranched Block Copolymers with Linear Poly(ethylene oxide) and Hyperbranched Poly(carbosilane) Block. Macromolecules, 2008, 41, 9602-9611.	2.2	44
259	Double-Hydrophilic Linear-Hyperbranched Block Copolymers Based on Poly(ethylene oxide) and Poly(glycerol). Macromolecules, 2008, 41, 1184-1188.	2.2	109
260	Synthesis and Characterization of Poly(glyceryl glycerol) Block Copolymers. Macromolecules, 2008, 41, 1909-1911.	2.2	65
261	Photocatalysis within Hyperbranched Polyethers with a Benzophenone Core. Journal of Organic Chemistry, 2008, 73, 4680-4683.	1.7	11
262	Novel multifunctional hyperbranched polymeric photoinitiators with built-in amine coinitiators for UV curing. Journal of Materials Chemistry, 2007, 17, 3389.	6.7	40
263	Pencil Lead as a Matrix for MALDI-ToF Mass Spectrometry of Sensitive Functional Polymers. Macromolecules, 2007, 40, 746-751.	2.2	24
264	Synthesis of Hyperbranched Polyglycerol in a Continuous Flow Microreactor. Chemical Engineering and Technology, 2007, 30, 1519-1524.	0.9	54
265	Water-Soluble Fluorescent Ag Nanoclusters Obtained from Multiarm Star Poly(acrylic acid) as â€œMolecular Hydrogelâ€•Templates. Advanced Materials, 2007, 19, 349-352.	11.1	251
266	Novel Multifunctional Polymeric Photoinitiators and Photoâ€Coinitiators Derived from Hyperbranched Polyglycerol. Macromolecular Chemistry and Physics, 2007, 208, 1694-1706.	1.1	35
267	Multiâ€Arm Star Poly(<scp>L</scp>â€lactide) with Hyperbranched Polyglycerol Core. Macromolecular Chemistry and Physics, 2007, 208, 1657-1665.	1.1	70
268	Highly Branched Polymers: Recent Innovations and Exciting Challenges. Macromolecular Chemistry and Physics, 2007, 208, 1613-1614.	1.1	3
269	A Facile Two-Step Route to Branched Polyisoprenes via ABn-Macromonomers. Macromolecular Rapid Communications, 2007, 28, 704-709.	2.0	28
270	Water-soluble polyesters from long chain alkylesters of citric acid and poly(ethylene glycol). European Polymer Journal, 2007, 43, 1288-1301.	2.6	6

#	Article	IF	Citations
271	Branched versus linear polyisoprene: Fractionation and phase behavior. European Polymer Journal, 2007, 43, 4236-4243.	2.6	16
272	Multiarm star polyglycerol-block-poly(HEMA) as a versatile precursor for the preparation of micellar nanocapsules with different properties. Reactive and Functional Polymers, 2007, 67, 156-164.	2.0	27
273	Linear-Hyperbranched Block Copolymers Consisting of Polystyrene and Dendritic Poly(carbosilane) Block. Macromolecules, 2006, 39, 971-977.	2.2	54
274	Hyperbranched Polylactide Copolymers. Macromolecules, 2006, 39, 1719-1723.	2.2	89
275	Synthesis of Multiarm Star Poly(glycerol)-block-Poly(2-hydroxyethyl methacrylate). Biomacromolecules, 2006, 7, 919-926.	2.6	53
276	Makromolekulare Chemie 2005. Nachrichten Aus Der Chemie, 2006, 54, 292-300.	0.0	2
277	Optically active amphiphilic hyperbranched polyglycerols as templates for palladium nanoparticles. Inorganica Chimica Acta, 2006, 359, 1837-1844.	1.2	23
278	Negatively charged hyperbranched polyether-based polyelectrolytes. Colloid and Polymer Science, 2006, 284, 1293-1301.	1.0	8
279	Complex of Hyperbranched Polyethylenimine with Cuprous Halide as Recoverable Homogeneous Catalyst for the Atom Transfer Radical Polymerization of Methyl Methacrylate. Macromolecules, 2006, 39, 2092-2099.	2.2	29
280	Miscibility and properties of linear poly(l-lactide)/branched poly(l-lactide) copolyester blends. Polymer, 2006, 47, 3740-3746.	1.8	30
281	Hockey-Puck Micelles from Oligo(p-benzamide)-b-PEG Rodâ€“Coil Block Copolymers. Angewandte Chemie - International Edition, 2006, 45, 2969-2975.	7.2	64
