Holger Frey

List of Publications by Year in descending order

401 papers	20,641 citations	13099 68 h-index	16183 124 g-index
428 all docs	428 docs citations	428 times ranked	13332 citing authors

#	Article	IF	Citations
1	Rational design of tapered multiblock copolymers for thermoplastic elastomers. Progress in Polymer Science, 2022, 124, 101488.	24.7	51
2	Introduction of Trifluoromethanesulfonamide Groups in Poly(ethylene oxide): Ionic Conductivity of Single-Ion-Conducting Block Copolymer Electrolytes. Macromolecules, 2022, 55, 1342-1353.	4.8	11
3	Ordering kinetics of a tapered copolymer based on isoprene and styrene. Journal of Chemical Physics, 2022, 156, 134904.	3.0	3
4	Dynamics of Poly(cyclohexene carbonate) as a Function of Molar Mass. ACS Applied Polymer Materials, 2022, 4, 3833-3843.	4.4	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.	4.8	3
6	Polyethers Based on Short-Chain Alkyl Glycidyl Ethers: Thermoresponsive and Highly Biocompatible Materials. Biomacromolecules, 2022, 23, 2219-2235.	5.4	16
7	Anionic Copolymerization of 4-Trimethylsilylstyrene: From Kinetics to Gradient and Block Copolymers. Macromolecules, 2022, 55, 4721-4732.	4.8	4
8	Temperature Variation Enables the Design of Biobased Block Copolymers via Oneâ€Step Anionic Copolymerization. Macromolecular Rapid Communications, 2021, 42, 2000513.	3.9	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.	3.9	9
10	Building Bridges by Blending: Morphology and Mechanical Properties of Binary Tapered Diblock/Multiblock Copolymer Blends. Macromolecular Chemistry and Physics, 2021, 222, 2000373.	2.2	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.	3.9	15
12	N-Oxide Polyethers as Kinetic Hydrate Inhibitors: Side Chain Ring Size Makes the Difference. Energy & Fuels, 2021, 35, 4067-4074.	5.1	10
13	Anionic Polymerization of Terpene Monomers: New Options for Bio-Based Thermoplastic Elastomers. Macromolecules, 2021, 54, 7323-7336.	4.8	52
14	Pioneering investigators 2021. Polymer Chemistry, 2021, 12, 1329-1346.	3.9	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.	4.8	11
16	Tapered copolymers of styrene and 4â€vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. Journal of Polymer Science, 2020, 58, 181-192.	3.8	4
17	Multifunctional Fe(III)â€Binding Polyethers from Hydroxamic Acidâ€Based Epoxide Monomers. Macromolecular Rapid Communications, 2020, 41, 1900282.	3.9	7
18	Celebrating 100 years of â€œpolymer scienceâ€: Hermann Staudinger's 1920 manifesto. Polymer Chemistry, 2020, 11, 8-14.	3.9	50

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19	pH-Responsive protein nanoparticlesviaconjugation of degradable PEG to the surface of cytochromec. Polymer Chemistry, 2020, 11, 551-559.	3.9	14
20	Acidâ€Cleavable Poly(ethylene glycol) Hydrogels Displaying Protein Release at pHâ€…5. Chemistry - A European Journal, 2020, 26, 2947-2953.	3.3	5
21	Hyperbranched polymer architectures: From Flory's AB(f-1) polycondensates to controlled structures. Polymer, 2020, 211, 123113.	3.8	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.	4.8	6
23	Stability of Alkyl Chain-Mediated Lipid Anchoring in Liposomal Membranes. Cells, 2020, 9, 2213.	4.1	10
24	Myrcenol-Based Monomer for Carbanionic Polymerization: Functional Copolymers with Myrcene and Bio-Based Graft Copolymers. Macromolecules, 2020, 53, 9008-9017.	4.8	20
25	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. Macromolecules, 2020, 53, 10397-10408.	4.8	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.	3.5	4
27	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
28	Tapered Multiblock Star Copolymers: Synthesis, Selective Hydrogenation, and Properties. Macromolecules, 2020, 53, 4422-4434.	4.8	20
29	Water-soluble hyperbranched polyglycerol photosensitizer for enhanced photodynamic therapy. Polymer Chemistry, 2020, 11, 3913-3921.	3.9	3
30	Targeting of Immune Cells with Trimannosylated Liposomes. Advanced Therapeutics, 2020, 3, 1900185.	3.2	11
31	Hydroxamic Acid: An Underrated Moiety? Marrying Bioinorganic Chemistry and Polymer Science. Biomacromolecules, 2020, 21, 2546-2556.	5.4	28
32	Longâ€Chain Alkyl Epoxides and Glycidyl Ethers: An Underrated Class of Monomers. Macromolecular Rapid Communications, 2020, 41, 2000225.	3.9	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.	4.8	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.	5.4	8
