

# Holger Frey

## List of Publications by Year in descending order

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401  
papers

20,641  
citations

15001

68  
h-index

18400

124  
g-index

428  
all docs

428  
docs citations

428  
times ranked

15067  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrimers: Journal of Controlled Release, 2000, 65, 133-148.	4.8	1,151
2	Controlled Synthesis of Hyperbranched Polyglycerols by Ring-Opening Multibranching Polymerization. Macromolecules, 1999, 32, 4240-4246.	2.2	994
3	Degree of branching in hyperbranched polymers. Acta Polymerica, 1997, 48, 30-35.	1.4	709
4	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
5	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
6	Hyperbranched Polyglycerols: From the Controlled Synthesis of Biocompatible Polyether Polyols to Multipurpose Applications. Accounts of Chemical Research, 2010, 43, 129-141.	7.6	521
7	Dendritic polyglycerol: a new versatile biocompatible material. Reviews in Molecular Biotechnology, 2002, 90, 257-267.	2.9	313
8	Hyperbranched Molecular Nanocapsules: A Comparison of the Hyperbranched Architecture with the Perfect Linear Analogue. Journal of the American Chemical Society, 2002, 124, 9698-9699.	6.6	293
9	Controlling the Growth of Polymer Trees: Concepts and Perspectives For Hyperbranched Polymers. Chemistry - A European Journal, 2000, 6, 2499-2506.	1.7	277
10	Hyperbranched Polymers Prepared via the Core-Dilution/Slow Addition Technique: A Computer Simulation of Molecular Weight Distribution and Degree of Branching. Macromolecules, 1998, 31, 3790-3801.	2.2	260
11	Water-Soluble Fluorescent Ag Nanoclusters Obtained from Multiarm Star Poly(acrylic acid) as Molecular Hydrogel Templates. Advanced Materials, 2007, 19, 349-352.	11.1	251
12	Linear dendritic block copolymers: The state of the art and exciting perspectives. Progress in Polymer Science, 2011, 36, 1-52.	11.8	250
13	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. Angewandte Chemie - International Edition, 1999, 38, 3552-3555.	7.2	242
14	Ethene and Propene Copolymers Containing Silsesquioxane Side Groups. Macromolecules, 1997, 30, 2818-2824.	2.2	231
15	Beyond Poly(ethylene glycol): Linear Polyglycerol as a Multifunctional Polyether for Biomedical and Pharmaceutical Applications. Biomacromolecules, 2014, 15, 1935-1954.	2.6	202
16	Towards the Generation of Self-Healing Materials by Means of a Reversible Photo-Induced Approach. Macromolecular Rapid Communications, 2011, 32, 468-473.	2.0	198
17	A mesogen-functionized carbosilane dendrimer: A dendritic liquid crystalline polymer. Advanced Materials, 1996, 8, 414-416.	11.1	193
18	Microflow Technology in Polymer Synthesis. Macromolecules, 2012, 45, 9551-9570.	2.2	173