282	Multi-Arm Star Polyglycerol-block-poly(tert-butyl acrylate) and the Respective Multi-Arm Poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	62
283	Supramolecular Thermotropic Liquid Crystalline Materials with Nematic Mesophase Based on Methylated Hyperbranched Polyethylenimine and Mesogenic Carboxylic Acid. Macromolecular Rapid Communications, 2006, 27, 69-75.	2.0	29
284	Hybrid Organic-Inorganic Nanostructures Fabricated from Layer-by-Layer Self-Assembled Multilayers of Hyperbranched Polyglycerols and Phosphorus Dendrimers. Journal of Nanoscience and Nanotechnology, 2006, 6, 3871-3876.	0.9	12
285	Enzyme-Catalyzed Synthesis of Hyperbranched Aliphatic Polyesters. ACS Symposium Series, 2005, , 354-365.	0.5	3
286	Rod-Length Dependent Aggregation in a Series of Oligo(p-benzamide)-Block-Poly(ethylene glycol) Rod-Coil Copolymers. Macromolecular Chemistry and Physics, 2005, 206, 2067-2074.	1.1	33
287	Aliphatic Hyperbranched Copolyesters by Combination of ROP and AB2-Polycondensation. Macromolecular Chemistry and Physics, 2005, 206, 2421-2428.	1.1	31
288	Linear-Hyperbranched Amphiphilic AB Diblock Copolymers Based on Polystyrene and Hyperbranched Polyglycerol. Macromolecular Rapid Communications, 2005, 26, 862-867.	2.0	62

#	Article	IF	Citations
289	Soluble Oligoaramide Precursors?A Novel Class of Building Blocks for Rod-Coil Architectures. Chemistry - A European Journal, 2005, 11, 2170-2176.	1.7	34
290	Controlled Crystallization of CaCO3on Hyperbranched Polyglycerol Adsorbed to Self-Assembled Monolayers. Langmuir, 2005, 21, 3987-3991.	1.6	37
291	Synergistic assembly of hyperbranched polyethylenimine and fatty acids leading to unusual supramolecular nanocapsules. Chemical Communications, 2005, , 755-757.	2.2	50
292	Role of Topology and Amphiphilicity for Guest Encapsulation in Functionalized Hyperbranched Poly(ethylenimine)s. Macromolecules, 2005, 38, 227-229.	2.2	97
293	Relationship between the Structure of Amphiphilic Copolymers and Their Ability To Disturb Lipid Bilayersâ€. Biochemistry, 2005, 44, 4042-4054.	1.2	148
294	Synthesis of reactive hyperbranched and star-like polyethers and their use for toughening of vinylesterâ€“urethane hybrid resins. Polymer, 2004, 45, 1185-1195.	1.8	55
295	Synthesis and Supramolecular Association of Immobilized NCN-Pincer Platinum(II) Complexes on Hyperbranched Polyglycerol Supports. Chemistry - A European Journal, 2004, 10, 1267-1273.	1.7	50
296	Vaporâ€“liquid equilibria in dendrimer and hyperbranched polymer solutions: experimental data and modeling using UNIFAC-FV. Fluid Phase Equilibria, 2004, 221, 83-96.	1.4	19
297	Electron-transfer reduction of selected alcohols with alkalide Kâ^', K+(15-crown-5)2 via organometallic intermediates. Journal of Organometallic Chemistry, 2004, 689, 2361-2367.	0.8	2
298	Reactive core/shell type hyperbranched blockcopolyethers as new liquid rubbers for epoxy toughening. Polymer, 2004, 45, 2155-2164.	1.8	79
299	Non-linear effect of 18-crown-6 in propylene oxide polymerization with potassium glycidoxide used as the inimer. Polymer, 2004, 45, 7047-7051.	1.8	8
300	Hyperbranched Polymers:Â Structure of Hyperbranched Polyglycerol and Amphiphilic Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	67
301	Optically Active Hyperbranched Polyglycerol as Scaffold for Covalent and Noncovalent Immobilization of Platinum(II) NCN-Pincer Complexes. Catalytic Application and Recovery. Organometallics, 2004, 23, 1525-1532.	1.1	62
302	Form fluctuations of carbosilane dendrimers in dilute solution: a study using neutron spin echo spectroscopy. Colloid and Polymer Science, 2003, 281, 593-600.	1.0	10
