

# Martin MÄjller

## List of Publications by Year in descending order

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185  
papers

6,834  
citations

81839

39  
h-index

76872

74  
g-index

190  
all docs

190  
docs citations

190  
times ranked

8188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered Deposition of Inorganic Clusters from Micellar Block Copolymer Films. <i>Langmuir</i> , 2000, 16, 407-415.	1.6	594
2	The Synthesis of Densely Grafted Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 9413-9415.	2.2	531
3	Degradable polyester scaffolds with controlled surface chemistry combining minimal protein adsorption with specific bioactivation. <i>Nature Materials</i> , 2011, 10, 67-73.	13.3	298
4	Uniform highly branched polymers by anionic grafting: arborescent graft polymers. <i>Macromolecules</i> , 1991, 24, 4548-4553.	2.2	239
5	Rapid Uptake of Gold Nanorods by Primary Human Blood Phagocytes and Immunomodulatory Effects of Surface Chemistry. <i>ACS Nano</i> , 2010, 4, 3073-3086.	7.3	214
6	Single Molecule Rod-to-Globule Phase Transition for Brush Molecules at a Flat Interface. <i>Macromolecules</i> , 2001, 34, 8354-8360.	2.2	196
7	Nerve Cells Decide to Orient inside an Injectable Hydrogel with Minimal Structural Guidance. <i>Nano Letters</i> , 2017, 17, 3782-3791.	4.5	165
8	Soft Microrobots Employing Nonequilibrium Actuation via Plasmonic Heating. <i>Advanced Materials</i> , 2017, 29, 1604825.	11.1	150
9	Design and Structural Analysis of the First Spherical Monodendron Self-Organizable in a Cubic Lattice. <i>Journal of the American Chemical Society</i> , 2000, 122, 4249-4250.	6.6	135
10	4D Printing of a Light-Driven Soft Actuator with Programmed Printing Density. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12176-12185.	4.0	110
11	High-Throughput Generation of Emulsions and Microgels in Parallelized Microfluidic Drop-Makers Prepared by Rapid Prototyping. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12635-12638.	4.0	99
12	Synthesis and degradation of biomedical materials based on linear and star shaped polyglycidols. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3209-3231.	2.5	84
13	One-Pot Synthesis of Hyperbranched Polyethoxysiloxanes. <i>Macromolecules</i> , 2006, 39, 1701-1708.	2.2	83
14	Synthesis, patterning and applications of star-shaped poly(ethylene glycol) biofunctionalized surfaces. <i>Molecular BioSystems</i> , 2007, 3, 419-430.	2.9	83
15	All-Silica Colloidosomes with a Particle-Bilayer Shell. <i>ACS Nano</i> , 2011, 5, 3937-3942.	7.3	82
16	When Colloidal Particles Become Polymer Coils. <i>Langmuir</i> , 2016, 32, 723-730.	1.6	82
17	Dynamic Switching of Helical Microgel Ribbons. <i>Nano Letters</i> , 2017, 17, 2010-2014.	4.5	78
18	Exploring functional pairing between surface glycoconjugates and human galectins using programmable glycodendrimerosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2509-E2518.	3.3	71