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19	Multifunctional Poly(ethylene glycol)s. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7988-7997.	7.2	168
20	Functional Poly(ethylene oxide) Multiarm Star Polymers: A Core-First Synthesis Using Hyperbranched Polyglycerol Initiators. <i>Macromolecules</i> , 2000, 33, 315-320.	2.2	159
21	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> , 1999, 50, 67-76.	1.4	156
22	Heteroatom-Based Dendrimers. <i>Advanced Materials</i> , 1998, 10, 279-293.	11.1	155
23	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2227-2230.	7.2	155
24	Relationship between the Structure of Amphiphilic Copolymers and Their Ability To Disturb Lipid Bilayers. <i>Biochemistry</i> , 2005, 44, 4042-4054.	1.2	148
25	Carbosilane Dendrimers with Perfluoroalkyl End Groups. Core-Shell Macromolecules with Generation-Dependent Order. <i>Macromolecules</i> , 1997, 30, 6860-6868.	2.2	142
26	Functional Polycarbonates from Carbon Dioxide and Tailored Epoxide Monomers: Degradable Materials and Their Application Potential. <i>Advanced Functional Materials</i> , 2018, 28, 1704302.	7.8	141
27	An Approach to Core-Shell-Type Architectures in Hyperbranched Polyglycerols by Selective Chemical Differentiation. <i>Macromolecules</i> , 2000, 33, 8158-8166.	2.2	139
28	From Random Coil to Extended Nanocylinder: Dendrimer Fragments Shape Polymer Chains. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2193-2197.	7.2	133
29	Carbosilane-Based Dendritic Polyols. <i>Macromolecules</i> , 1995, 28, 6657-6661.	2.2	117
30	Role of cyclization in the synthesis of hyperbranched aliphatic polyesters. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 782-791.	1.1	116
31	Hyperbranched Polyether-Polyols Based on Polyglycerol: A Polarity Design by Block Copolymerization with Propylene Oxide. <i>Macromolecules</i> , 2000, 33, 309-314.	2.2	115
32	Hyperbranched Polyglycerols with Elevated Molecular Weights: A Facile Two-Step Synthesis Protocol Based on Polyglycerol Macroinitiators. <i>Macromolecules</i> , 2009, 42, 3230-3236.	2.2	114
33	Poly(lactide)- <i>block</i> -Poly(HEMA) Block Copolymers: An Orthogonal One-Pot Combination of ROP and ATRP, Using a Bifunctional Initiator. <i>Macromolecules</i> , 2009, 42, 5622-5628.	2.2	113
34	Microstructured Reactors for Polymer Synthesis: A Renaissance of Continuous Flow Processes for Tailor-Made Macromolecules?. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 343-356.	1.1	111
35	Thermal Properties of the Homologous Series of 8-fold Alkyl-Substituted Octasilsesquioxanes. <i>Chemistry of Materials</i> , 1997, 9, 1475-1479.	3.2	109
36	Double-Hydrophilic Linear-Hyperbranched Block Copolymers Based on Poly(ethylene oxide) and Poly(glycerol). <i>Macromolecules</i> , 2008, 41, 1184-1188.	2.2	109

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37	Synthesis and Noncovalent Protein Conjugation of Linear-Hyperbranched PEG-Poly(glycerol) $\hat{I}_{\pm, \hat{I}}^{\circ}$ -Telechelics. <i>Journal of the American Chemical Society</i> , 2009, 131, 7954-7955.	6.6	107
38	Fullerene-End-Capped Polystyrenes. Monosubstituted Polymeric C60 Derivatives. <i>Macromolecules</i> , 1995, 28, 403-405.	2.2	103
39	Preparation of Catalytically Active Palladium Nanoclusters in Compartments of Amphiphilic Hyperbranched Polyglycerols. <i>Macromolecules</i> , 2000, 33, 3958-3960.	2.2	102
40	Encapsulation of Hydrophilic Pincer- $\hat{I}$ Platinum(II) Complexes in Amphiphilic Hyperbranched Polyglycerol Nanocapsules. <i>Macromolecules</i> , 2002, 35, 5734-5737.	2.2	97
41	Role of Topology and Amphiphilicity for Guest Encapsulation in Functionalized Hyperbranched Poly(ethylenimine)s. <i>Macromolecules</i> , 2005, 38, 227-229.	2.2	97
42	Poly(ethylene glycol-co-allyl glycidyl ether)s: A PEG-Based Modular Synthetic Platform for Multiple Bioconjugation. <i>Bioconjugate Chemistry</i> , 2011, 22, 436-444.	1.8	97
43	Oxidation-Responsive and "Clickable" Poly(ethylene glycol) via Copolymerization of 2-(Methylthio)ethyl Glycidyl Ether. <i>Journal of the American Chemical Society</i> , 2016, 138, 9212-9223.	6.6	96
44	Linear-dendritic nonionic poly(propylene oxide)-polyglycerol surfactants. <i>Tetrahedron</i> , 2003, 59, 4017-4024.	1.0	94
45	Carboxylated and Sulfonated Poly(arylene-co-arylene sulfone)s: A Thermostable Polyelectrolytes for Fuel Cell Applications. <i>Macromolecules</i> , 2002, 35, 7936-7941.	2.2	93
46	Hyperbranched Polylactide Copolymers. <i>Macromolecules</i> , 2006, 39, 1719-1723.	2.2	89
47	Poly(1,2-glycerol carbonate): A Fundamental Polymer Structure Synthesized from CO <sub>2</sub> and Glycidyl Ethers. <i>Macromolecules</i> , 2013, 46, 3280-3287.	2.2	86
48	Copolymers of Glycidol and Glycidyl Ethers: A Design of Branched Polyether Polyols by Combination of Latent Cyclic AB <sub>2</sub> and ABR Monomers. <i>Macromolecules</i> , 2000, 33, 7682-7692.	2.2	85
49	Mono- and Multilayers of Mesogen-Substituted Carbosilane Dendrimers on Mica. <i>Macromolecules</i> , 1996, 29, 8069-8076.	2.2	83
50	Functional PEG-based polymers with reactive groups via anionic ROP of tailor-made epoxides. <i>Polymer Chemistry</i> , 2012, 3, 1714.	1.9	83
51	Macromolecular-Multisite Catalysts Obtained by Grafting Diaminoaryl Palladium(ii) Complexes onto a Hyperbranched-Polytrialkylsilane Support. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3445-3447.	7.2	82
52	Amino Functional Poly(ethylene glycol) Copolymers via Protected Amino Glycidol. <i>Macromolecules</i> , 2010, 43, 2244-2251.	2.2	82
53	Enzyme-Catalyzed Synthesis of Hyperbranched Aliphatic Polyesters. <i>Macromolecular Rapid Communications</i> , 2002, 23, 292-296.	2.0	81
54	Reactive core/shell type hyperbranched blockcopolyethers as new liquid rubbers for epoxy toughening. <i>Polymer</i> , 2004, 45, 2155-2164.	1.8	79

