

# Rainer Haag

## List of Publications by Year in descending order

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593  
papers

30,984  
citations

5896

81  
h-index

8393

147  
g-index

618  
all docs

618  
docs citations

618  
times ranked

28373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Therapeutics: Concepts and Applications. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1198-1215.	13.8	1,037
2	Stimuli-responsive polymeric nanocarriers for the controlled transport of active compounds: Concepts and applications. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 866-884.	13.7	978
3	Multivalency as a Chemical Organization and Action Principle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10472-10498.	13.8	854
4	Dendritic Polymers in Biomedical Applications: From Potential to Clinical Use in Diagnostics and Therapy. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1329-1334.	13.8	627
5	Protein Interactions with Polymer Coatings and Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8004-8031.	13.8	614
6	Electron Transport through Thin Organic Films in Metal~Insulator~Metal Junctions Based on Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2001, 123, 5075-5085.	13.7	597
7	Dendritic Polyglycerols for Biomedical Applications. <i>Advanced Materials</i> , 2010, 22, 190-218.	21.0	590
8	Supramolecular Drug~Delivery Systems Based on Polymeric Core~Shell Architectures. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 278-282.	13.8	561
9	Distance Dependence of Electron Tunneling through Self-Assembled Monolayers Measured by Conducting Probe Atomic Force Microscopy:~Unsaturated versus Saturated Molecular Junctions. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2813-2816.	2.6	461
10	Functional Graphene Nanomaterials Based Architectures: Biointeractions, Fabrications, and Emerging Biological Applications. <i>Chemical Reviews</i> , 2017, 117, 1826-1914.	47.7	425
11	Multifunctional dendritic polymers in nanomedicine: opportunities and challenges. <i>Chemical Society Reviews</i> , 2012, 41, 2824-2848.	38.1	384
12	Modern Separation Techniques for the Efficient Workup in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3964-4000.	13.8	326
13	Dendritic polyglycerol: a new versatile biocompatible material. <i>Reviews in Molecular Biotechnology</i> , 2002, 90, 257-267.	2.8	313
14	Micro- and nanogels with labile crosslinks ~ from synthesis to biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 1948-1973.	38.1	298
15	Self-Assembled Monolayers of Dendritic Polyglycerol Derivatives on Gold That Resist the Adsorption of Proteins. <i>Chemistry - A European Journal</i> , 2004, 10, 2831-2838.	3.3	268
16	Inhibition of Influenza Virus Infection by Multivalent Sialic~Acid~Functionalized Gold Nanoparticles. <i>Small</i> , 2010, 6, 2900-2906.	10.0	257
17	Hyaluronic acid-shelled acid-activatable paclitaxel prodrug micelles effectively target and treat CD44-overexpressing human breast tumor xenografts in~Avivo. <i>Biomaterials</i> , 2016, 84, 250-261.	11.4	257
18	Hyperbranched Polyether Polyols: A Modular Approach to Complex Polymer Architectures. <i>Advanced Materials</i> , 2000, 12, 235-239.	21.0	244

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19	Dendritic polyglycerol sulfates as multivalent inhibitors of inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19679-19684.	7.1	243
20	Electrical Breakdown of Aliphatic and Aromatic Self-Assembled Monolayers Used as Nanometer-Thick Organic Dielectrics. Journal of the American Chemical Society, 1999, 121, 7895-7906.	13.7	230
21	Supramolecular Aggregates of Dendritic Multishell Architectures as Universal Nanocarriers. Angewandte Chemie - International Edition, 2007, 46, 1265-1269.	13.8	226
22	pH-Responsive Molecular Nanocarriers Based on Dendritic Core-Shell Architectures. Angewandte Chemie - International Edition, 2002, 41, 4252-4256.	13.8	215
23	Nanoparticles for skin penetration enhancement – A comparison of a dendritic core-multishell-nanotransporter and solid lipid nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 243-250.	4.3	210
24	Controlled Synthesis of Cell-Laden Microgels by Radical-Free Gelation in Droplet Microfluidics. Journal of the American Chemical Society, 2012, 134, 4983-4989.	13.7	208
25	An Approach to Glycerol Dendrimers and Pseudo-Dendritic Polyglycerols. Journal of the American Chemical Society, 2000, 122, 2954-2955.	13.7	205
26	Mussel-Inspired Dendritic Polymers as Universal Multifunctional Coatings. Angewandte Chemie - International Edition, 2014, 53, 11650-11655.	13.8	202
27	Universal polymer coatings and their representative biomedical applications. Materials Horizons, 2015, 2, 567-577.	12.2	200
28	Design of therapeutic biomaterials to control inflammation. Nature Reviews Materials, 2022, 7, 557-574.	48.7	187
29	Dendritic nanocarriers based on hyperbranched polymers. Chemical Society Reviews, 2015, 44, 4145-4164.	38.1	175
30	Supramolecular Architectures of Dendritic Amphiphiles in Water. Chemical Reviews, 2016, 116, 2079-2102.	47.7	174
31	Degradable Self-Assembling Dendrons for Gene Delivery: Experimental and Theoretical Insights into the Barriers to Cellular Uptake. Journal of the American Chemical Society, 2011, 133, 20288-20300.	13.7	166
32	Highly fluorescent water-soluble polyglycerol-dendronized perylene bisimide dyes. Chemical Communications, 2010, 46, 1884-1886.	4.1	156
33	Pathogen Inhibition by Multivalent Ligand Architectures. Journal of the American Chemical Society, 2016, 138, 8654-8666.	13.7	155
34	Dendrimers and Hyperbranched Polymers as High-Loading Supports for Organic Synthesis. Chemistry - A European Journal, 2001, 7, 327-335.	3.3	148
35	Effect of Polymer Brush Architecture on Antibiofouling Properties. Biomacromolecules, 2011, 12, 4169-4172.	5.4	145
36	A Microgel Construction Kit for Bioorthogonal Encapsulation and pH-Controlled Release of Living Cells. Angewandte Chemie - International Edition, 2013, 52, 13538-13543.	13.8	145

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37	High-loading polyglycerol supported reagents for Mitsunobu- and acylation-reactions and other useful polyglycerol derivatives. <i>Molecular Diversity</i> , 2005, 9, 305-316.	3.9	143
38	An Approach to Core-Shell-Type Architectures in Hyperbranched Polyglycerols by Selective Chemical Differentiation. <i>Macromolecules</i> , 2000, 33, 8158-8166.	4.8	139
39	Surface Roughness Gradients Reveal Topography-Specific Mechanosensitive Responses in Human Mesenchymal Stem Cells. <i>Small</i> , 2020, 16, e1905422.	10.0	134
40	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. <i>Nano Letters</i> , 2019, 19, 5885-5896.	9.1	133
41	Hydrogels and Their Role in Biosensing Applications. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100062.	7.6	133
42	Surfactant free preparation of biodegradable dendritic polyglycerol nanogels by inverse nanoprecipitation for encapsulation and release of pharmaceutical biomacromolecules. <i>Journal of Controlled Release</i> , 2013, 169, 289-295.	9.9	132
43	Preserving $\pi$ -conjugation in covalently functionalized carbon nanotubes for optoelectronic applications. <i>Nature Communications</i> , 2017, 8, 14281.	12.8	130
44	Surface Roughness and Substrate Stiffness Synergize To Drive Cellular Mechanoresponse. <i>Nano Letters</i> , 2020, 20, 748-757.	9.1	129
45	A facile approach for dual-responsive prodrug nanogels based on dendritic polyglycerols with minimal leaching. <i>Journal of Controlled Release</i> , 2014, 174, 209-216.	9.9	128
46	Atomic Fe <sub>x</sub> Coupled Open Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mg-Air Batteries. <i>Advanced Materials</i> , 2018, 30, e1802669.	21.0	128
47	Dendritic Polyglycerol Sulfates as New Heparin Analogues and Potent Inhibitors of the Complement System. <i>Bioconjugate Chemistry</i> , 2004, 15, 162-167.	3.6	127
48	Synthesis and Characterization of Glycerol Dendrons, Self-Assembled Monolayers on Gold: A Detailed Study of Their Protein Resistance. <i>Biomacromolecules</i> , 2009, 10, 1043-1054.	5.4	126
49	Functional dendritic polymer architectures as stimuli-responsive nanocarriers. <i>Biochimie</i> , 2010, 92, 1242-1251.	2.6	126
50	Supramolecular Polymers as Surface Coatings: Rapid Fabrication of Healable Superhydrophobic and Slippery Surfaces. <i>Advanced Materials</i> , 2014, 26, 7358-7364.	21.0	126
51	A Universal Approach to Crosslinked Hierarchical Polymer Multilayers as Stable and Highly Effective Antifouling Coatings. <i>Advanced Materials</i> , 2014, 26, 2688-2693.	21.0	124
52	A Convergent Approach to Biocompatible Polyglycerol "Click" Dendrons for the Synthesis of Modular Core-Shell Architectures and Their Transport Behavior. <i>Chemistry - A European Journal</i> , 2008, 14, 9202-9214.	3.3	121
53	Multivalency at Interfaces: Supramolecular Carbohydrate-Functionalized Graphene Derivatives for Bacterial Capture, Release, and Disinfection. <i>Nano Letters</i> , 2015, 15, 6051-6057.	9.1	117
54	Hyperbranched PEI with Various Oligosaccharide Architectures: Synthesis, Characterization, ATP Complexation, and Cellular Uptake Properties. <i>Biomacromolecules</i> , 2009, 10, 1114-1124.	5.4	116

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55	<i>In vivo</i> delivery of small interfering RNA to tumors and their vasculature by novel dendritic nanocarriers. <i>FASEB Journal</i> , 2010, 24, 3122-3134.	0.5	115
56	Structure-biocompatibility relationship of dendritic polyglycerol derivatives. <i>Biomaterials</i> , 2010, 31, 4268-4277.	11.4	114
57	Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes. <i>ChemBioChem</i> , 2011, 12, 887-895.	2.6	113
58	Multivalent Interactions between 2D Nanomaterials and Biointerfaces. <i>Advanced Materials</i> , 2018, 30, e1706709.	21.0	112
59	Development of efficient acid cleavable multifunctional prodrugs derived from dendritic polyglycerol with a poly(ethylene glycol) shell. <i>Journal of Controlled Release</i> , 2011, 151, 295-301.	9.9	111
60	Actively targeted nanomedicines for precision cancer therapy: Concept, construction, challenges and clinical translation. <i>Journal of Controlled Release</i> , 2021, 329, 676-695.	9.9	111
61	Biocatalytic Nanomaterials: A New Pathway for Bacterial Disinfection. <i>Advanced Materials</i> , 2021, 33, e2100637.	21.0	107
62	Polyether based amphiphiles for delivery of active components. <i>Polymer</i> , 2012, 53, 3053-3078.	3.8	106
63	Multivalent Flexible Nanogels Exhibit Broad-Spectrum Antiviral Activity by Blocking Virus Entry. <i>ACS Nano</i> , 2018, 12, 6429-6442.	14.6	106
64	Influence of nanocarrier type and size on skin delivery of hydrophilic agents. <i>International Journal of Pharmaceutics</i> , 2009, 377, 169-172.	5.2	105
65	Dendritic Polyamines: Simple Access to New Materials with Defined Treelike Structures for Application in Nonviral Gene Delivery. <i>ChemBioChem</i> , 2004, 5, 1081-1087.	2.6	104
66	Development of enzymatically cleavable prodrugs derived from dendritic polyglycerol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3725-3728.	2.2	102
67	Generation of Micrometer-Sized Patterns for Microanalytical Applications Using a Laser Direct-Write Method and Microcontact Printing. <i>Analytical Chemistry</i> , 1998, 70, 4645-4652.	6.5	100
68	Mussel-Inspired Polymer-Based Universal Spray Coating for Surface Modification: Fast Fabrication of Antibacterial and Superhydrophobic Surface Coatings. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701254.	3.7	99
69	Protein Corona Formation on Colloidal Polymeric Nanoparticles and Polymeric Nanogels: Impact on Cellular Uptake, Toxicity, Immunogenicity, and Drug Release Properties. <i>Biomacromolecules</i> , 2017, 18, 1762-1771.	5.4	98
70	Combination of Surface Charge and Size Controls the Cellular Uptake of Functionalized Graphene Sheets. <i>Advanced Functional Materials</i> , 2017, 27, 1701837.	14.9	98
71	Hyperbranched polyglycerols on the nanometer and micrometer scale. <i>Biomaterials</i> , 2011, 32, 1311-1316.	11.4	97
72	Dendronized fluorosurfactant for highly stable water-in-fluorinated oil emulsions with minimal inter-droplet transfer of small molecules. <i>Nature Communications</i> , 2019, 10, 4546.	12.8	95