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19	Biocompatible and degradable nanogels via oxidation reactions of synthetic thiomers in inverse miniemulsion. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5543-5549.	2.5	70
20	Monomolecular Films of Arborescent Graft Polystyrenes. <i>Macromolecules</i> , 1997, 30, 2343-2349.	2.2	67
21	Arborescent Graft Polybutadienes. <i>Macromolecules</i> , 1997, 30, 5602-5605.	2.2	66
22	Spontaneous Curvature of Comblike Polymers at a Flat Interface. <i>Macromolecules</i> , 2004, 37, 3918-3923.	2.2	65
23	Self-Organization of Polybases Neutralized with Mesogenic Wedge-Shaped Sulfonic Acid Molecules: An Approach toward Supramolecular Cylinders. <i>Journal of the American Chemical Society</i> , 2006, 128, 16928-16937.	6.6	65
24	From Channel-Forming Ionic Liquid Crystals Exhibiting Humidity-Induced Phase Transitions to Nanostructured Ion-Conducting Polymer Membranes. <i>Advanced Materials</i> , 2013, 25, 3543-3548.	11.1	65
25	Polymer Brush-Functionalized Chitosan Hydrogels as Antifouling Implant Coatings. <i>Biomacromolecules</i> , 2017, 18, 1983-1992.	2.6	61
26	Cellular responses to beating hydrogels to investigate mechanotransduction. <i>Nature Communications</i> , 2019, 10, 4027.	5.8	60
27	Conformational Switching of Molecular Brushes in Response to the Energy of Interaction with the Substrate. <i>Journal of Physical Chemistry A</i> , 2004, 108, 9682-9686.	1.1	59
28	Hydroxyl-functional polyurethanes and polyesters: synthesis, properties and potential biomedical application. <i>Polymer International</i> , 2012, 61, 1048-1060.	1.6	57
29	Mixing of Two Immiscible Liquids within the Polymer Microgel Adsorbed at Their Interface. <i>ACS Macro Letters</i> , 2016, 5, 612-616.	2.3	53
30	Light-Switchable Vesicles from Liquid-Crystalline Homopolymer-Surfactant Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11616-11619.	7.2	51
31	Encoding biological recognition in a bicomponent cell-membrane mimic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5376-5382.	3.3	51
32	Mechanically strong hydrogels with reversible behaviour under cyclic compression with MPa loading. <i>Soft Matter</i> , 2013, 9, 2869.	1.2	49
33	Deposition of Electrospun Fibers on Reactive Substrates for <i>In Vitro</i> Investigations. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 77-85.	1.1	48
34	Inkjet Direct Laser Writing for 3D-Designed Hydrogel Composites That Undergo Complex Self-Shaping. <i>Advanced Science</i> , 2018, 5, 1700038.	5.6	46
35	Real-Time Scanning Force Microscopy of Macromolecular Conformational Transitions. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1703-1707.	2.0	45
36	Thin Film Morphologies of Block Copolymers Complexed with Wedge-Shaped Liquid Crystalline Amphiphilic Molecules. <i>Macromolecules</i> , 2008, 41, 1728-1738.	2.2	45

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37	A Facile One-Step Approach toward Polymer@SiO <sub>2</sub> Core-Shell Nanoparticles via a Surfactant-Free Miniemulsion Polymerization Technique. <i>Macromolecules</i> , 2016, 49, 1552-1562.	2.2	44
38	Melt Rheology of Arborescent Graft Polystyrenes. <i>Macromolecules</i> , 1998, 31, 2299-2304.	2.2	43
39	Micro- and Nanopatterned Star Poly(ethylene glycol) (PEG) Materials Prepared by UV-Based Imprint Lithography. <i>Langmuir</i> , 2007, 23, 7841-7846.	1.6	43
40	Thermotropic columnar mesophases of wedge-shaped benzenesulfonic acid mesogens. <i>Liquid Crystals</i> , 2008, 35, 1073-1093.	0.9	42
41	Bottom-up assembly of biomedical relevant fully synthetic extracellular vesicles. <i>Science Advances</i> , 2021, 7, eabg6666.	4.7	42
42	Wedge-Shaped Molecules with a Sulfonate Group at the Tip—A New Class of Self-Assembling Amphiphiles. <i>Chemistry - A European Journal</i> , 2004, 10, 3871-3878.	1.7	41
43	Synthesis and characterization of polyamine-based cyclophosphazene hybrid microspheres. <i>Journal of Polymer Science Part A</i> , 2014, 52, 527-536.	2.5	41
44	Encapsulation of hydrophobic components in dendrimersomes and decoration of their surface with proteins and nucleic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15378-15385.	3.3	41
45	Cellular responses to novel, micropatterned biomaterials. <i>Pure and Applied Chemistry</i> , 2008, 80, 2479-2487.	0.9	39
46	Amphiphilic Arborescent Copolymers and Microgels: From Unimolecular Micelles in a Selective Solvent to the Stable Monolayers of Variable Density and Nanostructure at a Liquid Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31302-31316.	4.0	39
47	In Vitro and In Vivo Evaluation of a Hydrogel Reservoir as a Continuous Drug Delivery System for Inner Ear Treatment. <i>PLoS ONE</i> , 2014, 9, e104564.	1.1	39
48	Membrane-Mimetic Dendrimersomes Engulf Living Bacteria via Endocytosis. <i>Nano Letters</i> , 2019, 19, 5732-5738.	4.5	38
49	Copolymers of 2-hydroxyethylacrylate and 2-methoxyethyl acrylate by nitroxide mediated polymerization: kinetics, SEC-ESI-MS analysis and thermoresponsive properties. <i>Polymer Chemistry</i> , 2012, 3, 335-342.	1.9	37
50	Waterborne physically crosslinked antimicrobial nanogels. <i>Polymer Chemistry</i> , 2016, 7, 364-369.	1.9	37
51	Microencapsulation of Hydrophobic Liquids in Closed All-Silica Colloidosomes. <i>Langmuir</i> , 2014, 30, 4253-4261.	1.6	36
52	Hybrid nanostructured particles via surfactant-free double miniemulsion polymerization. <i>Nature Communications</i> , 2018, 9, 1918.	5.8	36
53	Screening Libraries of Amphiphilic Janus Dendrimers Based on Natural Phenolic Acids to Discover Monodisperse Unilamellar Dendrimersomes. <i>Biomacromolecules</i> , 2019, 20, 712-727.	2.6	36
54	Self-templating Amphiphilic Polymer Precursors for Fabricating Mesostructured Silica Particles: A Water-Based Facile and Universal Method. <i>Advanced Materials</i> , 2013, 25, 1017-1021.	11.1	34