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55	Hyperbranched Polyglycerol-Based Lipids via Oxyanionic Polymerization: Toward Multifunctional Stealth Liposomes. <i>Biomacromolecules</i> , 2010, 11, 568-574.	2.6	78
56	PEG-based Multifunctional Polyethers with Highly Reactive Vinyl-Ether Side Chains for Click-Type Functionalization. <i>Macromolecules</i> , 2011, 44, 6326-6334.	2.2	78
57	Silicon-Based Dendrimers. <i>Topics in Current Chemistry</i> , 2000, , 69-129.	4.0	77
58	Hyperbranched polycarbosilane macromonomers bearing oxazoline functionalities. <i>Macromolecular Rapid Communications</i> , 1997, 18, 253-260.	2.0	75
59	Chiral Hyperbranched Dendron Analogues. <i>Macromolecules</i> , 2000, 33, 253-254.	2.2	75
60	Silsesquioxane-Based Amphiphiles. <i>Langmuir</i> , 1999, 15, 4752-4756.	1.6	74
61	Grafting of hyperbranched polymers: From unusual complex polymer topologies to multivalent surface functionalization. <i>Polymer</i> , 2013, 54, 5443-5455.	1.8	74
62	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7423-7428.	2.9	74
63	Correlations between Ion Conductivity and Polymer Dynamics in Hyperbranched Poly(ethylene oxide) Electrolytes for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2011, 23, 2685-2688.	3.2	72
64	Squaric Acid Mediated Synthesis and Biological Activity of a Library of Linear and Hyperbranched Poly(Glycerol)-Protein Conjugates. <i>Biomacromolecules</i> , 2012, 13, 1161-1171.	2.6	71
65	Ferrocenyl Glycidyl Ether: A Versatile Ferrocene Monomer for Copolymerization with Ethylene Oxide to Water-Soluble, Thermoresponsive Copolymers. <i>Macromolecules</i> , 2013, 46, 647-655.	2.2	71
66	Enhancing the Degree of Branching of Hyperbranched Polymers by Postsynthetic Modification. <i>Macromolecules</i> , 1998, 31, 2381-2383.	2.2	70
67	Multi-Arm Star Poly(L-lactide) with Hyperbranched Polyglycerol Core. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1657-1665.	1.1	70
68	Synthesis of poly(glycerol)-block-poly(methyl acrylate) multi-arm star polymers. <i>Macromolecular Rapid Communications</i> , 2000, 21, 226-230.	2.0	69
69	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	1.1	69
70	Hyperbranched Polymers: Structure of Hyperbranched Polyglycerol and Amphiphilic Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	67
71	Synthesis and Characterization of Poly(glyceryl glycerol) Block Copolymers. <i>Macromolecules</i> , 2008, 41, 1909-1911.	2.2	65
72	Synthesis and Thermal Behavior of Esterified Aliphatic Hyperbranched Polyether Polyols. <i>Macromolecules</i> , 2000, 33, 1330-1337.	2.2	64