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73	Biocompatible Functionalized Polyglycerol Microgels with Cell Penetrating Properties. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7540-7545.	13.8	93
74	Synthesis, Reductive Cleavage, and Cellular Interaction Studies of Biodegradable, Polyglycerol Nanogels. <i>Advanced Functional Materials</i> , 2010, 20, 4133-4138.	14.9	93
75	Modular synthesis of multivalent glycoarchitectures and their unique selectin binding behavior. <i>Chemical Communications</i> , 2008, , 5851.	4.1	90
76	Charge-conversional and reduction-sensitive poly(vinyl alcohol) nanogels for enhanced cell uptake and efficient intracellular doxorubicin release. <i>Journal of Controlled Release</i> , 2015, 205, 15-24.	9.9	89
77	Enhanced Permeability and Retention-like Extravasation of Nanoparticles from the Vasculature into Tuberculosis Granulomas in Zebrafish and Mouse Models. <i>ACS Nano</i> , 2018, 12, 8646-8661.	14.6	89
78	Water-Soluble Dendritic Core-Shell-Type Architectures Based on Polyglycerol for Solubilization of Hydrophobic Drugs. <i>Chemistry - A European Journal</i> , 2007, 13, 4187-4196.	3.3	86
79	Multivalent Peptide-Nanoparticle Conjugates for Influenza Virus Inhibition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5931-5936.	13.8	86
80	Copolymers of Glycidol and Glycidyl Ethers: Design of Branched Polyether Polyols by Combination of Latent Cyclic AB <sub>2</sub> and ABR Monomers. <i>Macromolecules</i> , 2000, 33, 7682-7692.	4.8	85
81	Virus inhibition induced by polyvalent nanoparticles of different sizes. <i>Nanoscale</i> , 2014, 6, 2353.	5.6	85
82	A New Family of Nonionic Dendritic Amphiphiles Displaying Unexpected Packing Parameters in Micellar Assemblies. <i>Journal of the American Chemical Society</i> , 2010, 132, 11119-11124.	13.7	83
83	Linear polysialoside outperforms dendritic analogs for inhibition of influenza virus infection in vitro and in vivo. <i>Biomaterials</i> , 2017, 138, 22-34.	11.4	83
84	Injectable degradable PVA microgels prepared by microfluidic technology for controlled osteogenic differentiation of mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2018, 77, 28-37.	8.3	83
85	Functionalized nanographene sheets with high antiviral activity through synergistic electrostatic and hydrophobic interactions. <i>Nanoscale</i> , 2019, 11, 15804-15809.	5.6	83
86	Water-Soluble pH-Responsive Dendritic Core-Shell Nanocarriers for Polar Dyes Based on Poly(ethylene) Tj ETQo 0 0 0 rgBT /Overloc	4.1	82
87	Biofunctional nanosystems based on dendritic polymers. <i>Journal of Controlled Release</i> , 2012, 161, 484-495.	9.9	82
88	pH-Responsive Micro- and Nanocarrier Systems. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 49-51.	13.8	81
89	Functionalized nanogels carrying an anticancer microRNA for glioblastoma therapy. <i>Journal of Controlled Release</i> , 2016, 239, 159-168.	9.9	81
90	Linear Poly(methyl glycerol) and Linear Polyglycerol as Potent Protein and Cell Resistant Alternatives to Poly(ethylene glycol). <i>Chemistry - an Asian Journal</i> , 2010, 5, 1992-2000.	3.3	80

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91	Development of pH-responsive core-shell nanocarriers for delivery of therapeutic and diagnostic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1030-1034.	2.2	79
92	Penetration of normal, damaged and diseased skin - An in vitro study on dendritic core-multishell nanotransporters. <i>Journal of Controlled Release</i> , 2014, 185, 45-50.	9.9	79
93	Multivalent glycoconjugates as vaccines and potential drug candidates. <i>MedChemComm</i> , 2014, 5, 862-878.	3.4	79
94	Multiarm star nanocarriers containing a poly(ethylene imine) core and polylactide arms. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5740-5749.	2.3	78
95	Synthesis of Dendritic Polyglycerol Anions and Their Efficiency Toward L-Selectin Inhibition. <i>Biomacromolecules</i> , 2011, 12, 2502-2511.	5.4	78
96	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11198-11202.	13.8	78
97	Water-Soluble Dendritic Architectures with Carbohydrate Shells for the Templatation and Stabilization of Catalytically Active Metal Nanoparticles. <i>Macromolecules</i> , 2005, 38, 8308-8315.	4.8	77
98	Chiral Hyperbranched Dendron Analogues. <i>Macromolecules</i> , 2000, 33, 253-254.	4.8	75
99	Syntheses and Phase-Transfer Properties of Dendritic Nanocarriers That Contain Perfluorinated Shell Structures. <i>Chemistry - A European Journal</i> , 2004, 10, 2822-2830.	3.3	75
100	Influences of opioids and nanoparticles on in vitro wound healing models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 34-42.	4.3	74
101	Biocompatible fluorinated polyglycerols for droplet microfluidics as an alternative to PEG-based copolymer surfactants. <i>Lab on A Chip</i> , 2016, 16, 65-69.	6.0	74
102	A Dyadic Sensitizer for Dye Solar Cells with High Energy-Transfer Efficiency in the Device. <i>ChemPhysChem</i> , 2007, 8, 1548-1556.	2.1	73
103	Patterned Polymer Multilayers as Etch Resists. <i>Langmuir</i> , 1999, 15, 6862-6867.	3.5	72
104	Hyperbranched Polymers for the Formation and Stabilization of ZnO Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 6301-6309.	6.7	72
105	Construction of Functional Coatings with Durable and Broad-Spectrum Antibacterial Potential Based on Mussel-Inspired Dendritic Polyglycerol and in Situ-Formed Copper Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35411-35418.	8.0	72
106	Modular detergents tailor the purification and structural analysis of membrane proteins including G-protein coupled receptors. <i>Nature Communications</i> , 2020, 11, 564.	12.8	72
107	Surface-Independent Hierarchical Coatings with Superamphiphobic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29117-29127.	8.0	71
108	BMPR2 acts as a gatekeeper to protect endothelial cells from increased TGF $\beta$ responses and altered cell mechanics. <i>PLoS Biology</i> , 2019, 17, e3000557.	5.6	71

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109	Fluorescence Imaging with Multifunctional Polyglycerol Sulfates: Novel Polymeric near-IR Probes Targeting Inflammation. <i>Bioconjugate Chemistry</i> , 2011, 22, 2453-2460.	3.6	70
110	Size-dependent inhibition of herpesvirus cellular entry by polyvalent nanoarchitectures. <i>Nanoscale</i> , 2017, 9, 3774-3783.	5.6	70
111	Study of Single Protein Adsorption onto Monoamino Oligoglycerol Derivatives: A Structure-Activity Relationship. <i>Langmuir</i> , 2009, 25, 5703-5712.	3.5	69
112	Dendritic Polyglycerols with Oligoamine Shells Show Low Toxicity and High siRNA Transfection Efficiency in Vitro. <i>Bioconjugate Chemistry</i> , 2010, 21, 1744-1752.	3.6	69
113	Dendritic multishell architectures for drug and dye transport. <i>Journal of Controlled Release</i> , 2008, 132, 289-294.	9.9	68
114	Cross-Linked Hyperbranched Polyglycerols as Hosts for Selective Binding of Guest Molecules. <i>Journal of the American Chemical Society</i> , 2009, 131, 10574-10580.	13.7	68
115	An Amphiphilic Perylene Imido Diester for Selective Cellular Imaging. <i>Bioconjugate Chemistry</i> , 2013, 24, 153-158.	3.6	68
116	The Role of Dimension in Multivalent Binding Events: Structure-Activity Relationship of Dendritic Polyglycerol Sulfate Binding to <i>E</i> -Selectin in Correlation with Size and Surface Charge Density. <i>Macromolecular Bioscience</i> , 2011, 11, 1088-1098.	4.1	67
117	Material development for dye solar modules: results from an integrated approach. <i>Progress in Photovoltaics: Research and Applications</i> , 2008, 16, 489-501.	8.1	66
118	Polyglycerol nanogels: highly functional scaffolds for biomedical applications. <i>Soft Matter</i> , 2010, 6, 4968.	2.7	66
119	DNA-Controlled Bivalent Presentation of Ligands for the Estrogen Receptor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8592-8596.	13.8	65
120	Functionalized Graphene as Extracellular Matrix Mimics: Toward Well-Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1606477.	14.9	65
121	Understanding the Interaction of Polyelectrolyte Architectures with Proteins and Biosystems. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3882-3904.	13.8	65
122	Polyglycerolsulfate Functionalized Gold Nanorods as Optoacoustic Signal Nanoamplifiers for In Vivo Bioimaging of Rheumatoid Arthritis. <i>Theranostics</i> , 2014, 4, 629-641.	10.0	65
123	Linear and Hyperbranched Polyglycerol Derivatives as Excellent Bioinert Glass Coating Materials. <i>Advanced Engineering Materials</i> , 2011, 13, B501.	3.5	64
124	Identification of Dormancy-Associated MicroRNAs for the Design of Osteosarcoma-Targeted Dendritic Polyglycerol Nanopolyplexes. <i>ACS Nano</i> , 2016, 10, 2028-2045.	14.6	64
125	An Experimental Thermochemical and Theoretical Study of Triquinacene: A Definitive Disproof of Its Neutral Homoaromaticity. <i>Journal of the American Chemical Society</i> , 1998, 120, 11130-11135.	13.7	62
126	Microfluidic synthesis of monodisperse porous microspheres with size-tunable pores. <i>Soft Matter</i> , 2012, 8, 10636.	2.7	62



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127	Targeted Delivery of Dendritic Polyglycerol-Doxorubicin Conjugates by scFv-SNAP Fusion Protein Suppresses EGFR Cancer Cell Growth. <i>Biomacromolecules</i> , 2013, 14, 2510-2520.	5.4	62
128	Charge Matters: Mutations in Omicron Variant Favor Binding to Cells. <i>ChemBioChem</i> , 2022, 23, e202100681.	2.6	62
129	Multispectral optoacoustic tomography of myocardial infarction. <i>Photoacoustics</i> , 2013, 1, 3-8.	7.8	61
130	Multivalent Anchoring and Cross-Linking of Mussel-Inspired Antifouling Surface Coatings. <i>Biomacromolecules</i> , 2014, 15, 3061-3071.	5.4	61
131	Glycine-Terminated Dendritic Amphiphiles for Nonviral Gene Delivery. <i>Biomacromolecules</i> , 2012, 13, 3087-3098.	5.4	60
132	Size Dependence of Steric Shielding and Multivalency Effects for Globular Binding Inhibitors. <i>Journal of the American Chemical Society</i> , 2015, 137, 2572-2579.	13.7	60
133	Tribenzaceptalene Dianion and 4,7-Disubstituted Tribenzodihydroaceptalene Derivatives: Formation, Reactions, and Structural Properties of Potential Tribenzaceptalene Precursors. <i>Journal of the American Chemical Society</i> , 1995, 117, 10474-10485.	13.7	59
134	Cross-Linked Glycerol Dendrimers and Hyperbranched Polymers as Ionophoric, Organic Nanoparticles Soluble in Water and Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8164-8167.	13.8	59
135	Functional Nanoparticles from Dendritic Precursors: Hierarchical Assembly in Miniemulsion. <i>Macromolecules</i> , 2009, 42, 556-559.	4.8	59
136	Tandem Coordination, Ring-Opening, Hyperbranched Polymerization for the Synthesis of Water-Soluble Core-Shell Unimolecular Transporters. <i>ACS Macro Letters</i> , 2012, 1, 564-567.	4.8	59
137	Dendritic Aliphatic Polyethers as High-Loading Soluble Supports for Carbonyl Compounds and Parallel Membrane Separation Techniques. <i>ACS Combinatorial Science</i> , 2002, 4, 112-119.	3.3	57
138	Highly Efficient Multivalent 2D Nanosystems for Inhibition of Orthopoxvirus Particles. <i>Advanced Healthcare Materials</i> , 2016, 5, 2922-2930.	7.6	57
139	Controlled Covalent Functionalization of Thermally Reduced Graphene Oxide To Generate Defined Bifunctional 2D Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2675-2679.	13.8	57
140	Positively Charged Nanoaggregates Based on Zwitterionic Pillar[5]arene that Combat Planktonic Bacteria and Disrupt Biofilms. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3645-3649.	13.8	57
141	Supramolecular Immobilization of a Perfluoro-Tagged Pd-Catalyst with Dendritic Architectures and Application in Suzuki Reactions. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1389-1394.	4.3	56
142	Photoresponsive Crosslinked Hyperbranched Polyglycerols as Smart Nanocarriers for Guest Binding and Controlled Release. <i>Small</i> , 2009, 5, 2199-2204.	10.0	56
143	Size-Dependant Cellular Uptake of Dendritic Polyglycerol. <i>Small</i> , 2011, 7, 820-829.	10.0	56
144	Dendritic Polymers with a Core-Multishell Architecture: A Versatile Tool for the Stabilization of Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 2423-2425.	6.7	55