303	Linear-Dendritic Nonionic Poly(propylene oxide)â€"Polyglycerol Surfactants.. ChemInform, 2003, 34, no.	0.1	0
304	Linear-dendritic nonionic poly(propylene oxide)â€“polyglycerol surfactants. Tetrahedron, 2003, 59, 4017-4024.	1.0	94
305	Hyperverzweigte Polymere: von baumartigen MakromolekÃ¼len zu Funktionsmaterialien. Nachrichten Aus Der Chemie, 2002, 50, 1218-1224.	0.0	3
306	Carboxylated and Sulfonated Poly(arylene-co-arylene sulfone)s:Â Thermostable Polyelectrolytes for Fuel Cell Applications. Macromolecules, 2002, 35, 7936-7941.	2.2	93

#	Article	IF	Citations
307	Encapsulation of Hydrophilic Pincerâ˜Platinum(II) Complexes in Amphiphilic Hyperbranched Polyglycerol Nanocapsules. Macromolecules, 2002, 35, 5734-5737.	2.2	97
308	Dendritic polyglycerol: a new versatile biocompatible material. Reviews in Molecular Biotechnology, 2002, 90, 257-267.	2.9	313
309	Hyperbranched Molecular Nanocapsules:Â Comparison of the Hyperbranched Architecture with the Perfect Linear Analogue. Journal of the American Chemical Society, 2002, 124, 9698-9699.	6.6	293
310	Dendritic Polymers in Biomedical Applications: From Potential to Clinical Use in Diagnostics and Therapy. Angewandte Chemie - International Edition, 2002, 41, 1329-1334.	7.2	627
311	Enzyme-Catalyzed Synthesis of Hyperbranched Aliphatic Polyesters. Macromolecular Rapid Communications, 2002, 23, 292-296.	2.0	81
312	Experimental data and theoretical considerations on vaporâ€“liquid and liquidâ€“liquid equilibria of hyperbranched polyglycerol and PVA solutions. Fluid Phase Equilibria, 2002, 201, 359-379.	1.4	48
313	Bismethacrylate-Based Hybrid Monomers via Michael-Addition Reactions. Macromolecules, 2001, 34, 5778-5785.	2.2	41
314	Synthesis of Hyperbranched Aromatic Homo- and Copolyesters via the Slow Monomer Addition Method. Macromolecules, 2001, 34, 7692-7698.	2.2	64
315	Control of the molecular weight of hyperbranched polyglycerols. Macromolecular Symposia, 2001, 163, 67-74.	0.4	38
316	Organic-inorganic hybrid networks by the sol-gel process and subsequent photopolymerization. Journal of Polymer Science Part A, 2001, 39, 4274-4282.	2.5	27
317	Hyperbranched polyesters and their application in dental composites: monomers for low shrinking composites. Polymers for Advanced Technologies, 2001, 12, 346-354.	1.6	46
318	Organicâ€“Inorganic Hybrid Nanocomposites Prepared by Means of Solâ€“Gel Condensation of Bismethacrylatesilanes in Reactive Diluents. Advanced Functional Materials, 2001, 11, 425.	7.8	30
319	Acrylate-Terminated Macromonomers by Michael Addition. Macromolecular Chemistry and Physics, 2001, 202, 3484-3489.	1.1	9
320	Hyperbranched polyglycerols by ring-opening multibranching polymerization. Macromolecular Symposia, 2000, 153, 187-196.	0.4	42
321	Synthesis of poly(glycerol)-block-poly(methyl acrylate) multi-arm star polymers. Macromolecular Rapid Communications, 2000, 21, 226-230.	2.0	69
322	Role of cyclization in the synthesis of hyperbranched aliphatic polyesters. Macromolecular Chemistry and Physics, 2000, 201, 782-791.	1.1	116
323	Multi-arm star block copolymers based on É›-caprolactone with hyperbranched polyglycerol core. Macromolecular Chemistry and Physics, 2000, 201, 792-797.	1.1	60
324	Controlling the Growth of Polymer Trees: Concepts and Perspectives For Hyperbranched Polymers. Chemistry - A European Journal, 2000, 6, 2499-2506.	1.7	277

#	Article	IF	Citations
325	Macromolecular-Multisite Catalysts Obtained by Grafting Diaminoaryl Palladium(ii) Complexes onto a Hyperbranched-Polytriallylsilane Support. Angewandte Chemie - International Edition, 2000, 39, 3445-3447.	7.2	82