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73	Synthesis of Hyperbranched Aromatic Homo- and Copolyesters via the Slow Monomer Addition Method. <i>Macromolecules</i> , 2001, 34, 7692-7698.	2.2	64
74	Hockey-Puck Micelles from Oligo(p-benzamide)-b-PEG Rod-Coil Block Copolymers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2969-2975.	7.2	64
75	Chiral Poly(dipentylsilylene) Copolymers. <i>Macromolecules</i> , 1994, 27, 1814-1818.	2.2	63
76	Electroactive Linear-Hyperbranched Block Copolymers Based on Linear Poly(ferrocenylsilane)s and Hyperbranched Poly(carbosilane)s. <i>Chemistry - A European Journal</i> , 2009, 15, 9068-9077.	1.7	63
77	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. <i>Macromolecules</i> , 2018, 51, 3527-3537.	2.2	63
78	Hyperbranched Polyether Polyols with Liquid Crystalline Properties. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2928-2930.	7.2	62
79	Optically Active Hyperbranched Polyglycerol as Scaffold for Covalent and Noncovalent Immobilization of Platinum(II) NCN-Pincer Complexes. <i>Catalytic Application and Recovery. Organometallics</i> , 2004, 23, 1525-1532.	1.1	62
80	Linear-Hyperbranched Amphiphilic AB Diblock Copolymers Based on Polystyrene and Hyperbranched Polyglycerol. <i>Macromolecular Rapid Communications</i> , 2005, 26, 862-867.	2.0	62
81	Multi-Arm Star Polyglycerol-block-poly(tert-butyl acrylate) and the Respective Multi-Arm Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Over	1.1	62
82	Segmental Dynamics in Dendrimers with Perfluorinated End Groups: A Study Using Quasielastic Neutron Scattering. <i>Macromolecules</i> , 1998, 31, 5415-5423.	2.2	61
83	Multi-arm star block copolymers based on É-caprolactone with hyperbranched polyglycerol core. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 792-797.	1.1	60
84	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. <i>Macromolecules</i> , 2018, 51, 10246-10258.	2.2	60
85	Carbanions on Tap - Living Anionic Polymerization in a Microstructured Reactor. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1106-1114.	1.1	59
86	Recent advances in the use of nanoparticles for allergen-specific immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1461-1474.	2.7	58
87	Pd@Fe <sub>2</sub> O <sub>3</sub> Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , 2017, 29, 1134-1146.	3.2	58
88	Hyperbranched aliphatic polyether polyols. <i>Journal of Polymer Science Part A</i> , 2013, 51, 995-1019.	2.5	57
89	Functional Poly(ethylene glycol)-PEG-Based Random Copolymers with 1,2-Diol Side Chains and Terminal Amino Functionality. <i>Macromolecules</i> , 2010, 43, 8511-8518.	2.2	56
90	Branched Acid-Degradable, Biocompatible Polyether Copolymers via Anionic Ring-Opening Polymerization Using an Epoxide Inimer. <i>ACS Macro Letters</i> , 2012, 1, 1094-1097.	2.3	56