35	Synthesis and Solution Processing of Nylonâ€5 Ferroelectric Thin Films: The Renaissance of Oddâ€Nylons?. Macromolecular Chemistry and Physics, 2020, 221, 1900468.	2.2	12
36	A Nonconventional Approach toward Multihydroxy Functional Polystyrenes Relying on a Simple Grignard Reagent. Macromolecules, 2020, 53, 3370-3379.	4.8	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.	4.8	12
38	Amine N-Oxide Kinetic Hydrate Inhibitor Polymers for High-Salinity Applications. Energy & Fuels, 2020, 34, 6298-6305.	5.1	16
39	Local and Subchain Relaxation of Polyisoprene in Multiblock Copolymers with a Tapered Interface. Macromolecules, 2020, 53, 3042-3051.	4.8	7
40	Amino-functional polyethers: versatile, stimuli-responsive polymers. Polymer Chemistry, 2020, 11, 3940-3950.	3.9	17
41	Tapered copolymers of styrene and 4â€vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. Journal of Polymer Science, 2020, 58, 181-192.	3.8	0
42	Solution-processed transparent ferroelectric nylon thin films. Science Advances, 2019, 5, eaav3489.	10.3	36
43	Multi-olefin containing polyethers and triazolinediones: a powerful alliance. Polymer Chemistry, 2019, 10, 4699-4708.	3.9	12
44	Glycidyltosylat: Die Polymerisation eines â€œnicht polymerisierbarenâ€•Monomers ermÃ¶glicht eine universelle, polymeranaloge Funktionalisierung von Polyethern. Angewandte Chemie, 2019, 131, 13015-13018.	2.0	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.	13.8	12
46	Functionalization of Liposomes with Hydrophilic Polymers Results in Macrophage Uptake Independent of the Protein Corona. Biomacromolecules, 2019, 20, 2989-2999.	5.4	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.	3.8	7
48	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. Polymer Chemistry, 2019, 10, 1213-1220.	3.9	49
49	A general concept for the introduction of hydroxamic acids into polymers. Chemical Science, 2019, 10, 7009-7022.	7.4	10
50	Surface Modification of Nanoparticles and Nanovesicles via Click-Chemistry. Methods in Molecular Biology, 2019, 2000, 235-245.	0.9	3
51	Pioneering investigators 2019. Polymer Chemistry, 2019, 10, 2896-2905.	3.9	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.	4.8	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.	3.9	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.	3.5	11

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55	Phosphonylation Controls the Protein Corona of Multifunctional Polyglycerolâ€Modified Nanocarriers. Macromolecular Bioscience, 2019, 19, 1800468.	4.1	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.	3.9	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.	4.8	41
58	Poly(ethylene glycol) with Multiple Aldehyde Functionalities Opens up a Rich and Versatile Post-Polymerization Chemistry. Macromolecules, 2019, 52, 1785-1793.	4.8	22
59	Rapid one-pot synthesis of tapered star copolymers via ultra-fast coupling of polystyryllithium chain ends. Polymer Chemistry, 2019, 10, 1762-1768.	3.9	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.	3.9	3
61	Oxidation-responsive polyether block copolymers lead to non-ionic polymer surfactants with multiple amine N-oxides. Polymer Chemistry, 2019, 10, 1569-1574.	3.9	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.	4.8	26
63	Copolymerization of Isoprene with p-Alkylstyrene Monomers: Disparate Reactivity Ratios and the Shape of the Gradient. Macromolecules, 2019, 52, 796-806.	4.8	29
64	Comparison of Linear and Hyperbranched Polyether Lipids for Liposome Shielding by ¹⁸F-Radiolabeling and Positron Emission Tomography. Biomacromolecules, 2018, 19, 2506-2516.	5.4	20
65	Living Anionic Polymerization â€“ Part II: Further Expanding the Synthetic Versatility for Novel Polymer Architectures. Macromolecular Chemistry and Physics, 2018, 219, 1700567.	2.2	3
66	Functional Polycarbonates from Carbon Dioxide and Tailored Epoxide Monomers: Degradable Materials and Their Application Potential. Advanced Functional Materials, 2018, 28, 1704302.	14.9	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.	4.8	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.	2.2	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.	3.9	11
70	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. Macromolecules, 2018, 51, 10246-10258.	4.8	60