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145	Cyclo(RGD)â€Decorated Reductionâ€Responsive Nanogels Mediate Targeted Chemotherapy of Integrin Overexpressing Human Glioblastoma In Vivo. <i>Small</i> , 2017, 13, 1601997.	10.0	55
146	Retinoic Acid-Loaded Dendritic Polyglycerol-Conjugated Gold Nanostars for Targeted Photothermal Therapy in Breast Cancer Stem Cells. <i>ACS Nano</i> , 2021, 15, 15069-15084.	14.6	55
147	pH-degradable PVA-based nanogels via photo-crosslinking of thermo-preinduced nanoaggregates for controlled drug delivery. <i>Journal of Controlled Release</i> , 2017, 259, 160-167.	9.9	54
148	Imine Derivatives on Au(111): Evidence for â€œInvertedâ€Thermal Isomerization. <i>ACS Nano</i> , 2011, 5, 2090-2097.	14.6	53
149	Aggregation Phenomena of Host and Guest upon the Loading of Dendritic Core-Multishell Nanoparticles with Solvatochromic Dyes. <i>Macromolecules</i> , 2012, 45, 9452-9459.	4.8	53
150	Dendritic coreâ€shell systems as soft drug delivery nanocarriers. <i>Biotechnology Advances</i> , 2015, 33, 1327-1341.	11.7	53
151	High-Antifouling Polymer Brush Coatings on Nonpolar Surfaces via Adsorption-Cross-Linking Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44281-44292.	8.0	53
152	Energy Transfer in Nanotubeâ€Perylene Complexes. <i>Advanced Functional Materials</i> , 2012, 22, 3921-3926.	14.9	52
153	<i>cis</i> â€ <i>trans</i> Isomerisation of Substituted Aromatic Imines: A Comparative Experimental and Theoretical Study. <i>ChemPhysChem</i> , 2011, 12, 2311-2321.	2.1	50
154	A bifunctional nanocarrier based on amphiphilic hyperbranched polyglycerol derivatives. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3569.	5.8	50
155	Co-targeting the tumor endothelium and P-selectin-expressing glioblastoma cells leads to a remarkable therapeutic outcome. <i>ELife</i> , 2017, 6, .	6.0	50
156	A Waterâ€Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers. <i>Advanced Materials</i> , 2018, 30, 1705452.	21.0	50
157	Ligand Diffusion Enables Forceâ€Independent Cell Adhesion via Activating $\beta$ 1 Integrin and Initiating Rac and RhoA Signaling. <i>Advanced Materials</i> , 2020, 32, e2002566.	21.0	50
158	Overcoming Kinetic Limitations of Electron Injection in the Dye Solar Cell via Coadsorption and FRET. <i>ChemPhysChem</i> , 2008, 9, 793-798.	2.1	49
159	Photoresponsive Switches at Surfaces Based on Supramolecular Functionalization with Azobenzeneâ€Oligoglycerol Conjugates. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9669-9673.	13.8	49
160	pH-sensitive Eudragitâ® L 100 nanoparticles promote cutaneous penetration and drug release on the skin. <i>Journal of Controlled Release</i> , 2019, 295, 214-222.	9.9	49
161	ZnO/Nanocarbonsâ€Modified Fibrous Scaffolds for Stem Cellâ€Based Osteogenic Differentiation. <i>Small</i> , 2020, 16, e2003010.	10.0	49
162	Polysulfates Block SARSâ€CoVâ€2 Uptake through Electrostatic Interactions**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15870-15878.	13.8	49

#	ARTICLE	IF	CITATIONS
163	Dendritic Fluoroalcohols as Catalysts for Alkene Epoxidation with Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 739-743.	13.8	48
164	Dendritic Polyglycerol Core-Double-Shell Architectures: Synthesis and Transport Properties. <i>Macromolecules</i> , 2009, 42, 5545-5550.	4.8	47
165	Functionalized graphene sheets for intracellular controlled release of therapeutic agents. <i>Nanoscale</i> , 2017, 9, 18931-18939.	5.6	47
166	Controlled Release of DNA From Photoresponsive Hyperbranched Polyglycerols with Oligoamine Shells. <i>Macromolecular Bioscience</i> , 2011, 11, 1736-1746.	4.1	46
167	Synthesis and Biological Evaluation of Radio and Dye Labeled Amino Functionalized Dendritic Polyglycerol Sulfates as Multivalent Anti-Inflammatory Compounds. <i>Bioconjugate Chemistry</i> , 2013, 24, 1507-1514.	3.6	46
168	Thermoresponsive Amphiphilic Functionalization of Thermally Reduced Graphene Oxide to Study Graphene/Bacteria Hydrophobic Interactions. <i>Langmuir</i> , 2019, 35, 4736-4746.	3.5	46
169	pH-Responsive Dendritic Core-Shell Multishell Nanocarriers. <i>Journal of Controlled Release</i> , 2014, 185, 99-108.	9.9	45
170	Polyglycerol coated polypropylene surfaces for protein and bacteria resistance. <i>Polymer Chemistry</i> , 2015, 6, 1350-1359.	3.9	45
171	The influence of surface charge on serum protein interaction and cellular uptake: studies with dendritic polyglycerols and dendritic polyglycerol-coated gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2001-2019.	6.7	45
172	Spiky Nanostructures with Geometry-matching Topography for Virus Inhibition. <i>Nano Letters</i> , 2020, 20, 5367-5375.	9.1	45
173	Polyglycerol as a High-Loading Support for Boronic Acids with Application in Solution-Phase Suzuki Cross-Couplings. <i>Journal of Organic Chemistry</i> , 2002, 67, 9452-9455.	3.2	44
174	Highly Regioselective Synthesis of Amino-Functionalized Dendritic Polyglycerols by a One-Pot Hydroformylation/Reductive Amination Sequence. <i>Journal of Organic Chemistry</i> , 2005, 70, 2021-2025.	3.2	44
175	Dendritic polyamine architectures with lipophilic shells as nanocompartments for polar guest molecules: A comparative study of their transport behavior. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2287-2303.	2.3	44
176	Polyglycerol-Supported Co <sup>II</sup> and Mn <sup>II</sup> Salen Complexes as Efficient and Recyclable Homogeneous Catalysts for the Hydrolytic Kinetic Resolution of Terminal Epoxides and Asymmetric Olefin Epoxidation. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2135-2141.	2.4	44
177	Boronate Cross-Linked ATP- and pH-Responsive Nanogels for Intracellular Delivery of Anticancer Drugs. <i>Advanced Healthcare Materials</i> , 2015, 4, 585-592.	7.6	44
178	Dendronized Multifunctional Amphiphilic Polymers as Efficient Nanocarriers for Biomedical Applications. <i>Macromolecular Rapid Communications</i> , 2015, 36, 254-261.	3.9	44
179	Supramolecular Copolymerization as a Strategy to Control the Stability of Self-Assembled Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6843-6847.	13.8	44
180	Functionalized 2D nanomaterials with switchable binding to investigate graphene-bacteria interactions. <i>Nanoscale</i> , 2018, 10, 9525-9537.	5.6	44

#	ARTICLE	IF	CITATIONS
181	Dynamic Mechanicsâ€Modulated Hydrogels to Regulate the Differentiation of Stemâ€Cell Spheroids in Soft Microniches and Modeling of the Nonlinear Behavior. <i>Small</i> , 2019, 15, e1901920.	10.0	44
182	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 12181-12192.	13.7	43
183	Biocatalytic Route to Sugar-PEG-Based Polymers for Drug Delivery Applications. <i>Biomacromolecules</i> , 2011, 12, 3487-3498.	5.4	42
184	Synthesis and Optical Properties of Waterâ€Soluble Polyglycerolâ€Dendronized Rylene Bisimide Dyes. <i>Chemistry - A European Journal</i> , 2013, 19, 10911-10921.	3.3	42
185	Photoswitchable single-walled carbon nanotubes for super-resolution microscopy in the near-infrared. <i>Science Advances</i> , 2019, 5, eaax1166.	10.3	42
186	Graphene Sheets with Defined Dual Functionalities for the Strong SARSâ€CoVâ€2 Interactions. <i>Small</i> , 2021, 17, e2007091.	10.0	42
187	Responsive Emulsions for Sequential Multienzyme Cascades. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8410-8414.	13.8	42
188	Multivalent Presentation of Mannose on Hyperbranched Polyglycerol and their Interaction with Concanavalin A Lectin. <i>ChemBioChem</i> , 2011, 12, 1075-1083.	2.6	41
189	Selfâ€Strengthening Adhesive Force Promotes Cell Mechanotransduction. <i>Advanced Materials</i> , 2020, 32, e2006986.	21.0	41
190	Dendritic and lipid-based carriers for gene/siRNA delivery (a review). <i>Current Opinion in Solid State and Materials Science</i> , 2012, 16, 310-322.	11.5	40
191	Multi-stage, charge conversional, stimuli-responsive nanogels for therapeutic protein delivery. <i>Biomaterials Science</i> , 2015, 3, 1487-1496.	5.4	40
192	Surface Functionalization of Poly(ether imide) Membranes with Linear, Methylated Oligoglycerols for Reducing Thrombogenicity. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1487-1492.	3.9	39
193	Nonâ€Ionic Dendronized Multiamphiphilic Polymers as Nanocarriers for Biomedical Applications. <i>Small</i> , 2013, 9, 894-904.	10.0	39
194	Multivalent anchored and crosslinked hyperbranched polyglycerol monolayers as antifouling coating for titanium oxide surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 684-692.	5.0	39
195	Counterion-Release Entropy Governs the Inhibition of Serum Proteins by Polyelectrolyte Drugs. <i>Biomacromolecules</i> , 2018, 19, 409-416.	5.4	39
196	Graphene Oxideâ€Cyclic R10 Peptide Nuclear Translocation Nanoplatfoms for the Surmounting of Multipleâ€Drug Resistance. <i>Advanced Functional Materials</i> , 2020, 30, 2000933.	14.9	39
197	In vitro efficacy of Artemisia extracts against SARS-CoV-2. <i>Virology Journal</i> , 2021, 18, 182.	3.4	39
198	Enzymatically Cross-Linked Hyperbranched Polyglycerol Hydrogels as Scaffolds for Living Cells. <i>Biomacromolecules</i> , 2014, 15, 3881-3890.	5.4	38

#	ARTICLE	IF	CITATIONS
199	Dendritic Polyglycerol Sulfate Inhibits Microglial Activation and Reduces Hippocampal CA1 Dendritic Spine Morphology Deficits. <i>Biomacromolecules</i> , 2015, 16, 3073-3082.	5.4	38
200	Complex Assembly of Polymer Conjugated Mesoporous Silica Nanoparticles for Intracellular pH-Responsive Drug Delivery. <i>Langmuir</i> , 2016, 32, 12453-12460.	3.5	38
201	A Nanohookâ€Equipped Bionanocatalyst for Localized Nearâ€Infraredâ€Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	38
202	pH-Responsive dendritic core-shell architectures as amphiphilic nanocarriers for polar drugs. <i>Journal of Drug Targeting</i> , 2006, 14, 367-374.	4.4	37
203	Exploiting Fluorescence Lifetime Plasticity in FLIM: Target Molecule Localization in Cells and Tissues. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 724-728.	2.8	37
204	Fibrous Networks with Incorporated Macrocycles: A Chiral Stimuliâ€Responsive Supramolecular Supergelator and Its Application to Biocatalysis in Organic Media. <i>Chemistry - A European Journal</i> , 2013, 19, 10150-10159.	3.3	37
205	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives. <i>Chemical Society Reviews</i> , 2016, 45, 6855-6887.	38.1	37
206	Bioinspired Universal Monolayer Coatings by Combining Concepts from Blood Protein Adsorption and Mussel Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6624-6633.	8.0	37
207	Green Synthesis of Hyperbranched Polyglycerol at Room Temperature. <i>ACS Macro Letters</i> , 2017, 6, 35-40.	4.8	37
208	Mussel-inspired coatings with tunable wettability, for enhanced antibacterial efficiency and reduced bacterial adhesion. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3438-3445.	5.8	37
209	Novel dendritic polyglycerol-conjugated, mesoporous silica-based targeting nanocarriers for co-delivery of doxorubicin and tariquidar to overcome multidrug resistance in breast cancer stem cells. <i>Journal of Controlled Release</i> , 2021, 330, 1106-1117.	9.9	37
210	Polyglycerol for Half-Life Extension of Proteinsâ€Alternative to PEGylation?. <i>Biomacromolecules</i> , 2021, 22, 1406-1416.	5.4	37
211	New Approaches Towards Monoamino Polyglycerol Dendrons and Dendritic Triblock Amphiphiles. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 53-63.	2.4	36
212	Micelles with Sheddable Dendritic Polyglycerol Sulfate Shells Show Extraordinary Tumor Targetability and Chemotherapy <i>in Vivo</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27530-27538.	8.0	36
213	Fluorine-free superwetting systems: construction of environmentally friendly superhydrophilic, superhydrophobic, and slippery surfaces on various substrates. <i>Polymer Chemistry</i> , 2016, 7, 7446-7454.	3.9	36
214	Restoring the oncosuppressor activity of microRNA-34a in glioblastoma using a polyglycerol-based polyplex. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2201-2214.	3.3	36
215	Polyvalent 2D Entry Inhibitors for Pseudorabies and African Swine Fever Virus. <i>Macromolecular Bioscience</i> , 2017, 17, 1600499.	4.1	36
216	Rhamnolipids form drug-loaded nanoparticles for dermal drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 31-37.	4.3	36

#	ARTICLE	IF	CITATIONS
217	Supramolecular nanogels fabricated via host-guest molecular recognition as penetration enhancer for dermal drug delivery. <i>Journal of Controlled Release</i> , 2019, 300, 64-72.	9.9	36
218	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12417-12422.	13.8	36
219	Elastomeric optical elements with deformable surface topographies: applications to force measurements, tunable light transmission and light focusing. <i>Sensors and Actuators A: Physical</i> , 2000, 86, 81-85.	4.1	35
220	Supramolecular Aggregates of Water Soluble Dendritic Polyglycerol Architectures for the Solubilization of Hydrophobic Compounds. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1516-1520.	3.9	35
221	Electronic structure and electron dynamics at an organic molecule/metal interface: interface states of tetra- <i>tert</i> -butyl-imine/Au(111). <i>New Journal of Physics</i> , 2010, 12, 125022.	2.9	35
222	Skin penetration enhancement of core-multishell nanotransporters and invasomes measured by electron paramagnetic resonance spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 416, 223-8.	5.2	35
223	Enzymatically crosslinked dendritic polyglycerol nanogels for encapsulation of catalytically active proteins. <i>Soft Matter</i> , 2015, 11, 972-980.	2.7	35
224	Development of biodegradable hyperbranched core-multishell nanocarriers for efficient topical drug delivery. <i>Journal of Controlled Release</i> , 2016, 242, 42-49.	9.9	35
225	Defined pH-sensitive nanogels as gene delivery platform for siRNA mediated in vitro gene silencing. <i>Biomaterials Science</i> , 2017, 5, 2328-2336.	5.4	35
226	Fluorescent Polymer-Single-Walled Carbon Nanotube Complexes with Charged and Noncharged Dendronized Perylene Bisimides for Bioimaging Studies. <i>Small</i> , 2018, 14, e1800796.	10.0	35
227	Biospecific Monolayer Coating for Multivalent Capture of Circulating Tumor Cells with High Sensitivity. <i>Advanced Functional Materials</i> , 2019, 29, 1808961.	14.9	35
228	Functional Surfactants for Carbon Nanotubes: Effects of Design. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1157-1162.	3.1	34
229	Towards engineering of self-assembled nanostructures using non-ionic dendritic amphiphiles. <i>Chemical Communications</i> , 2015, 51, 8648-8651.	4.1	34
230	Time-Resolved Fluorescence Spectroscopy and Fluorescence Lifetime Imaging Microscopy for Characterization of Dendritic Polymer Nanoparticles and Applications in Nanomedicine. <i>Molecules</i> , 2017, 22, 17.	3.8	34
231	Hyperbranched Polyglycerol Loaded with (Zinc-)Porphyrins: Photosensitizer Release Under Reductive and Acidic Conditions for Improved Photodynamic Therapy. <i>Biomacromolecules</i> , 2018, 19, 222-238.	5.4	34
232	Polymersome Formation by Amphiphilic Polyglycerol-polydisulfide-polyglycerol and Glutathione-Triggered Intracellular Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 3353-3363.	5.4	34
233	Cellular Copper Import by Nanocarrier Systems, Intracellular Availability, and Effects on Amyloid $\beta$ Peptide Secretion. <i>Biochemistry</i> , 2009, 48, 4273-4284.	2.5	33
234	Synthesis and properties of fluorescent dyes conjugated to hyperbranched polyglycerols. <i>New Journal of Chemistry</i> , 2012, 36, 419-427.	2.8	33