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91	Functionalization of Liposomes with Hydrophilic Polymers Results in Macrophage Uptake Independent of the Protein Corona. <i>Biomacromolecules</i> , 2019, 20, 2989-2999.	2.6	56
92	Synthesis of reactive hyperbranched and star-like polyethers and their use for toughening of vinyl ester-urethane hybrid resins. <i>Polymer</i> , 2004, 45, 1185-1195.	1.8	55
93	Linear-Hyperbranched Block Copolymers Consisting of Polystyrene and Dendritic Poly(carbosilane) Block. <i>Macromolecules</i> , 2006, 39, 971-977.	2.2	54
94	Synthesis of Hyperbranched Polyglycerol in a Continuous Flow Microreactor. <i>Chemical Engineering and Technology</i> , 2007, 30, 1519-1524.	0.9	54
95	Hetero-Multifunctional Poly(ethylene glycol) Copolymers with Multiple Hydroxyl Groups and a Single Terminal Functionality. <i>Macromolecular Rapid Communications</i> , 2010, 31, 258-264.	2.0	54
96	Synthesis of Multiarm Star Poly(glycerol)-block-Poly(2-hydroxyethyl methacrylate). <i>Biomacromolecules</i> , 2006, 7, 919-926.	2.6	53
97	Hyperbranched PEG by Random Copolymerization of Ethylene Oxide and Glycidol. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1811-1815.	2.0	53
98	Hyperbranched Poly(propylene oxide): A Multifunctional Backbone-Thermoresponsive Polyether Polyol Copolymer. <i>ACS Macro Letters</i> , 2012, 1, 888-891.	2.3	53
99	Inimer-Promoted Synthesis of Branched and Hyperbranched Polylactide Copolymers. <i>Macromolecules</i> , 2009, 42, 9443-9456.	2.2	52
100	Anionic Polymerization of Terpene Monomers: New Options for Bio-Based Thermoplastic Elastomers. <i>Macromolecules</i> , 2021, 54, 7323-7336.	2.2	52
101	Living Polymer Chains with Predictable Molecular Weight and Dispersity via Carbanionic Polymerization in Continuous Flow: Mixing Rate as a Key Parameter. <i>Macromolecules</i> , 2016, 49, 5043-5050.	2.2	51
102	Rational design of tapered multiblock copolymers for thermoplastic elastomers. <i>Progress in Polymer Science</i> , 2022, 124, 101488.	11.8	51
103	Synthesis and Supramolecular Association of Immobilized NCN-Pincer Platinum(II) Complexes on Hyperbranched Polyglycerol Supports. <i>Chemistry - A European Journal</i> , 2004, 10, 1267-1273.	1.7	50
104	Synergistic assembly of hyperbranched polyethylenimine and fatty acids leading to unusual supramolecular nanocapsules. <i>Chemical Communications</i> , 2005, , 755-757.	2.2	50
105	Celebrating 100 years of "polymer science" Hermann Staudinger's 1920 manifesto. <i>Polymer Chemistry</i> , 2020, 11, 8-14.	1.9	50
106	Poly(isoglycerol methacrylate)- <i>b</i> -poly( <i>d</i> or <i>l</i> -lactide) Copolymers: A Novel Hydrophilic Methacrylate as Building Block for Supramolecular Aggregates. <i>Macromolecules</i> , 2010, 43, 3314-3324.	2.2	49
107	Supramolecular Linear- <i>g</i> -Hyperbranched Graft Polymers: Topology and Binding Strength of Hyperbranched Side Chains. <i>Macromolecules</i> , 2013, 46, 9544-9553.	2.2	49
108	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. <i>Polymer Chemistry</i> , 2019, 10, 1213-1220.	1.9	49

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109	Experimental data and theoretical considerations on vapor-liquid and liquid-liquid equilibria of hyperbranched polyglycerol and PVA solutions. <i>Fluid Phase Equilibria</i> , 2002, 201, 359-379.	1.4	48
110	Water-Soluble Poly(vinylferrocene)- <i>b</i> -Poly(ethylene oxide) Diblock and Miktoarm Star Polymers. <i>Macromolecules</i> , 2012, 45, 3409-3418.	2.2	48
111	Universal Concept for the Implementation of a Single Cleavable Unit at Tunable Position in Functional Poly(ethylene glycol)s. <i>Biomacromolecules</i> , 2013, 14, 448-459.	2.6	48
112	Hyperbranched polyesters and their application in dental composites: monomers for low shrinking composites. <i>Polymers for Advanced Technologies</i> , 2001, 12, 346-354.	1.6	46
113	Rapid Access to Polyfunctional Lipids with Complex Architecture via Oxyanionic Ring-Opening Polymerization. <i>Macromolecules</i> , 2011, 44, 4648-4657.	2.2	46
114	<i>N,N</i> -Diallylglycidylamine: A Key Monomer for Amino-Functional Poly(ethylene glycol) Architectures. <i>Macromolecules</i> , 2012, 45, 4581-4589.	2.2	45
115	Amphiphilic Linear-Hyperbranched Block Copolymers with Linear Poly(ethylene oxide) and Hyperbranched Poly(carbosilane) Block. <i>Macromolecules</i> , 2008, 41, 9602-9611.	2.2	44
116	Catechol Acetonide Glycidyl Ether (CAGE): A Functional Epoxide Monomer for Linear and Hyperbranched Multi-Catechol Functional Polyether Architectures. <i>Macromolecules</i> , 2016, 49, 1655-1665.	2.2	44
117	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. <i>Macromolecules</i> , 2020, 53, 10397-10408.	2.2	44
118	Multihydroxyl-Functional Polystyrenes in Continuous Flow. <i>Macromolecules</i> , 2010, 43, 5582-5588.	2.2	43
119	Polysiloxane-Backbone Block Copolymers in a One-Pot Synthesis: A Silicone Platform for Facile Functionalization. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1861-1867.	2.0	43
120	Monomer Sequence Distribution Monitoring in Living Carbanionic Copolymerization by Real-Time <sup>1</sup> H NMR Spectroscopy. <i>Macromolecules</i> , 2013, 46, 8467-8471.	2.2	43
121	Hyperbranched polyglycerols by ring-opening multibranching polymerization. <i>Macromolecular Symposia</i> , 2000, 153, 187-196.	0.4	42
122	Water-Soluble $\alpha$ -Poly(propylene oxide)- $\beta$ -by Random Copolymerization of Propylene Oxide with a Protected Glycidol Monomer. <i>Macromolecules</i> , 2012, 45, 3039-3046.	2.2	42
123	Dielectric Relaxation in Carbosilane Dendrimers with Perfluorinated End Groups. <i>Macromolecules</i> , 1999, 32, 1962-1966.	2.2	41
124	Bismethacrylate-Based Hybrid Monomers via Michael-Addition Reactions. <i>Macromolecules</i> , 2001, 34, 5778-5785.	2.2	41
125	Stimuli-Responsive Y-Shaped Polymer Brushes Based on Junction-Point-Responsive Block Copolymers. <i>Advanced Materials</i> , 2012, 24, 5559-5563.	11.1	41
126	Catechol-Initiated Polyethers: Multifunctional Hydrophilic Ligands for PEGylation and Functionalization of Metal Oxide Nanoparticles. <i>Biomacromolecules</i> , 2013, 14, 193-199.	2.6	41