71	Crystalline CO₂â€Based Aliphatic Polycarbonates with Long Alkyl Chains. Macromolecular Rapid Communications, 2018, 39, e1800558.	3.9	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.	2.7	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.	4.8	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.	8.0	35
75	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. Chemistry of Materials, 2018, 30, 4277-4288.	6.7	10
76	â€œClickable PEGâ€•via anionic copolymerization of ethylene oxide and glycidyl propargyl ether. Polymer Chemistry, 2017, 8, 1882-1887.	3.9	19
77	Conducting Polymer with Orthogonal Catechol and Disulfide Anchor Groups for the Assembly of Inorganic Nanostructures. Macromolecules, 2017, 50, 3779-3788.	4.8	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.	5.7	58
79	Living Anionic Polymerization Celebrates 60 Years: Unique Features and Polymer Architectures. Macromolecular Chemistry and Physics, 2017, 218, 1700217.	2.2	10
80	Synthesis of linear polyglycerols with tailored degree of methylation by copolymerization and the effect on thermorheological behavior. Polymer, 2017, 121, 328-339.	3.8	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.	2.2	11
82	Poly(Ethylene Glycol) Dimethacrylates with Cleavable Ketal Sites: Precursors for Cleavable PEGâ€Hydrogels. Macromolecular Bioscience, 2017, 17, 1600532.	4.1	15
83	Pd@Fe₂O₃ Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. Chemistry of Materials, 2017, 29, 1134-1146.	6.7	58
84	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. Macromolecules, 2017, 50, 8755-8764.	4.8	16
85	Multiarm Polycarbonate Star Polymers with a Hyperbranched Polyether Core from CO₂ and Common Epoxides. Macromolecules, 2017, 50, 6577-6585.	4.8	15
86	Rigid Hyperbranched Polycarbonate Polyols from CO₂ and Cyclohexene-Based Epoxides. Macromolecules, 2017, 50, 6088-6097.	4.8	22
87	Silver Oxide Mediated Monotosylation of Poly(ethylene glycol) (PEG): Heterobifunctional PEG via Polymer Desymmetrization. Macromolecules, 2017, 50, 9196-9206.	4.8	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.	4.8	35
89	Examples of xylochemistry: colorants and polymers. Green Chemistry, 2017, 19, 3780-3786.	9.0	17
90	Thioetherâ€Bearing Hyperbranched Polyether Polyols with Methionineâ€Like Sideâ€Chains: A Versatile Platform for Orthogonal Functionalization. Macromolecular Rapid Communications, 2017, 38, 1600457.	3.9	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.	4.5	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.	13.7	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.	4.8	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.	4.8	18
95	Tailoring Novel PTFE Surface Properties: Promoting Cell Adhesion and Antifouling Properties via a Wet Chemical Approach. Bioconjugate Chemistry, 2016, 27, 1216-1221.	3.6	32
96	Polyvinylferrocene-Based Amphiphilic Block Copolymers Featuring Functional Junction Points for Cross-Linked Micelles. Macromolecules, 2016, 49, 3406-3414.	4.8	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.	4.8	8
98	Could allergen-specific immunotherapy benefit from the use of nanocarriers?. Nanomedicine, 2016, 11, 1329-1331.	3.3	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.	4.8	15
100	Biodegradable hyperbranched polyether-lipids with in-chain pH-sensitive linkages. Polymer Chemistry, 2016, 7, 6257-6268.	3.9	13
101	Tunable dynamic hydrophobic attachment of guest molecules in amphiphilic coreâ€“shell polymers. Polymer Chemistry, 2016, 7, 5783-5798.	3.9	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.	4.8	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.	3.3	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.	4.8	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.	4.8	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.	4.6	4
107	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. Journal of Materials Chemistry B, 2016, 4, 7423-7428.	5.8	74
108	Wet Chemistry and Peptide Immobilization on Polytetrafluoroethylene for Improved Cell-adhesion. Journal of Visualized Experiments, 2016, , .	0.3	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.	3.9	17
110	Hierachical Ni@Fe₂O₃superparticles through epitaxial growth of Î³-Fe₂O₃nanorods onin situformed Ni nanoplates. Nanoscale, 2016, 8, 9548-9555.	5.6	21