#	ARTICLE	IF	CITATIONS
235	Nanodynamics of Dendritic Core-Multishell Nanocarriers. <i>Langmuir</i> , 2014, 30, 1686-1695.	3.5	33
236	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. <i>Biophysical Journal</i> , 2019, 116, 1037-1048.	0.5	33
237	Polyglycerol-derived amphiphiles for single walled carbon nanotube suspension. <i>Chemical Physics Letters</i> , 2010, 493, 147-150.	2.6	32
238	Polyglycerol coatings of glass vials for protein resistance. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 756-764.	4.3	32
239	Polyglycerol-based amphiphilic dendrons as potential siRNA carriers for in vivo applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2153-2167.	5.8	32
240	Shell Cleavable Dendritic Polyglycerol Sulfates Show High Anti-Inflammatory Properties by Inhibiting Selectin Binding and Complement Activation. <i>Advanced Healthcare Materials</i> , 2015, 4, 2154-2162.	7.6	32
241	Synthesis and Biodistribution Studies of <sup>3</sup> H- and <sup>64</sup> Cu-Labeled Dendritic Polyglycerol and Dendritic Polyglycerol Sulfate. <i>Bioconjugate Chemistry</i> , 2015, 26, 906-918.	3.6	32
242	Dendritic polyglycerol sulfate as a novel platform for paclitaxel delivery: pitfalls of ester linkage. <i>Nanoscale</i> , 2015, 7, 3923-3932.	5.6	32
243	Intradermal drug delivery by nanogel-peptide conjugates; specific and efficient transport of temoporfin. <i>Journal of Controlled Release</i> , 2016, 242, 35-41.	9.9	32
244	Tailored dendritic core-multishell nanocarriers for efficient dermal drug delivery: A systematic top-down approach from synthesis to preclinical testing. <i>Journal of Controlled Release</i> , 2016, 242, 50-63.	9.9	32
245	Charged Dendrimers Revisited: Effective Charge and Surface Potential of Dendritic Polyglycerol Sulfate. <i>Macromolecules</i> , 2017, 50, 4759-4769.	4.8	32
246	Mannose-Functionalized Hyperbranched Polyglycerol Loaded with Zinc Porphyrin: Investigation of the Multivalency Effect in Antibacterial Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2017, 23, 3918-3930.	3.3	32
247	Polyglycerol-opioid conjugate produces analgesia devoid of side effects. <i>ELife</i> , 2017, 6, .	6.0	32
248	Thermally Responsive Microfibers Mediated Stem Cell Fate via Reversibly Dynamic Mechanical Stimulation. <i>Advanced Functional Materials</i> , 2018, 28, 1804773.	14.9	32
249	Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. <i>Journal of Chemical Physics</i> , 2018, 149, 163324.	3.0	32
250	The Long Elusive Acepentalene—Experimental and Theoretical Evidence for its Existence. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1317-1319.	4.4	31
251	In-depth analysis of switchable glycerol based polymeric coatings for cell sheet engineering. <i>Acta Biomaterialia</i> , 2015, 25, 43-55.	8.3	31
252	Core-multishell nanocarriers: Transport and release of dexamethasone probed by soft X-ray spectromicroscopy. <i>Journal of Controlled Release</i> , 2016, 242, 64-70.	9.9	31

#	ARTICLE	IF	CITATIONS
253	Synthesis of poly(lactide-co-glycerol) as a biodegradable and biocompatible polymer with high loading capacity for dermal drug delivery. <i>Nanoscale</i> , 2018, 10, 16848-16856.	5.6	31
254	A new approach to dendritic supported NIXANTPHOS-based hydroformylation catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 257, 78-88.	4.8	30
255	Dendritic polyglycerolamine as a functional antifouling coating of gold surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 19488.	6.7	30
256	Impact of structural differences in hyperbranched polyglycerol-polyethylene glycol nanoparticles on dermal drug delivery and biocompatibility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 625-634.	4.3	30
257	Interactions of Fullerene-Polyglycerol Sulfates at Viral and Cellular Interfaces. <i>Small</i> , 2018, 14, e1800189.	10.0	30
258	Supramolecular Double Helices from Small C <sub>3</sub> -Symmetrical Molecules Aggregated in Water. <i>Journal of the American Chemical Society</i> , 2020, 142, 17644-17652.	13.7	30
259	Chemical Approaches to Synthetic Drug Delivery Systems for Systemic Applications. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
260	Continuous Application of Polyglycerol-Supported Salen in a Membrane Reactor: Asymmetric Epoxidation of 6-Cyano-2,2-dimethylchromene. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 919-925.	4.3	29
261	New Polymer-Supported Catalysts for the Asymmetric Transfer Hydrogenation of Acetophenone in Water – Kinetic and Mechanistic Investigations. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1335-1344.	4.3	29
262	Synthesis of multiarm star copolymers based on polyglycerol cores with polylactide arms and their application as nanocarriers. <i>RSC Advances</i> , 2015, 5, 14958-14966.	3.6	29
263	Injectable hydrogels for treatment of osteoarthritis – A rheological study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 477-483.	5.0	29
264	Conformational Analysis of Bivalent Estrogen Receptor Ligands: From Intramolecular to Intermolecular Binding. <i>ChemBioChem</i> , 2011, 12, 2587-2598.	2.6	28
265	Synthesis and Validation of Functional Nanogels as pH-Sensors in the Hair Follicle. <i>Macromolecular Bioscience</i> , 2017, 17, 1600505.	4.1	28
266	Mussel-Inspired Polyglycerol Coatings with Controlled Wettability: From Superhydrophilic to Superhydrophobic Surface Coatings. <i>Langmuir</i> , 2017, 33, 9508-9520.	3.5	28
267	Dendritic Polyglycerol Sulfates in the Prevention of Synaptic Loss and Mechanism of Action on Glia. <i>ACS Chemical Neuroscience</i> , 2018, 9, 260-271.	3.5	28
268	A multivalent polyanion-dispersed carbon nanotube toward highly bioactive nanostructured fibrous stem cell scaffolds. <i>Applied Materials Today</i> , 2019, 16, 518-528.	4.3	28
269	Tumor Microenvironment-Activatable Nanoenzymes for Mechanical Remodeling of Extracellular Matrix and Enhanced Tumor Chemotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2007544.	14.9	28
270	Electrolysis as an Efficient Key Step in the Homogeneous Polymer-Supported Synthesis of N-Substituted Pyrroles. <i>Organic Letters</i> , 2006, 8, 403-406.	4.6	27



#	ARTICLE	IF	CITATIONS
271	Chirally Modified Platinum Nanoparticles Stabilized by Dendritic Core–Multishell Architectures for the Asymmetric Hydrogenation of Ethyl Pyruvate. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1503-1511.	4.3	27
272	Immobilization of a Modified Tethered Rhodium(III)–Toluenesulfonyl–1,2-diphenylethylenediamine Catalyst on Soluble and Solid Polymeric Supports and Successful Application to Asymmetric Transfer Hydrogenation of Ketones. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2497-2506.	4.3	27
273	Controlled reversible debundling of single-walled carbon nanotubes by photo-switchable dendritic surfactants. <i>Nanoscale</i> , 2012, 4, 3029.	5.6	27
274	Polyglycerol-Derived Amphiphiles for the Solubilization of Single-Walled Carbon Nanotubes in Water: A Structure–Property Study. <i>ChemPhysChem</i> , 2012, 13, 203-211.	2.1	27
275	Systematic adjustment of charge densities and size of polyglycerol amines reduces cytotoxic effects and enhances cellular uptake. <i>Biomaterials Science</i> , 2015, 3, 1459-1465.	5.4	27
276	Structure–Transport Relationship of Dendritic Core–Shell Nanocarriers for Polar Dyes. <i>Macromolecular Rapid Communications</i> , 2008, 29, 171-174.	3.9	26
277	Intramolecular Acceleration of Asymmetric Epoxide Ring–Opening by Dendritic Polyglycerol Salen–Cr <sup>III</sup> Complexes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3272-3278.	2.4	26
278	The Effect of Polyglycerol Sulfate Branching On Inflammatory Processes. <i>Macromolecular Bioscience</i> , 2014, 14, 643-654.	4.1	26
279	Phosphonic acid anchored ruthenium complexes for ZnO-based dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 104, 24-33.	3.7	26
280	Multivalent grafting of hyperbranched oligo- and polyglycerols shielding rough membranes to mediate hemocompatibility. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3626-3635.	5.8	26
281	Detecting and Quantifying Biomolecular Interactions of a Dendritic Polyglycerol Sulfate Nanoparticle Using Fluorescence Lifetime Measurements. <i>Molecules</i> , 2016, 21, 22.	3.8	26
282	A Highly Photostable Hyperbranched Polyglycerol-Based NIR Fluorescence Nanoplatform for Mitochondria-Specific Cell Imaging. <i>Advanced Healthcare Materials</i> , 2016, 5, 2214-2226.	7.6	26
283	Mimicking of Chondrocyte Microenvironment Using In Situ Forming Dendritic Polyglycerol Sulfate-Based Synthetic Polyanionic Hydrogels. <i>Macromolecular Bioscience</i> , 2016, 16, 580-590.	4.1	26
284	Fabrication of nanostructures through self-assembly of non-ionic amphiphiles for biomedical applications. <i>RSC Advances</i> , 2017, 7, 22121-22132.	3.6	26
285	General method for the quantification of drug loading and release kinetics of nanocarriers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 131-137.	4.3	26
286	One-pot and gram-scale synthesis of biodegradable polyglycerols under ambient conditions: nanocarriers for intradermal drug delivery. <i>Polymer Chemistry</i> , 2017, 8, 7375-7383.	3.9	26
287	Stratum corneum targeting by dendritic core-multishell-nanocarriers in a mouse model of psoriasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 317-327.	3.3	26
288	Polystyrene-graft-Polyglycerol Resins: A New Type of High-Loading Hybrid Support for Organic Synthesis. <i>ACS Combinatorial Science</i> , 2006, 8, 350-354.	3.3	25

#	ARTICLE	IF	CITATIONS
289	Self-assembly, photoresponsive behavior and transport potential of azobenzene grafted dendronized polymeric amphiphiles. <i>RSC Advances</i> , 2015, 5, 48301-48310.	3.6	25
290	Controlled self-assembly of stomatosomes by use of single-component fluorinated dendritic amphiphiles. <i>Soft Matter</i> , 2018, 14, 5256-5269.	2.7	25
291	Dendritic Polyglycerolâ€Derived Nanoâ€Architectures as Delivery Platforms of Gemcitabine for Pancreatic Cancer. <i>Macromolecular Bioscience</i> , 2019, 19, e1900073.	4.1	25
292	Reductively cleavable polymer-drug conjugates based on dendritic polyglycerol sulfate and monomethyl auristatin E as anticancer drugs. <i>Journal of Controlled Release</i> , 2019, 300, 13-21.	9.9	25
293	Topologyâ€Matching Design of an Influenzaâ€Neutralizing Spiky Nanoparticleâ€Based Inhibitor with a Dual Mode of Action. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15532-15536.	13.8	25
294	Heteromultivalent topology-matched nanostructures as potent and broad-spectrum influenza A virus inhibitors. <i>Science Advances</i> , 2021, 7, .	10.3	25
295	Daratumumab Immunopolymersomeâ€Enabled Safe and CD38â€Targeted Chemotherapy and Depletion of Multiple Myeloma. <i>Advanced Materials</i> , 2021, 33, e2007787.	21.0	25
296	Faster, sharper, more precise: Automated Cluster-FLIM in preclinical testing directly identifies the intracellular fate of theranostics in live cells and tissue. <i>Theranostics</i> , 2020, 10, 6322-6336.	10.0	25
297	Iron oxide nanoparticles stabilized with dendritic polyglycerols as selective MRI contrast agents. <i>Nanoscale</i> , 2014, 6, 9646-9654.	5.6	24
298	Enhancement of fluorescent properties of near-infrared dyes using clickable oligoglycerol dendrons. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4727-4732.	2.8	24
299	Investigation of cutaneous penetration properties of stearic acid loaded to dendritic core-multi-shell (CMS) nanocarriers. <i>International Journal of Pharmaceutics</i> , 2016, 501, 271-277.	5.2	24
300	Hydrolytically degradable, dendritic polyglycerol sulfate based injectable hydrogels using strain promoted azideâ€alkyne cycloaddition reaction. <i>Polymer Chemistry</i> , 2016, 7, 375-383.	3.9	24
301	Active Antibacterial and Antifouling Surface Coating via a Facile One-Step Enzymatic Cross-Linking. <i>Biomacromolecules</i> , 2017, 18, 210-216.	5.4	24
302	Investigation of the cutaneous penetration behavior of dexamethasone loaded to nano-sized lipid particles by EPR spectroscopy, and confocal Raman and laser scanning microscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 102-110.	4.3	24
303	Dendritic polyglycerol nanoparticles show charge dependent bio-distribution in early human placental explants and reduce hCG secretion. <i>Nanotoxicology</i> , 2018, 12, 90-103.	3.0	24
304	Biodegradable Polyglycerol Sulfates Exhibit Promising Features for Anti-inflammatory Applications. <i>Biomacromolecules</i> , 2018, 19, 4524-4533.	5.4	24
305	Double trouble for viruses: a hydrogel nanocomposite catches the influenza virus while shrinking and changing color. <i>Chemical Communications</i> , 2020, 56, 3547-3550.	4.1	24
306	Inhibition of Herpes Simplex Virus Type 1 Attachment and Infection by Sulfated Polyglycerols with Different Architectures. <i>Biomacromolecules</i> , 2021, 22, 1545-1554.	5.4	24