326	Dendrimers:. Journal of Controlled Release, 2000, 65, 133-148.	4.8	1,151
327	Preparation of Catalytically Active Palladium Nanoclusters in Compartments of Amphiphilic Hyperbranched Polyglycerols. Macromolecules, 2000, 33, 3958-3960.	2.2	102
328	Chiral Hyperbranched Dendron Analogues. Macromolecules, 2000, 33, 253-254.	2.2	75
329	An Approach to Coreâ^'Shell-Type Architectures in Hyperbranched Polyglycerols by Selective Chemical Differentiation. Macromolecules, 2000, 33, 8158-8166.	2.2	139
330	Synthesis and Thermal Behavior of Esterified Aliphatic Hyperbranched Polyether Polyols. Macromolecules, 2000, 33, 1330-1337.	2.2	64
331	Hyperbranched Polyetherâ^'Polyols Based on Polyglycerol:Â Polarity Design by Block Copolymerization with Propylene Oxide. Macromolecules, 2000, 33, 309-314.	2.2	115
332	Functional Poly(ethylene oxide) Multiarm Star Polymers:Â Core-First Synthesis Using Hyperbranched Polyglycerol Initiators. Macromolecules, 2000, 33, 315-320.	2.2	159
333	Copolymers of Glycidol and Glycidyl Ethers:Â Design of Branched Polyether Polyols by Combination of Latent Cyclic AB2and ABR Monomers. Macromolecules, 2000, 33, 7682-7692.	2.2	85
334	Multi-arm star block copolymers based on Îµ-caprolactone with hyperbranched polyglycerol core. , 2000, 201, 792.		1
335	Silicon-Based Dendrimers. Topics in Current Chemistry, 2000, , 69-129.	4.0	77
336	Carbosilane Dendrimers â€" Synthesis, Functionalization, Application. , 1999, , 3-14.		9
337	Dielectric relaxation in carbosilane dendrimers with cyanobiphenyl end groups. Colloid and Polymer Science, 1999, 277, 1186-1192.	1.0	21
338	A Novel Phenol for Use in Convergent and Divergent Dendrimer Synthesis: Access to Core Functionalisable Trifurcate Carbosilane Dendrimersâ€"The X-ray Crystal Structure of [1,3,5-Tris{4-(triallylsilyl)phenylester}benzene]. Chemistry - A European Journal, 1999, 5, 2191-2197.	1.7	21
339	Hyperbranched Polyether Polyols with Liquid Crystalline Properties. Angewandte Chemie - International Edition, 1999, 38, 2928-2930.	7.2	62
340	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. Angewandte Chemie - International Edition, 1999, 38, 3552-3555.	7.2	242
341	Styrene-vinylferrocene random and block copolymers by TEMPO-mediated radical polymerization. Macromolecular Rapid Communications, 1999, 20, 203-209.	2.0	31
342	Degree of branching in hyperbranched polymers. 3 Copolymerization of ABm-monomers with AB and ABn-monomers. Acta Polymerica, 1999, 50, 67-76.	1.4	156

#	Article	IF	Citations
343	Dielectric Relaxation in Carbosilane Dendrimers with Perfluorinated End Groups. Macromolecules, 1999, 32, 1962-1966.	2.2	41
344	Controlled Synthesis of Hyperbranched Polyglycerols by Ring-Opening Multibranching Polymerization. Macromolecules, 1999, 32, 4240-4246.	2.2	994
345	Silsesquioxane-Based Amphiphiles. Langmuir, 1999, 15, 4752-4756.	1.6	74
346	The superstructure of carbosilane dendrimers with perfluorinated end groups in bulk and in solution. Macromolecular Symposia, 1999, 146, 33-39.	0.4	12
347	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. Angewandte Chemie - International Edition, 1999, 38, 3552-3555.	7.2	29
348	Phasenverhalten von Poly(di-n-decylsilan). Monatshefte FÃ¼r Chemie, 1999, 130, 175.	0.9	3
349	Carbosilandendrimere â€“ Synthese, Funktionalisierung und Anwendung. Monatshefte FÃ¼r Chemie, 1999, 130, 3.	0.9	39
350	Heteroatom-Based Dendrimers. Advanced Materials, 1998, 10, 279-293.	11.1	155
351	Ambient-Temperature Liquid-Crystalline Bismethacrylates Based on Cholesterol: Cholesteric and Smectic Thermosets. Advanced Materials, 1998, 10, 864-868.	11.1	17