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127	From CO <sub>2</sub> -Based Multifunctional Polycarbonates With a Controlled Number of Functional Groups to Graft Polymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 892-901.	1.1	41
128	A Fully Synthetic Glycopeptide Antitumor Vaccine Based on Multiple Antigen Presentation on a Hyperbranched Polymer. <i>Chemistry - A European Journal</i> , 2014, 20, 4232-4236.	1.7	41
129	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> , 2015, 48, 119-130.	2.2	41
130	Tapered Multiblock Copolymers Based on Isoprene and 4-Methylstyrene: Influence of the Tapered Interface on the Self-Assembly and Thermomechanical Properties. <i>Macromolecules</i> , 2019, 52, 1577-1588.	2.2	41
131	Novel multifunctional hyperbranched polymeric photoinitiators with built-in amine coinitiators for UV curing. <i>Journal of Materials Chemistry</i> , 2007, 17, 3389.	6.7	40
132	Hyperbranched "linear" hyperbranched ABA-type block copolymers based on poly(ethylene oxide) and polyglycerol. <i>Polymer International</i> , 2009, 58, 989-995.	1.6	40
133	Conventional Oxyanionic versus Monomer-Activated Anionic Copolymerization of Ethylene Oxide with Glycidyl Ethers: Striking Differences in Reactivity Ratios. <i>ACS Macro Letters</i> , 2016, 5, 1206-1211.	2.3	40
134	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> , 2019, 10, 2863-2871.	1.9	40
135	Synthesis of Poly(silylenemethylene)s Symmetrically Substituted with Alkyl Side Groups Containing 4-6 Carbon Atoms. <i>Macromolecules</i> , 1996, 29, 3701-3706.	2.2	39
136	Hyperbranched carbosilane oxazoline-macromonomers: polymerization and coupling to a trimesic acid core. <i>Macromolecular Rapid Communications</i> , 1998, 19, 461-465.	2.0	39
137	A Road Less Traveled to Functional Polymers: Epoxide Termination in Living Carbanionic Polymer Synthesis. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1938-1947.	2.0	39
138	From an Epoxide Monomer Toolkit to Functional PEG Copolymers With Adjustable LCST Behavior. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1930-1934.	2.0	39
139	Linear-Hyperbranched Graft-Copolymers via Grafting-to Strategy Based on Hyperbranched Dendron Analogues and Reactive Ester Polymers. <i>Macromolecules</i> , 2012, 45, 5901-5910.	2.2	39
140	Aliphatic Polycarbonates Based on Carbon Dioxide, Furfuryl Glycidyl Ether, and Glycidyl Methyl Ether: Reversible Functionalization and Crosslinking. <i>Macromolecular Rapid Communications</i> , 2015, 36, 174-179.	2.0	39
141	Carbosilandendrimere - Synthese, Funktionalisierung und Anwendung. <i>Monatshefte für Chemie</i> , 1999, 130, 3.	0.9	39
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