#	ARTICLE	IF	CITATIONS
307	Non-ionic dendritic glycerol-based amphiphiles: Novel excipients for the solubilization of poorly water-soluble anticancer drug Sagopilone. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 40, 48-55.	4.0	23
308	Biocatalytic Approach for the Synthesis of Glycerol-Based Macroamphiphiles and their Self-Assembly to Micellar Nanotransporters. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 239-244.	2.2	23
309	Anionic Ring-Opening Polymerization Simulations for Hyperbranched Polyglycerols with Defined Molecular Weights. <i>Macromolecules</i> , 2013, 46, 8458-8466.	4.8	23
310	Influence of dendritic polyglycerol sulfates on knee osteoarthritis: an experimental study in the rat osteoarthritis model. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 387.	1.9	23
311	Compartmentalized Aqueous-Organic Emulsion for Efficient Biocatalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 10966-10970.	3.3	23
312	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. <i>Viruses</i> , 2021, 13, 2030.	3.3	23
313	Dendritic polyglycerol as a high-loading support for parallel multistep synthesis of GABA lactam analogues. <i>Tetrahedron</i> , 2004, 60, 8711-8720.	1.9	22
314	Polymers in Biomedicine and Electronics. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1487-1491.	3.9	22
315	Glycerol based polyether-nanogels with tunable properties via acid-catalyzed epoxide-opening in miniemulsion. <i>Reactive and Functional Polymers</i> , 2011, 71, 356-361.	4.1	22
316	Chemoselective Staudinger-phosphite reaction of symmetrical glycosyl-phosphites with azido-peptides and polyglycerols. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6211.	2.8	22
317	Nonsteroidal Bivalent Estrogen Ligands: An Application of the Bivalent Concept to the Estrogen Receptor. <i>ACS Chemical Biology</i> , 2013, 8, 707-715.	3.4	22
318	Localization of dexamethasone within dendritic core-multishell (CMS) nanoparticles and skin penetration properties studied by multi-frequency electron paramagnetic resonance (EPR) spectroscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 94-101.	4.3	22
319	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie</i> , 2018, 130, 11368-11372.	2.0	22
320	Synthesis of Linear Polyamines with Different Amine Spacings and their Ability to Form dsDNA/siRNA Complexes Suitable for Transfection. <i>Macromolecular Bioscience</i> , 2010, 10, 1073-1083.	4.1	21
321	Selectivity in Bone Targeting with Multivalent Dendritic Polyanion Dye Conjugates. <i>Advanced Healthcare Materials</i> , 2014, 3, 375-385.	7.6	21
322	Dendritic amphiphiles as additives for honeycomb-like patterned surfaces by breath figures: Role of the molecular characteristics on the pore morphology. <i>Journal of Colloid and Interface Science</i> , 2015, 440, 263-271.	9.4	21
323	Controlled Covalent Functionalization of Thermally Reduced Graphene Oxide To Generate Defined Bifunctional 2D Nanomaterials. <i>Angewandte Chemie</i> , 2017, 129, 2719-2723.	2.0	21
324	Drug distribution in nanostructured lipid particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 110, 19-23.	4.3	21

#	ARTICLE	IF	CITATIONS
325	Interaction of Human Mesenchymal Stem Cells with Soft Nanocomposite Hydrogels Based on Polyethylene Glycol and Dendritic Polyglycerol. <i>Advanced Functional Materials</i> , 2020, 30, 1905200.	14.9	21
326	A new azobenzene-based design strategy for detergents in membrane protein research. <i>Chemical Science</i> , 2020, 11, 3538-3546.	7.4	21
327	Metal-Assisted and Solvent-Mediated Synthesis of Two-Dimensional Triazine Structures on Gram Scale. <i>Journal of the American Chemical Society</i> , 2020, 142, 12976-12986.	13.7	21
328	Molecular Insights into Site-Specific Interferon- $\beta$ 2a Bioconjugates Originated from PEG, LPG, and PEOx. <i>Biomacromolecules</i> , 2021, 22, 4521-4534.	5.4	21
329	Multivalency as a chemical organization and action principle. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 848-849.	2.2	20
330	Dendritic Core-Multishell Nanocarriers in Murine Models of Healthy and Atopic Skin. <i>Nanoscale Research Letters</i> , 2017, 12, 64.	5.7	20
331	Surface charge and particle size determine the metabolic fate of dendritic polyglycerols. <i>Nanoscale</i> , 2017, 9, 8723-8739.	5.6	20
332	Highly sensitive detection of antibodies in a soft bioactive three-dimensional bioorthogonal hydrogel. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3220-3231.	5.8	20
333	One-Pot Synthesis of Poly(glycerol-co-succinic acid) Nanogels for Dermal Delivery. <i>Biomacromolecules</i> , 2019, 20, 1867-1875.	5.4	20
334	Strong Inhibition of Cholera Toxin B Subunit by Affordable, Polymer-Based Multivalent Inhibitors. <i>Bioconjugate Chemistry</i> , 2019, 30, 785-792.	3.6	20
335	Development of enzymatically cleavable doxorubicin conjugates with polyglycerol. <i>Journal of Controlled Release</i> , 2008, 132, e54-e55.	9.9	19
336	Synthesis and transport properties of new dendritic core-shell architectures based on hyperbranched polyglycerol with biphenyl-PEG shells. <i>New Journal of Chemistry</i> , 2012, 36, 371-379.	2.8	19
337	Investigations of Host-Guest Interactions with Shape-Persistent Nonionic Dendritic Micelles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12307-12317.	3.1	19
338	Synthesis of amphiphilic dendronized polymers to study their self-assembly and transport behavior. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1208-1215.	3.2	19
339	Dendronized Cryptophanes as Water-Soluble Xenon Hosts for $^{129}\text{Xe}$ Magnetic Resonance Imaging. <i>Organic Letters</i> , 2014, 16, 4436-4439.	4.6	19
340	Structure related transport properties and cellular uptake of hyperbranched polyglycerol sulfates with hydrophobic cores. <i>Polymer Chemistry</i> , 2014, 5, 5020-5028.	3.9	19
341	Amino Acid-Functionalized Dendritic Polyglycerol for Safe and Effective siRNA Delivery. <i>Biomacromolecules</i> , 2015, 16, 3869-3877.	5.4	19
342	Bioorthogonal in Situ Hydrogels Based on Polyether Polyols for New Biosensor Materials with High Sensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11382-11390.	8.0	19

#	ARTICLE	IF	CITATIONS
343	Development of Antifouling and Bactericidal Coatings for Platelet Storage Bags Using Dopamine Chemistry. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700839.	7.6	19
344	Dendritic Polyglycerol Sulfate for Therapy and Diagnostics. <i>Polymers</i> , 2018, 10, 595.	4.5	19
345	Thermodynamics of the Binding of Lysozyme to a Dendritic Polyelectrolyte: Electrostatics Versus Hydration. <i>ACS Omega</i> , 2018, 3, 9086-9095.	3.5	19
346	Core-multishell nanocarriers enhance drug penetration and reach keratinocytes and antigen-presenting cells in intact human skin. <i>Journal of Controlled Release</i> , 2019, 299, 138-148.	9.9	19
347	Scalable Production of Nanographene and Doping via Nondestructive Covalent Functionalization. <i>Small</i> , 2019, 15, e1805430.	10.0	19
348	Living whole-cell catalysis in compartmentalized emulsion. <i>Bioresource Technology</i> , 2020, 295, 122221.	9.6	19
349	Active Targeting of Dendritic Polyglycerols for Diagnostic Cancer Imaging. <i>Small</i> , 2020, 16, e1905013.	10.0	19
350	An intelligent cell-selective polymersome-DM1 nanotoxin toward triple negative breast cancer. <i>Journal of Controlled Release</i> , 2021, 340, 331-341.	9.9	19
351	Effect of the shell on the transport properties of poly(glycerol) and Poly(ethylene imine) nanoparticles. <i>Journal of Nanoparticle Research</i> , 2007, 9, 1057-1065.	1.9	18
352	Triglycerol-based hyperbranched polyesters with an amphiphilic branched shell as novel biodegradable drug delivery systems. <i>Polymer Chemistry</i> , 2016, 7, 887-898.	3.9	18
353	A Simple and Efficient Process for Large Scale Glycerol Oligomerization by Microwave Irradiation. <i>Catalysts</i> , 2017, 7, 123.	3.5	18
354	Functional Surfactants for Molecular Fishing, Capsule Creation, and Single-Cell Gene Expression. <i>Nano-Micro Letters</i> , 2021, 13, 147.	27.0	18
355	In vivo tumor imaging using a novel RNAi-based detection mechanism. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 393-398.	3.3	17
356	Dendritic polyglycerol cyclodextrin amphiphiles and their self-assembled architectures to transport hydrophobic guest molecules. <i>RSC Advances</i> , 2014, 4, 61656-61659.	3.6	17
357	Biocompatible, hyperbranched nanocarriers for the transport and release of copper ions. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3915-3918.	5.8	17
358	Dendritic Polyglycerol-“Poly(ethylene glycol)-Based Polymer Networks for Biosensing Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8937-8941.	8.0	17
359	Effects of dendritic polyglycerol sulfate on articular chondrocytes. <i>Inflammation Research</i> , 2015, 64, 917-928.	4.0	17
360	Mussel-Inspired Multivalent Linear Polyglycerol Coatings Outperform Monovalent Polyethylene Glycol Coatings in Antifouling Surface Properties. <i>ACS Applied Bio Materials</i> , 2019, 2, 5749-5759.	4.6	17

#	ARTICLE	IF	CITATIONS
361	Nanocrystals for Improved Drug Delivery of Dexamethasone in Skin Investigated by EPR Spectroscopy. <i>Pharmaceutics</i> , 2020, 12, 400.	4.5	17
362	Self-degrading graphene sheets for tumor therapy. <i>Nanoscale</i> , 2020, 12, 14222-14229.	5.6	17
363	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatfoms. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100285.	3.7	17
364	Toolbox of Biodegradable Dendritic (Poly glycerol sulfate)â€“SS-poly(ester) Micelles for Cancer Treatment: Stability, Drug Release, and Tumor Targeting. <i>Biomacromolecules</i> , 2021, 22, 2625-2640.	5.4	17
365	Dendritic Polyglycerolâ€“Conjugated Gold Nanostars for Metabolism Inhibition and Targeted Photothermal Therapy in Breast Cancer Stem Cells. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102272.	7.6	17
366	Polyglycerols as Multi-Functional Platforms: Synthesis and Biomedical Applications. <i>Polymers</i> , 2022, 14, 2684.	4.5	17
367	NEW POLYETHYLENE GLYCOL POLYMERS AS KETAL PROTECTING GROUPS â€“ A POLYMER SUPPORTED APPROACH TO SYMMETRICALLY SUBSTITUTED SPIROKETALS. <i>Synthetic Communications</i> , 2001, 31, 2965-2977.	2.1	16
368	Novel chemoenzymatic methodology for the regioselective glycine loading on polyhydroxy compounds. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2228.	2.8	16
369	A Crucial Role of Lâ€“Selectin in C Proteinâ€“Induced Experimental Polymyositis in Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 1864-1871.	5.6	16
370	Tolerogenic Modulation of the Immune Response by Oligoglycerolâ€“ and Polyglycerolâ€“Peptide Conjugates. <i>Bioconjugate Chemistry</i> , 2015, 26, 669-679.	3.6	16
371	Aggregation Behavior of Nonâ€“ionic Twinned Amphiphiles and Their Application as Biomedical Nanocarriers. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1796-1806.	3.3	16
372	Titanium coating with mussel inspired polymer and bio-orthogonal chemistry enhances antimicrobial activity against <i>Staphylococcus aureus</i> . <i>Materials Science and Engineering C</i> , 2020, 116, 111109.	7.3	16
373	Dendritic Coreâ€“Multishell Polymer Templates for the Synthesis of Pt Nanoparticleâ€“Loaded Porous Silica and their Application as Catalysts for the Enantioselective Hydrogenation of Ethyl Pyruvate. <i>ChemCatChem</i> , 2010, 2, 807-811.	3.7	15
374	Quasi-Homogeneous Hydrogenation with Platinum and Palladium Nanoparticles Stabilized by Dendritic Coreâ€“Multishell Architectures. <i>Langmuir</i> , 2011, 27, 6511-6518.	3.5	15
375	Supramolecular behavior of fluorous polyglycerol dendrons and polyglycerol dendrimers with perfluorinated shells in water. <i>New Journal of Chemistry</i> , 2012, 36, 402-406.	2.8	15
376	In Situ Hydrolysis of Imine Derivatives on Au(111) for the Formation of Aromatic Mixed Self-Assembled Monolayers: Multitechnique Analysis of This Tunable Surface Modification. <i>Langmuir</i> , 2012, 28, 358-366.	3.5	15
377	Multivalent polyglycerol supported imidazolidin-4-one organocatalysts for enantioselective Friedelâ€“Crafts alkylations. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 730-738.	2.2	15
378	Carbon-based cores with polyglycerol shells â€“ the importance of core flexibility for encapsulation of hydrophobic guests. <i>Journal of Materials Chemistry B</i> , 2015, 3, 719-722.	5.8	15