352	From Random Coil to Extended Nanocylinder: Dendrimer Fragments Shape Polymer Chains. Angewandte Chemie - International Edition, 1998, 37, 2193-2197.	7.2	133
353	Hyperbranched carbosilane oxazoline-macromonomers: polymerization and coupling to a trimesic acid core. Macromolecular Rapid Communications, 1998, 19, 461-465.	2.0	39
354	Thermodynamics of polymer blends of poly(isobutylene) and poly(dimethylsilylenemethylene). Acta Polymerica, 1998, 49, 356-362.	1.4	6
355	Segmental Dynamics in Dendrimers with Perfluorinated End Groups:Â A Study Using Quasielastic Neutron Scattering. Macromolecules, 1998, 31, 5415-5423.	2.2	61
356	Hyperbranched Polymers Prepared via the Core-Dilution/Slow Addition Technique:â€‰ Computer Simulation of Molecular Weight Distribution and Degree of Branching. Macromolecules, 1998, 31, 3790-3801.	2.2	260
357	Enhancing the Degree of Branching of Hyperbranched Polymers by Postsynthetic Modification. Macromolecules, 1998, 31, 2381-2383.	2.2	70
358	Polymerization of polymer/ferroelectric liquid crystal composites formed with branched liquid crystalline bismethacrylates. Liquid Crystals, 1998, 24, 263-270.	0.9	8
359	Progress in controlled polymerization and design of novel polymer architectures. Macromolecular Symposia, 1997, 121, 53-74.	0.4	10
360	Thermal Properties of the Homologous Series of 8-fold Alkyl-Substituted Octasilsesquioxanes. Chemistry of Materials, 1997, 9, 1475-1479.	3.2	109

#	Article	IF	Citations
361	Organopalladium-Functionalized Dendrimers:Â Insertion of Palladium(0) into Peripheral Carbonâ˜Iodine Bonds of Carbosilane Dendrimers Derived from Polyols. Crystal Structure of Si{(CH2)3O2CC6H4I-4}4. Organometallics, 1997, 16, 4167-4173.	1.1	34
362	Carbosilane Dendrimers with Perfluoroalkyl End Groups. Coreâ˜Shell Macromolecules with Generation-Dependent Order. Macromolecules, 1997, 30, 6860-6868.	2.2	142
363	Ethene and Propene Copolymers Containing Silsesquioxane Side Groups. Macromolecules, 1997, 30, 2818-2824.	2.2	231
364	Degree of branching in hyperbranched polymers. Acta Polymerica, 1997, 48, 30-35.	1.4	709
365	Trends in polymer chemistry 1996. Acta Polymerica, 1997, 48, 107-115.	1.4	1
366	Hyperbranched polycarbosilane macromonomers bearing oxazoline functionalities. Macromolecular Rapid Communications, 1997, 18, 253-260.	2.0	75
367	Molecular force field study concerning the host properties of carbosilane dendrimers. Macromolecular Theory and Simulations, 1997, 6, 371-380.	0.6	17
368	Liquid Crystalline Thermosets Based on Branched Bismethacrylates. Macromolecules, 1996, 29, 7003-7011.	2.2	21
369	Solid State NMR Investigation of C1-Deuterated Poly(di-n-hexylsilylene). Macromolecules, 1996, 29, 3320-3322.	2.2	11
370	Synthesis and Photoinitiated Cationic Polymerization of 2-Methylene-7-phenyl-1,4,6,9-tetraoxaspiro[4.4]nonane. Macromolecules, 1996, 29, 3111-3116.	2.2	14
371	Synthesis of Poly(silylenemethylene)s Symmetrically Substituted with Alkyl Side Groups Containing 4â˜6 Carbon Atoms. Macromolecules, 1996, 29, 3701-3706.	2.2	39
372	Substrate-Induced Orientation of Poly(di-n-alkylsilylenes). Langmuir, 1996, 12, 584-587.	1.6	10
373	Miscibility of Poly(sila-Î±-methylstyrene) with Polystyrene. Macromolecules, 1996, 29, 1490-1497.	2.2	7
374	Mono- and Multilayers of Mesogen-Substituted Carbosilane Dendrimers on Mica. Macromolecules, 1996, 29, 8069-8076.	2.2	83
375	Optical and charge transport properties of DIâ€nâ€hexyl substituted polysilylene and polygermylene. Macromolecular Symposia, 1996, 102, 355-362.	0.4	2