111	Processing and adjusting the hydrophilicity of poly(oxymethylene) (co)polymers: nanoparticle preparation and film formation. Polymer Chemistry, 2016, 7, 184-190.	3.9	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.	4.8	44
113	Polymerization of Ethylene Oxide, Propylene Oxide, and Other Alkylene Oxides: Synthesis, Novel Polymer Architectures, and Bioconjugation. Chemical Reviews, 2016, 116, 2170-2243.	47.7	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.	4.8	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.	3.0	6
116	Maleimide Glycidyl Ether: A Bifunctional Monomer for Orthogonal Cationic and Radical Polymerizations. Macromolecular Rapid Communications, 2015, 36, 1822-1828.	3.9	17
117	Hyperbranched poly(glycolide) copolymers with glycerol branching points via ring-opening copolymerization. Polymer, 2015, 72, 436-446.	3.8	7
118	Controllable Nonspecific Protein Adsorption by Charged Hyperbranched Polyglycerol Thin Films. Langmuir, 2015, 31, 13101-13106.	3.5	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.	5.4	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.	4.8	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.	2.7	3
122	Epicyanohydrin: Polymerization by Monomer Activation Gives Access to Nitrile-, Amino-, and Carboxyl-Functional Poly(ethylene glycol). Macromolecules, 2015, 48, 8144-8153.	4.8	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.	5.8	28
124	Water-soluble and redox-responsive hyperbranched polyether copolymers based on ferrocenyl glycidyl ether. Polymer Chemistry, 2015, 6, 7112-7118.	3.9	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.	5.4	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.	4.8	32

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127	Biodegradable pH-Sensitive Poly(ethylene glycol) Nanocarriers for Allergen Encapsulation and Controlled Release. Biomacromolecules, 2015, 16, 3103-3111.	5.4	36
128	Enhanced immunogenicity of multivalent MUC1 glycopeptide antitumour vaccines based on hyperbranched polymers. Organic and Biomolecular Chemistry, 2015, 13, 10150-10154.	2.8	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.	3.9	39
130	Evaluation of Multifunctional Liposomes in Human Blood Serum by Light Scattering. Langmuir, 2014, 30, 14954-14962.	3.5	36
131	Supramolecular Antioxidant Assemblies of Hyperbranched Polyglycerols and Phenols. Macromolecular Chemistry and Physics, 2014, 215, 2311-2317.	2.2	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.	2.2	10
133	Poly(carbonate) copolymers with a tailored number of hydroxyl groups from glycidyl ethers and CO₂. Polymer Chemistry, 2014, 5, 814-818.	3.9	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.	3.3	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.	2.3	14
136	(1â€Adamantyl)methyl Glycidyl Ether: A Versatile Building Block for Living Polymerization. Macromolecular Rapid Communications, 2014, 35, 1075-1080.	3.9	9
137	Beyond Poly(ethylene glycol): Linear Polyglycerol as a Multifunctional Polyether for Biomedical and Pharmaceutical Applications. Biomacromolecules, 2014, 15, 1935-1954.	5.4	202
138	Stimuli-Responsive Tertiary Amine Functional PEGs Based on N,N-Dialkylglycidylamines. Macromolecules, 2014, 47, 7679-7690.	4.8	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.	2.3	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.	3.6	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.	2.7	23
142	Click Modification of Multifunctional Liposomes Bearing Hyperbranched Polyether Chains. Biomacromolecules, 2014, 15, 2440-2448.	5.4	20
143	Controlled Synthesis of Multiâ€Arm Star Polyetherâ€“Polycarbonate Polyols Based on Propylene Oxide and CO₂. Macromolecular Rapid Communications, 2014, 35, 198-203.	3.9	28
144	Combining oxyanionic polymerization and click-chemistry: a general strategy for the synthesis of polyether polyol macromonomers. Polymer Chemistry, 2014, 5, 899-909.	3.9	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.	4.8	34
146	Cytotoxicity and Chemosensitizing Activity of Amphiphilic Poly(glycerol)â€“Poly(alkylene oxide) Block Copolymers. Biomacromolecules, 2014, 15, 2672-2681.	5.4	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.	4.8	31
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