#	ARTICLE	IF	CITATIONS
379	Introducing Chirality into Nonionic Dendritic Amphiphiles and Studying Their Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2016, 22, 5629-5636.	3.3	15
380	Crosslinked Redox-Responsive Micelles Based on Lipoic Acid-Derived Amphiphiles for Enhanced siRNA Delivery. <i>Macromolecular Bioscience</i> , 2016, 16, 811-823.	4.1	15
381	Exploring the Potential of Dendritic Oligoglycerol Detergents for Protein Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 174-180.	2.8	15
382	Mucin-Inspired, High Molecular Weight Virus Binding Inhibitors Show Biphasic Binding Behavior to Influenza A Viruses. <i>Small</i> , 2020, 16, e2004635.	10.0	15
383	Well-Defined Nanostructured Biointerfaces: Strengthened Cellular Interaction for Circulating Tumor Cells Isolation. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002202.	7.6	15
384	Thermochemical and X-ray Crystallographic Investigations of Some (CH) <sub>10</sub> Hydrocarbons: Basketene, Nenitzescu's Hydrocarbon, and Snoutene. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2280.	2.4	14
385	Broadband Dielectric Spectroscopy Studies of Hyperbranched Polyglycerols. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 970-977.	2.2	14
386	Homogeneous Stabilization of Pt Nanoparticles in Dendritic Core-Multishell Architectures: Application in Catalytic Hydrogenation Reactions and Recycling. <i>ChemCatChem</i> , 2010, 2, 863-870.	3.7	14
387	pH-Triggered Self-Assembly of Zwitterionic Polyglycerol Dendrons into Discrete and Highly Stable Supramolecular Dendrimers in Water. <i>Chemistry - A European Journal</i> , 2010, 16, 14242-14246.	3.3	14
388	Synthesis and Evaluation of Nonsulfated and Sulfated Glycopolymers as L- and P-selectin Inhibitors. <i>Journal of Carbohydrate Chemistry</i> , 2011, 30, 347-360.	1.1	14
389	Increased cutaneous absorption reflects impaired barrier function of reconstructed skin models mimicking keratinisation disorders. <i>Experimental Dermatology</i> , 2014, 23, 286-288.	2.9	14
390	Progress in the direct structural characterization of fibrous amphiphilic supramolecular assemblies in solution by transmission electron microscopic techniques. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 279-292.	14.7	14
391	Functionalized Polyglycerol Amine Nanogels as Nanocarriers for DNA. <i>Macromolecular Bioscience</i> , 2014, 14, 1215-1221.	4.1	14
392	Polyglycerol based coatings to reduce non-specific protein adsorption in sample vials and on SPR sensors. <i>Analytica Chimica Acta</i> , 2015, 867, 47-55.	5.4	14
393	Structure-activity relationship study of dendritic polyglycerolamines for efficient siRNA transfection. <i>RSC Advances</i> , 2015, 5, 78760-78770.	3.6	14
394	Synthesis, Photophysical, and Biological Evaluation of Sulfated Polyglycerol Dendronized Perylenebisimides (PBIs)-A Promising Platform for Anti-Inflammatory Theranostic Agents?. <i>Bioconjugate Chemistry</i> , 2016, 27, 727-736.	3.6	14
395	Noncharged and Charged Monodendronised Perylene Bisimides as Highly Fluorescent Labels and their Bioconjugates. <i>Chemistry - A European Journal</i> , 2017, 23, 4849-4862.	3.3	14
396	Photoregulating Antifouling and Bioadhesion Functional Coating Surface Based on Spiropyran. <i>Chemistry - A European Journal</i> , 2018, 24, 7742-7748.	3.3	14

#	ARTICLE	IF	CITATIONS
397	Exploring Rigid and Flexible Core Trivalent Sialosides for Influenza Virus Inhibition. <i>Chemistry - A European Journal</i> , 2018, 24, 19373-19385.	3.3	14
398	Dynamic Protein Adsorption onto Dendritic Polyglycerol Sulfate Self-Assembled Monolayers. <i>Langmuir</i> , 2018, 34, 10302-10308.	3.5	14
399	Dendrimer-based micelles as cyto-compatible nanocarriers. <i>New Journal of Chemistry</i> , 2019, 43, 11984-11993.	2.8	14
400	Facile Formation of Dihydroacepentalenediide from centro-Substituted Tribenzotriquinacenes with C-C Bond Cleavage. <i>Synlett</i> , 1994, 1994, 340-342.	1.8	13
401	Syntheses, Structures, and Reactions of Highly Strained Dihydro- and Tetrahydroacepentalene Derivatives. <i>Chemistry - A European Journal</i> , 1998, 4, 1192-1200.	3.3	13
402	A Novel Green Template for the Synthesis of Mesoporous Silica. <i>Chemistry - A European Journal</i> , 2008, 14, 3311-3315.	3.3	13
403	Estimating Kinetic Parameters for the Spontaneous Polymerization of Glycidol at Elevated Temperatures. <i>Macromolecular Theory and Simulations</i> , 2012, 21, 470-481.	1.4	13
404	Tissue and cellular localization of nanoparticles using <sup>35</sup> S labeling and light microscopic autoradiography. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 465-468.	3.3	13
405	Synthesis and Application of N-Heterocyclic Carbene-Palladium Ligands with Glycerol Dendrons for the Suzuki-Miyaura Cross-Coupling in Water. <i>Synlett</i> , 2014, 25, 2161-2165.	1.8	13
406	Copper Transport Mediated by Nanocarrier Systems in a Blood-Brain Barrier In Vitro Model. <i>Biomacromolecules</i> , 2014, 15, 1910-1919.	5.4	13
407	Glycerol-Based Contrast Agents: A Novel Series of Dendronized Pentamethine Dyes. <i>Bioconjugate Chemistry</i> , 2015, 26, 773-781.	3.6	13
408	Polyglycerol-Based Copper Chelators for the Transport and Release of Copper Ions in Biological Environments. <i>Macromolecular Bioscience</i> , 2016, 16, 412-419.	4.1	13
409	A toolbox approach for multivalent presentation of ligand-receptor recognition on a supramolecular scaffold. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4216-4222.	5.8	13
410	Photocatalytic Quantum Dot-Armed Bacteriophage for Combating Drug-Resistant Bacterial Infection. <i>Advanced Science</i> , 2022, 9, e2105668.	11.2	13
411	Effects of a PEG additive on the biomolecular interactions of self-assembled dendron nanostructures. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8403.	2.8	12
412	Receptor Mediated Cellular Uptake of Low Molecular Weight Dendritic Polyglycerols. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 92-99.	1.1	12
413	Adsorption mechanism and valency of catechol-functionalized hyperbranched polyglycerols. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 828-836.	2.2	12
414	Exploring monovalent and multivalent peptides for the inhibition of FBP21-tWW. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 701-706.	2.2	12



#	ARTICLE	IF	CITATIONS
415	Responsive Contrast Agents: Synthesis and Characterization of a Tunable Series of pH-Sensitive Near-Infrared Pentamethines. <i>ACS Omega</i> , 2016, 1, 808-817.	3.5	12
416	Perfluoroalkylated linear polyglycerols and their supramolecular assemblies in aqueous solution. <i>Polymer Chemistry</i> , 2016, 7, 2222-2229.	3.9	12
417	Noncovalent Stable Functionalization Makes Carbon Nanotubes Hydrophilic and Biocompatible. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18887-18891.	3.1	12
418	Synthesis of pH-Cleavable dPG-Amines for Gene Delivery Application. <i>Macromolecular Bioscience</i> , 2017, 17, 1600190.	4.1	12
419	Universal, Surfactant-Free Preparation of Hydrogel Beads on Superamphiphobic and Slippery Surfaces. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701536.	3.7	12
420	Supramolecular Copolymerization as a Strategy to Control the Stability of Self-Assembled Nanofibers. <i>Angewandte Chemie</i> , 2018, 130, 6959-6963.	2.0	12
421	Sulfated Dendritic Polyglycerol Is a Potent Complement Inhibitor. <i>Biomacromolecules</i> , 2019, 20, 3809-3818.	5.4	12
422	Stimuli-responsive non-ionic Gemini amphiphiles for drug delivery applications. <i>Polymer Chemistry</i> , 2020, 11, 6772-6782.	3.9	12
423	Fabrication of oligo-glycerol based hydrolase responsive amphiphilic nanocarriers. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1208-1217.	3.2	12
424	Dendritic Oligoglycerol Regioisomer Mixtures and Their Utility for Membrane Protein Research. <i>Chemistry - A European Journal</i> , 2021, 27, 2537-2542.	3.3	12
425	Particle Diffusivity and Free-Energy Profiles in Hydrogels from Time-Resolved Penetration Data. <i>Biophysical Journal</i> , 2021, 120, 463-475.	0.5	12
426	Oxidation-Sensitive Core-Multishell Nanocarriers for the Controlled Delivery of Hydrophobic Drugs. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2485-2495.	5.2	12
427	One-pot gram-scale synthesis of virucidal heparin-mimicking polymers as HSV-1 inhibitors. <i>Chemical Communications</i> , 2021, 57, 11948-11951.	4.1	12
428	Multivalent non-covalent interactions lead to strongest polymer adhesion. <i>Nanoscale</i> , 2022, 14, 3768-3776.	5.6	12
429	Cetuximab-Polymersome-Mertansine Nanodrug for Potent and Targeted Therapy of EGFR-Positive Cancers. <i>Biomacromolecules</i> , 2022, 23, 100-111.	5.4	12
430	News about acepentalene, cyclopentadienyl cations and other elusive aromatic and antiaromatic compounds. <i>Pure and Applied Chemistry</i> , 1999, 71, 253-264.	1.9	11
431	PMMA Gradient Materials and in situ Nanocoating via Self-Assembly of Semifluorinated Hyperbranched Amphiphiles. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 135-141.	2.2	11
432	Colloidal Structure and Stability of DNA/Polycations Polyplexes Investigated by Small Angle Scattering. <i>Biomacromolecules</i> , 2011, 12, 4272-4282.	5.4	11

#	ARTICLE	IF	CITATIONS
433	The multi-domain nanoparticle structure of a universal core-multi-shell nanocarrier. <i>Polymer</i> , 2014, 55, 6735-6742.	3.8	11
434	Temperature and environment dependent dynamic properties of a dendritic polyglycerol sulfate. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1329-1336.	3.2	11
435	Versatile control over size and spacing of small mesopores in metal oxide films and catalytic coatings via templating with hyperbranched core-multishell polymers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13075-13082.	10.3	11
436	Peptide-polymer ligands for a tandem WW-domain, an adaptive multivalent protein-protein interaction: lessons on the thermodynamic fitness of flexible ligands. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 837-847.	2.2	11
437	Encapsulation and cellular internalization of cyanine dye using amphiphilic dendronized polymers. <i>European Polymer Journal</i> , 2015, 69, 416-428.	5.4	11
438	Fast and easily applicable glycerol-based spray coating. <i>Progress in Organic Coatings</i> , 2015, 87, 146-154.	3.9	11
439	Functionalization of fullerene at room temperature: toward new carbon vectors with improved physicochemical properties. <i>RSC Advances</i> , 2016, 6, 112771-112775.	3.6	11
440	A toolset of functionalized porphyrins with different linker strategies for application in bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9114-9132.	2.8	11
441	Dendritic polyglycerol anions for the selective targeting of native and inflamed articular cartilage. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4754-4767.	5.8	11
442	Biodegradable Core-Multishell Nanocarriers: Influence of Inner Shell Structure on the Encapsulation Behavior of Dexamethasone and Tacrolimus. <i>Polymers</i> , 2017, 9, 316.	4.5	11
443	Characterization of hyperbranched core-multishell nanocarriers as an innovative drug delivery system for the application at the oral mucosa. <i>Journal of Periodontal Research</i> , 2018, 53, 57-65.	2.7	11
444	Synthesis of non-ionic bolaamphiphiles and study of their self-assembly and transport behaviour for drug delivery applications. <i>RSC Advances</i> , 2018, 8, 31777-31782.	3.6	11
445	Ultrastructural and Molecular Analysis of Ribose-Induced Glycated Reconstructed Human Skin. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3521.	4.1	11
446	Dendritic polyglycerols are modulators of microglia-astrocyte crosstalk. <i>Future Neurology</i> , 2019, 14, FNL31.	0.5	11
447	Systematic Screening of Different Polyglycerol-Based Dienophile Macromonomers for Efficient Nanogel Formation through IEDDA Inverse Nanoprecipitation. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900510.	3.9	11
448	Topology-Matching Design of an Influenza-Neutralizing Spiky Nanoparticle-Based Inhibitor with a Dual Mode of Action. <i>Angewandte Chemie</i> , 2020, 132, 15662-15666.	2.0	11
449	Multivalent Polyanionic 2D Nanosheets Functionalized Nanofibrous Stem Cell-based Neural Scaffolds. <i>Advanced Functional Materials</i> , 2021, 31, 2010145.	14.9	11
450	Automated Solvent-Free Polymerization of Hyperbranched Polyglycerol with Tailored Molecular Weight by Online Torque Detection. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000688.	3.6	11