376	A mesogen-functionized carbosilane dendrimer: A dendritic liquid crystalline polymer. Advanced Materials, 1996, 8, 414-416.	11.1	193
377	Dendrimere - von der Ã„sthetik zur Anwendung?. Chemie in Unserer Zeit, 1996, 30, 75-85.	0.1	30
378	Dendritic polyols based on carbosilanes â€•lipophilic dendrimers with hydrophilic skin. Macromolecular Symposia, 1996, 102, 19-26.	0.4	36

#	Article	IF	Citations
379	Charge Carrier Mobilities in Substituted Polysilylenes:Â Influence of Backbone Conformation. The Journal of Physical Chemistry, 1996, 100, 5470-5480.	2.9	35
380	Charge carrier mobilities in liquid crystalline mesomorphic poly(DIâ€nâ€Alkylsilylene)s; influence of backbone conformation. Macromolecular Symposia, 1995, 96, 219-228.	0.4	1
381	Polysilylenes with ethynylphenyl substituents. Acta Polymerica, 1995, 46, 45-49.	1.4	3
382	Hydrosilylation of 1-alkenes with dichlorosilane. Macromolecular Chemistry and Physics, 1995, 196, 185-194.	1.1	13
383	Crystalline and disordered state of poly(dihexylsilylene) copolymers. Macromolecular Chemistry and Physics, 1995, 196, 1181-1194.	1.1	2
384	Synthesis and mesomorphic behavior of poly(dipropylsilylenemethylene). Macromolecular Rapid Communications, 1995, 16, 363-372.	2.0	15
385	Synthesis and gel formation of amphiphilic semicarbazones containing saccharide units. Colloid and Polymer Science, 1995, 273, 661-674.	1.0	9
386	Photoinitiated cationic polymerization of 2-phenylsubstituted 4-methylene-1,3-dioxolanes. Journal of Polymer Science Part A, 1995, 33, 587-592.	2.5	13
387	Fullerene-End-Capped Polystyrenes. Monosubstituted Polymeric C60 Derivatives. Macromolecules, 1995, 28, 403-405.	2.2	103
388	Carbosilane-Based Dendritic Polyols. Macromolecules, 1995, 28, 6657-6661.	2.2	117
389	Structure and Chiroptical Properties of Bis[(S)-methylbutyl]silylene-Dipentylsilylene Copolymers. Macromolecules, 1995, 28, 5498-5506.	2.2	31
390	Chiral Poly(dipentylsilylene) Copolymers. Macromolecules, 1994, 27, 1814-1818.	2.2	63
391	Anisotropic Radiation-Induced Conductivity in Oriented Poly(di-n-hexylsilylene) in the Solid Phase and in the Mesophase. Macromolecules, 1994, 27, 1897-1904.	2.2	33
392	Highly oriented poly(di-n-alkylsilylene) films on oriented PTFE substrates. Advanced Materials, 1993, 5, 917-919.	11.1	29
393	Blending, geldrawing and UV-photolysis of ultrahigh molecular weight polyethylene and poly(di-n-pentylsilylene). Colloid and Polymer Science, 1993, 271, 554-562.	1.0	13
394	Radiation-induced conductivity in poly(methylphenylsilylene) and poly(di-n-hexylsilylene) studied by time-resolved microwave conductivity. Macromolecules, 1993, 26, 89-93.	2.2	37
395	Synthesis and properties of poly[bis(.gamma.-ethoxypropyl)silylene]. Macromolecules, 1993, 26, 6231-6236.	2.2	19
396	FT-IR studies on the mechanical response of the crystalline fraction in ultrastrong polyethylene tapes. Colloid and Polymer Science, 1992, 270, 440-445.	1.0	9

#	Article	IF	Citations
397	Order and thermochromism of poly(di-n-alkyl)silane copolymers. Synthetic Metals, 1991, 42, 1571-1574.	2.1	2
398	Synthesis and Characterization of Polysilanes. Journal of Macromolecular Science Part A, Chemistry, 1991, 28, 1151-1176.	0.4	37
399	Crystallization and mesomorphic disordering of di-n-hexylsilylene/di-n-pentylsilylene copolymers. Colloid and Polymer Science, 1991, 269, 442-448.	1.0	16
400	Introducing a 1,1-diphenylethylene analogue for vinylpyridine: anionic copolymerisation of 3-(1-phenylvinyl)pyridine (m-PyPE). Polymer Chemistry, 0, , .	1.9	1
401	Phase Diagram of Tapered Copolymers Based on Isoprene and Styrene. Macromolecular Chemistry and Physics, 0, , 2200033.	1.1	5