#	ARTICLE	IF	CITATIONS
451	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12774-12789.	6.4	11
452	Anionic Dendritic Polyglycerol for Protein Purification and Delipidation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5903-5911.	4.4	11
453	MIF does only marginally enhance the pro-regenerative capacities of DFO in a mouse-osteotomy-model of compromised bone healing conditions. <i>Bone</i> , 2022, 154, 116247.	2.9	11
454	Unexpected Pd-Catalysed Substitution on the Triquinanedione System - An Approach to centro-Substituted Triquinanes. <i>Synlett</i> , 1996, 1996, 542-544.	1.8	10
455	HighlyExo-Selective Epoxidation and Hydroxylation of Triquinacene and Its Derivatives: All-exo-Hexahydroxytriquinane. <i>Journal of Organic Chemistry</i> , 1998, 63, 2544-2547.	3.2	10
456	Synthesis of Biodegradable Amphiphilic Nanocarriers by Chemo-Enzymatic Transformations for the Solubilization of Hydrophobic Compounds. <i>International Journal of Artificial Organs</i> , 2011, 34, 84-92.	1.4	10
457	Hyperbranched polyglycerol supported ruthenium catalysts for ring-closing metathesis. <i>Inorganica Chimica Acta</i> , 2014, 409, 179-184.	2.4	10
458	Simple NIR complexes and their applicability in dye-sensitized solar cells. <i>Polyhedron</i> , 2014, 81, 583-587.	2.2	10
459	Hyperbranched glycerol-based core-amphiphilic branched shell nanotransporters for dermal drug delivery. <i>Polymer</i> , 2016, 96, 156-166.	3.8	10
460	Fullerene Polyglycerol Amphiphiles as Unimolecular Transporters. <i>Langmuir</i> , 2017, 33, 6595-6600.	3.5	10
461	Hyperbranched Polyglycerol-Induced Porous Silica Nanoparticles as Drug Carriers for Cancer Therapy In vitro and In vivo. <i>ChemistryOpen</i> , 2017, 6, 158-164.	1.9	10
462	Crosstalk between core-multishell nanocarriers for cutaneous drug delivery and antigen-presenting cells of the skin. <i>Biomaterials</i> , 2018, 162, 60-70.	11.4	10
463	Linear dendronized polyols as a multifunctional platform for a versatile and efficient fluorophore design. <i>Polymer Chemistry</i> , 2018, 9, 2040-2047.	3.9	10
464	Nanotherapeutic Modulation of Human Neural Cells and Glioblastoma in Organoids and Monocultures. <i>Cells</i> , 2020, 9, 2434.	4.1	10
465	Multivalent Bacteria Binding by Flexible Polycationic Microsheets Matching Their Surface Charge Density. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902066.	3.7	10
466	Hydrophobicity of Self-Assembled Monolayers of Alkanes: Fluorination, Density, Roughness, and Lennard-Jones Cutoffs. <i>Langmuir</i> , 2021, 37, 13846-13858.	3.5	10
467	Structure and Dynamics of Supramolecular Polymers: Wait and See. <i>ACS Macro Letters</i> , 2022, 11, 711-715.	4.8	10
468	Multivalent, Biodegradable Polyglycerol Hydrogels. <i>International Journal of Artificial Organs</i> , 2011, 34, 118-122.	1.4	9

#	ARTICLE	IF	CITATIONS
469	Amphiphile replacement on carbon nanotube surfaces: Effect of aromatic groups on the interaction strength. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2532-2535.	1.5	9
470	Effective Reversible Photoinduced Switching of Self-Assembled Monolayers of Functional Imines on Gold Nanoparticles. <i>ChemPhysChem</i> , 2011, 12, 132-135.	2.1	9
471	Excitation characteristics of different energy transfer in nanotube-perylene complexes. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	9
472	Visualization of Real-Time Degradation of pH-Responsive Polyglycerol Nanogels via Atomic Force Microscopy. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2018-2022.	3.9	9
473	Multivalent dendritic polyglycerolamine with arginine and histidine end groups for efficient siRNA transfection. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 763-772.	2.2	9
474	Optimized effective charge density and size of polyglycerol amines leads to strong knockdown efficacy in vivo. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8993-9000.	5.8	9
475	Stimuli-Responsive Core Multishell Dendritic Nanocarriers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600525.	2.2	9
476	Synthesis of a Cylindrical Micelle from Hydrophilic Polymers Connected with a Single Supramolecular Structure-Directing Unit. <i>Macromolecules</i> , 2020, 53, 7044-7052.	4.8	9
477	Protein aggregation nucleated by functionalized dendritic polyglycerols. <i>Polymer Chemistry</i> , 2020, 11, 3849-3862.	3.9	9
478	Graphene-Assisted Synthesis of 2D Polyglycerols as Innovative Platforms for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2021, 31, 2009003.	14.9	9
479	Biodegradable Dendritic Polyglycerol Sulfate for the Delivery and Tumor Accumulation of Cytostatic Anticancer Drugs. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2569-2579.	5.2	9
480	Oligo-glycerol based non-ionic amphiphilic nanocarriers for lipase mediated controlled drug release. <i>RSC Advances</i> , 2020, 10, 37555-37563.	3.6	9
481	Bispecific Antibodies for Targeted Delivery of Dendritic Polyglycerol (dPG) Prodrug Conjugates. <i>Current Cancer Drug Targets</i> , 2016, 16, 639-649.	1.6	9
482	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie</i> , 2022, 134, e202113833.	2.0	9
483	Non-ionic hybrid detergents for protein delipidation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183958.	2.6	9
484	In-situ formation and detailed analysis of imine bonds for the construction of conjugated aromatic monolayers on Au(111). <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 293-301.	2.3	8
485	Size-Tunable Micron-Bubbles Based on Fluorous-Fluorous Interactions of Perfluorinated Dendritic Polyglycerols. <i>ChemPhysChem</i> , 2010, 11, 2617-2622.	2.1	8
486	Chirally enhanced solubilization through perylene-based surfactant. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2465-2468.	1.5	8

#	ARTICLE	IF	CITATIONS
487	Core-shell nanocarriers based on PEGylated hydrophobic hyperbranched polyesters. <i>European Polymer Journal</i> , 2016, 80, 158-168.	5.4	8
488	Antifouling coatings on SOI microring resonators for bio sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 400-405.	7.8	8
489	Multivalente Peptid-Nanopartikel-Konjugate zur Hemmung des Influenzavirus. <i>Angewandte Chemie</i> , 2017, 129, 6025-6030.	2.0	8
490	Influence of Organic Ligands on the Surface Oxidation State and Magnetic Properties of Iron Oxide Particles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 819-844.	2.8	8
491	Protease-mediated Inflammation: An <i>In Vitro</i> Human Keratinocyte-based Screening Tool for Anti-inflammatory Drug Nanocarrier Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 919-933.	2.8	8
492	Hyperbranched Polyglycerol Derivatives as Prospective Copper Nanotransporter Candidates. <i>Molecules</i> , 2018, 23, 1281.	3.8	8
493	Expanding the Scope of Reporting Nanoparticles: Sensing of Lipid Phase Transitions and Nanoviscosities in Lipid Membranes. <i>Langmuir</i> , 2019, 35, 11422-11434.	3.5	8
494	Design and Synthesis of PEG-Oligoglycerol Sulfates as Multivalent Inhibitors for the Scavenger Receptor LOX-1. <i>Biomacromolecules</i> , 2019, 20, 1157-1166.	5.4	8
495	The Application of Dual-Layer, Mussel-Inspired, Antifouling Polyglycerol-Based Coatings in Ventricular Assist Devices. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000272.	3.7	8
496	Dendritic polyglycerol-conjugated gold nanostars with different densities of functional groups to regulate osteogenesis in human mesenchymal stem cells. <i>Nanoscale</i> , 2020, 12, 24006-24019.	5.6	8
497	Non-ionic PEG-oligoglycerol dendron conjugated nano-carriers for dermal drug delivery. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119212.	5.2	8
498	Wechselwirkung von Polyelektrolyt-Architekturen mit Proteinen und Biosystemen. <i>Angewandte Chemie</i> , 2021, 133, 3926-3950.	2.0	8
499	Transcriptomic analysis of stress response to novel antimicrobial coatings in a clinical MRSA strain. <i>Materials Science and Engineering C</i> , 2021, 119, 111578.	7.3	8
500	Linear triglycerol-based fluorosurfactants show high potential for droplet-microfluidics-based biochemical assays. <i>Soft Matter</i> , 2021, 17, 7260-7267.	2.7	8
501	Amphiphilic Co-polypeptides Self-Assembled into Spherical Nanoparticles for Dermal Drug Delivery. <i>ACS Applied Nano Materials</i> , 2021, 4, 6709-6721.	5.0	8
502	Polyglycerol-Based Mucus-Inspired Hydrogels. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100303.	3.9	8
503	Redox-Responsive Nanocarrier for Controlled Release of Drugs in Inflammatory Skin Diseases. <i>Pharmaceutics</i> , 2021, 13, 37.	4.5	8
504	Synthesis and functionalization of dendritic polyglycerol-based nanogels: application in T cell activation. <i>Journal of Materials Chemistry B</i> , 2021, 10, 96-106.	5.8	8

#	ARTICLE	IF	CITATIONS
505	Optimization of Long-Term Human iPSC-Derived Spinal Motor Neuron Culture Using a Dendritic Polyglycerol Amine-Based Substrate. <i>ASN Neuro</i> , 2022, 14, 175909142110733.	2.7	8
506	Imidazole and Dimethyl Aminopropyl-Functionalized Hyperbranched Polymers for Nucleic Acid Transfection. <i>Macromolecular Bioscience</i> , 2010, 10, 1055-1062.	4.1	7
507	Selective Endothelial Cell Adhesion via Mussel-Inspired Hybrid Microfibrous Scaffold. <i>ACS Applied Nano Materials</i> , 2018, 1, 1513-1521.	5.0	7
508	Synthesis of non-ionic and enzyme-responsive bolaamphiphiles for drug delivery applications. <i>European Polymer Journal</i> , 2018, 109, 506-522.	5.4	7
509	Droplet-Based Microfluidic Templating of Polyglycerol-Based Microgels for the Encapsulation of Cells: A Comparative Study. <i>Macromolecular Bioscience</i> , 2018, 18, e1800116.	4.1	7
510	White-Light Supercontinuum Laser-Based Multiple Wavelength Excitation for TCSPC-FLIM of Cutaneous Nanocarrier Uptake. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 671-688.	2.8	7
511	Switchable Solubility of Azobenzene-Based Bolaamphiphiles. <i>ChemPhysChem</i> , 2019, 20, 1690-1697.	2.1	7
512	Serine Protease-Mediated Cutaneous Inflammation: Characterization of an Ex Vivo Skin Model for the Assessment of Dexamethasone-Loaded Core Multishell-Nanocarriers. <i>Pharmaceutics</i> , 2020, 12, 862.	4.5	7
513	Synthesis of pH-degradable polyglycerol-based nanogels by iEDDA-mediated crosslinking for encapsulation of asparaginase using inverse nanoprecipitation. <i>Colloid and Polymer Science</i> , 2020, 298, 719-733.	2.1	7
514	Prolonged activity of exenatide: Detailed comparison of Site-specific linear polyglycerol- and poly(ethylene glycol)-conjugates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 164, 105-113.	4.3	7
515	Tunable Polyglycerol-Based Redox-Responsive Nanogels for Efficient Cytochrome C Delivery. <i>Pharmaceutics</i> , 2021, 13, 1276.	4.5	7
516	Co-Delivery of Doxorubicin and Chloroquine by Polyglycerol Functionalized MoS <sub>2</sub> Nanosheets for Efficient Multidrug-Resistant Cancer Therapy. <i>Macromolecular Bioscience</i> , 2021, 21, e2100233.	4.1	7
517	Linear Polyglycerol for N-terminal-selective Modification of Interleukin-4. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 1642-1651.	3.3	7
518	A Metal-Ion-Incorporated Mussel-Inspired Poly(Vinyl Alcohol)-Based Polymer Coating Offers Improved Antibacterial Activity and Cellular Mechanoresponse Manipulation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
519	Supramolecular Engineering of Alkylated, Fluorinated, and Mixed Amphiphiles. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100914.	3.9	7
520	Polymer selection impacts the pharmaceutical profile of site-specifically conjugated Interferon- $\beta$ 2a. <i>Journal of Controlled Release</i> , 2022, 348, 881-892.	9.9	7
521	Secondary and primary relaxations in hyperbranched polyglycerol: A comparative study in the frequency and time domains. <i>Journal of Chemical Physics</i> , 2007, 127, 124904.	3.0	6
522	Polyglycerol-Tagged Molecular Clips as Receptors in Protic Solvents. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 362-367.	2.4	6

#	ARTICLE	IF	CITATIONS
523	Perfluoroalkyl-Functionalized Hyperbranched Polyglycerol as Pore Forming Agents and Supramolecular Hosts in Polymer Microspheres. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20183-20194.	4.1	6
524	Biodistribution, cellular localization, and in vivo tolerability of 35S-labeled antiinflammatory dendritic polyglycerol sulfate amine. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	6
525	Chiral selectivity of polyglycerol-based amphiphiles incorporating different aromatic cores. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2536-2540.	1.5	6
526	Polyester-Based, Biodegradable Core-Multishell Nanocarriers for the Transport of Hydrophobic Drugs. <i>Polymers</i> , 2016, 8, 192.	4.5	6
527	Heterobifunctional Dyes: Highly Fluorescent Linkers Based on Cyanine Dyes. <i>ChemistryOpen</i> , 2017, 6, 437-446.	1.9	6
528	Lipase-mediated synthesis of sugar-PEG-based amphiphiles for encapsulation and stabilization of indocyanine green. <i>RSC Advances</i> , 2017, 7, 37534-37541.	3.6	6
529	Positiv geladene Nanoaggregate auf Basis eines zwitterionischen Pillar[5]arens zur Bekämpfung von planktonischen Bakterien und zum Abbau von Biofilmen. <i>Angewandte Chemie</i> , 2019, 131, 3684-3688.	2.0	6
530	Bioinspired Confinement of Upconversion Nanoparticles for Improved Performance in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28623-28635.	3.1	6
531	Stereochemistry-Controlled Supramolecular Architectures of New Tetrahydroxy-Functionalised Amphiphilic Carbocyanine Dyes. <i>Chemistry - A European Journal</i> , 2020, 26, 6919-6934.	3.3	6
532	Mussel-inspired multifunctional coating for bacterial infection prevention and osteogenic induction. <i>Journal of Materials Science and Technology</i> , 2021, 68, 160-171.	10.7	6
533	Newer Non-ionic A <sub>2</sub> B <sub>2</sub> -Type Enzyme-Responsive Amphiphiles for Drug Delivery. <i>ChemMedChem</i> , 2021, 16, 1457-1466.	3.2	6
534	Responsive Emulsions for Sequential Multienzyme Cascades. <i>Angewandte Chemie</i> , 2021, 133, 8491-8495.	2.0	6
535	Characterization of an ester-based core-multishell (CMS) nanocarrier for the topical application at the oral mucosa. <i>Clinical Oral Investigations</i> , 2021, 25, 5795-5805.	3.0	6
536	Thermoresponsive Hydrogels as Microniches for Growth and Controlled Release of Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2010630.	14.9	6
537	Chemoenzymatic Cascades Enabled by Combining Catalytically Active Emulsions and Biocatalysts. <i>ChemCatChem</i> , 2022, 14, .	3.7	6
538	Polyanionic Amphiphilic Dendritic Polyglycerols as Broad-Spectrum Viral Inhibitors with a Virucidal Mechanism. <i>Biomacromolecules</i> , 2022, 23, 983-991.	5.4	6
539	Catalysts on Functionalized Polymer Chips (PC) as Recyclable Entities. <i>Synthesis</i> , 2005, 2005, 3362-3372.	2.3	5
540	Inhibition of influenza virus activity by newly designed multivalent glycoarchitectures. <i>Journal of Controlled Release</i> , 2010, 148, e114-e115.	9.9	5

#	ARTICLE	IF	CITATIONS
541	Computational entropy estimation of linear polyether-modified surfaces and correlation with protein resistant properties of such surfaces. <i>Molecular Simulation</i> , 2011, 37, 899-906.	2.0	5
542	Dendronylation: Residue-specific chemoselective attachment of oligoglycerol dendrimers on proteins with noncanonical amino acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5247-5249.	2.2	5
543	Chemoenzymatic synthesis of dendronized polymers for cyanine dye encapsulation. <i>Advances in Polymer Technology</i> , 2018, 37, 1797-1805.	1.7	5
544	Chemoenzymatic Synthesis of D-Glucitol-Based Non-Ionic Amphiphilic Architectures as Nanocarriers. <i>Polymers</i> , 2020, 12, 1421.	4.5	5
545	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie</i> , 2020, 132, 12517-12522.	2.0	5
546	Reusable biopolymer based heavy metal filter as plant protection for phytoremediation. <i>Environmental Technology and Innovation</i> , 2020, 19, 101005.	6.1	5
547	Reversible Photothermal Homogenization of Fluorous Biphasic Systems with Perfluoroalkylated Nanographene. <i>ACS Applied Nano Materials</i> , 2020, 3, 1139-1146.	5.0	5
548	A Cyanine-Bridged Somatostatin Hybrid Probe for Multimodal SSTR2 Imaging in Vitro and in Vivo: Synthesis and Evaluation. <i>ChemBioChem</i> , 2021, 22, 1307-1315.	2.6	5
549	Topical Delivery of Rapamycin by Means of Microenvironment-Sensitive Core-Multi-Shell Nanocarriers: Assessment of Anti-Inflammatory Activity in an ex vivo Skin/T Cell Co-Culture Model. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7137-7151.	6.7	5
550	“Raspberry” Hierarchical Topographic Features Regulate Human Mesenchymal Stem Cell Adhesion and Differentiation via Enhanced Mechanosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54840-54849.	8.0	5
551	Dendritic Polyglycerol Amine: An Enhanced Substrate to Support Long-Term Neural Cell Culture. <i>ASN Neuro</i> , 2022, 14, 175909142110732.	2.7	5
552	Synthesis and Linker-Controlled Self-Assembly of Dendritic Amphiphiles with Branched Fluorinated Tails. <i>Macromolecular Bioscience</i> , 2022, 22, .	4.1	5
553	Reversible electron-induced <i>cis</i> → <i>trans</i> isomerization mediated by intermolecular interactions. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 394016.	1.8	4
554	Preparation of graphene oxide by cyanuric chloride as an effective and non-corrosive oxidizing agent. <i>RSC Advances</i> , 2016, 6, 115055-115057.	3.6	4
555	A Simple and Robust Method to Prepare Polyelectrolyte Brushes on Polymer Surfaces. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4
556	Hydroquinone-functionalized cyanine dye as reduction-sensitive probe for imaging of biological reducing species. <i>Dyes and Pigments</i> , 2022, 201, 110198.	3.7	4
557	$\hat{1}\pm$ - and $\hat{1}^2$ -oxygenated aldehydes derived from Diels-Alder reactions as substrates for hydroxynitrile lyases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 61, 268-273.	1.8	3
558	Dendritic HMPA as a Promoter for the Mukaiyama Aldol and Allylation Reaction. <i>Synlett</i> , 2012, 23, 2672-2676.	1.8	3



#	ARTICLE	IF	CITATIONS
559	Core-multishell nanotransporters enhance skin penetration of the cell-penetrating peptide low molecular weight protamine. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1337-1341.	3.2	3
560	Synthesis and comparison of linear and hyperbranched multivalent glycosides for C-type lectin binding. <i>New Journal of Chemistry</i> , 2019, 43, 16012-16016.	2.8	3
561	Novel Antimicrobial Cellulose Fleece Inhibits Growth of Human-Derived Biofilm-Forming Staphylococci During the SIRIUS19 Simulated Space Mission. <i>Frontiers in Microbiology</i> , 2020, 11, 1626.	3.5	3
562	Surface-Initiated Grafting of Dendritic Polyglycerol from Mussel-Inspired Adhesion Layers for the Creation of Cell-Repelling Coatings. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000931.	3.7	3
563	Gram Scale Synthesis of Dual-Responsive Dendritic Polyglycerol Sulfate as Drug Delivery System. <i>Polymers</i> , 2021, 13, 982.	4.5	3
564	Graphene-Based Bacterial Filtration via Electrostatic Adsorption. <i>Advanced Materials Interfaces</i> , 0, , 2101917.	3.7	3
565	Preclinical Testing of Dendritic Core-Multishell Nanoparticles in Inflammatory Skin Equivalents. <i>Molecular Pharmaceutics</i> , 2022, 19, 1795-1802.	4.6	3
566	Synthesis of d-glucitol-based Gemini amphiphilic nanotransporters. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2601-2609.	3.2	3
567	Chemische Ansätze für synthetische Wirkstofftransportsysteme für systemische Anwendungen. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
568	Graphene Nanoinks: A Water-Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers ( <i>Adv. Mater.</i> 5/2018). <i>Advanced Materials</i> , 2018, 30, 1870030.	21.0	2
569	Mg-Air Batteries: Atomic Fe-Nx Coupled Open-Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mg-Air Batteries ( <i>Adv. Mater.</i> 40/2018). <i>Advanced Materials</i> , 2018, 30, 1870303.	21.0	2
570	Spin-labeling of Dexamethasone: Radical Stability vs. Temporal Resolution of EPR-Spectroscopy on Biological Samples. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 883-891.	2.8	2
571	Tailor-Made Core-Multishell Nanocarriers for the Delivery of Cationic Analgesics to Inflamed Tissue. <i>Advanced Therapeutics</i> , 2019, 2, 1900007.	3.2	2
572	Exploring hydrophobic diastereomeric 2,6-anhydro-glycoheptitols for their enzymatic polymerization with PEG: towards delivery applications. <i>New Journal of Chemistry</i> , 2020, 44, 15369-15375.	2.8	2
573	Chemically defined stem cell microniche engineering by microfluidics compatible with iPSCs™ growth in 3D culture. <i>Biomaterials</i> , 2021, 280, 121253.	11.4	2
574	Glycosylated MoS <sub>2</sub> Sheets for Capturing and Deactivating <i>E. coli</i> Bacteria: Combined Effects of Multivalent Binding and Sheet Size. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	2
575	supported by the Office of Naval Research, the Defense Advanced Research Project Agency, and the National Science Foundation ECS-97294053. R.E.H. thanks the National Institutes of Health for a postdoctoral fellowship, and R.H. thanks the Deutsche Forschungsgemeinschaft and the BASF fellowship program for financial support. We thank Andreas Terfort for the synthesis of aromatic thiols. <i>Collaboration between Caracas and Angewandte Chemie - International Edition</i> , 2001, 40,	13.8	2
576	Cover Picture: Supramolecular Aggregates of Dendritic Multishell Architectures as Universal Nanocarriers ( <i>Angew. Chem. Int. Ed.</i> 8/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1189-1189.	13.8	1

#	ARTICLE	IF	CITATIONS
577	Thiocyanate-Free versus Thiocyanate-Containing Dyes for TiO <sub>2</sub> -Based Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 1656-1661.	3.4	1
578	Aggregation of Amphiphilic Carbocyanines: Fluorination Favors Cylindrical Micelles over Bilayered Tubes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10538-10550.	2.6	1
579	Scaffold Flexibility Controls Binding of Herpes Simplex Virus Type 1 with Sulfated Dendritic Polyglycerol Hydrogels Fabricated by Thiol-Maleimide Click Reaction. <i>Macromolecular Bioscience</i> , 2022, 22, e2100507.	4.1	1
580	Novel Adhesive Nanocarriers Based on Mussel-Inspired Polyglycerols for the Application onto Mucosal Tissues. <i>Pharmaceutics</i> , 2022, 14, 940.	4.5	1
581	Genz: Symmetrie – Bauplan der Natur/Maturana, Varela: Der Baum der Erkenntnis/Dieudonné: Geschichte der Mathematik 1700–1900. Ein Abriß/Müller: Fritz Zwicky: Leben und Werk des großen Schweizer Astrophysikers, Raketenforschers und Morphologen (1898–1974)/Taylor: Tributes to Paul Dirac/Giovanelli: Geheimnisvolle Sonne. <i>Physik Journal</i> , 1987, 43, 382-383.	0.1	0
582	Solare Chemie und Materialforschung. <i>Nachrichten Aus Der Chemie</i> , 1995, 43, 1300-1301.	0.0	0
583	Stehle: Order, Chaos, Order/Kafka: Gegen den Untergang/Verhulst: Der Glanz von Kopenhagen/Luchner: Physik ist überall: Streifzüge durch Natur, Alltag, Technik und Forschung/Omnès: The Interpretation of Quantum Mechanics/Neuser: Natur und Begriff/Vogel: Ge. <i>Physik Journal</i> , 1996, 52, 55-60.	0.1	0
584	Cover Picture: <i>Angew. Chem. Int. Ed.</i> 21/2002. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3927-3927.	13.8	0
585	Oberflächenfunktionalisierte Polymere als Träger für chirale Katalysatoren - Anwendung in der asymmetrischen Transferhydrierung. <i>Chemie-Ingenieur-Technik</i> , 2010, 82, 1324-1324.	0.8	0
586	<i>Macromol. Biosci.</i> 12/2011. <i>Macromolecular Bioscience</i> , 2011, 11, 1735-1735.	4.1	0
587	Inside Cover: Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes ( <i>ChemBioChem</i> 6/2011). <i>ChemBioChem</i> , 2011, 12, 814-814.	2.6	0
588	Back Cover: <i>Macromol. Biosci.</i> 8/2014. <i>Macromolecular Bioscience</i> , 2014, 14, 1354-1354.	4.1	0
589	The effects of polyglycerol sulfate-based hydrogels with tunable mechanical integrity on cartilage regeneration in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, S159.	1.3	0
590	Hooking on Viral Glycoproteins with Single Molecule Force Spectroscopy to Study Single and Multiple Bond Formations. <i>Biophysical Journal</i> , 2019, 116, 428a.	0.5	0
591	Supramolecular polymerization of sulfated dendritic peptide amphiphiles into multivalent L-selectin binders. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 97-104.	2.2	0
592	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARS-CoV-2-Infektion**. <i>Angewandte Chemie</i> , 2021, 133, 16005-16014.	2.0	0
593	A Metal-Ion-Incorporated Mussel-Inspired Poly(Vinyl Alcohol)-Based Polymer Coating Offers Improved Antibacterial Activity and Cellular Mechanoresponse Manipulation. <i>Angewandte Chemie</i> , 0, , .	2.0	0