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55	Preparation of polypropylene/silica composites by in-situ sol-gel processing using hyperbranched polyethoxysiloxane. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 48, 51-60.	1.1	32
56	3D microstructuring of smart bioactive hydrogels based on recombinant elastin-like polymers. <i>Soft Matter</i> , 2009, 5, 1591.	1.2	32
57	Basement Membrane Mimics of Biofunctionalized Nanofibers for a Bipolar-Cultured Human Primary Alveolar-Capillary Barrier Model. <i>Biomacromolecules</i> , 2017, 18, 719-727.	2.6	32
58	A Light-Driven Microgel Rotor. <i>Small</i> , 2019, 15, e1903379.	5.2	32
59	Glycan-Functionalized Microgels for Scavenging and Specific Binding of Lectins. <i>Biomacromolecules</i> , 2017, 18, 1460-1465.	2.6	31
60	Tailored hyaluronic acid hydrogels through hydrophilic prepolymer cross-linkers. <i>Soft Matter</i> , 2010, 6, 618-629.	1.2	29
61	Structural rigidity control in arborescent graft polymers. <i>Macromolecular Symposia</i> , 1994, 77, 43-49.	0.4	28
62	Humidity-Modulated Phase Control and Nanoscopic Transport in Supramolecular Assemblies. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3207-3217.	1.2	28
63	A catalyst-free, temperature controlled gelation system for in-mold fabrication of microgels. <i>Chemical Communications</i> , 2018, 54, 6943-6946.	2.2	28
64	Real-Time Imaging of the Coil-Globule Transition of Single Adsorbed Poly(2-vinylpyridine) Molecules. <i>Macromolecular Rapid Communications</i> , 2005, 26, 456-460.	2.0	27
65	Direct Visualization of Vesicle Disassembly and Reassembly Using Photocleavable Dendrimers Elucidates Cargo Release Mechanisms. <i>ACS Nano</i> , 2020, 14, 7398-7411.	7.3	27
66	Microphase Separation in Ultrathin Films of Diblock Copolymers with Variable Stickiness of One of the Blocks to the Surface. <i>Macromolecules</i> , 2005, 38, 2999-3006.	2.2	26
67	Synthesis, Characterization, and Selectivity of Bifunctional Couplers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2366-2381.	1.1	26
68	Synthesis and Association Behaviour of Linear Block Copolymers with Different Microstructures but the Same Composition. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1859-1871.	1.1	25
69	Tailor-made polyesters based on pentadecalactone via enzymatic catalysis. <i>Green Chemistry</i> , 2011, 13, 889.	4.6	25
70	Surfactant-Free Synthesis of Polystyrene Nanoparticles Using Oligoglycidol Macromonomers. <i>Macromolecules</i> , 2012, 45, 1230-1240.	2.2	25
71	Silica nanoparticles catalyse the formation of silica nanocapsules in a surfactant-free emulsion system. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24428-24436.	5.2	25
72	Characterisation of cell-substrate interactions between Schwann cells and three-dimensional fibrin hydrogels containing orientated nanofibre topographical cues. <i>European Journal of Neuroscience</i> , 2016, 43, 376-387.	1.2	25

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73	Thermoresponsive polyacrylates obtained via a cascade of enzymatic transacylation and FRP or NMP. <i>Polymer Chemistry</i> , 2010, 1, 878.	1.9	24
74	Biohybrid nanogels. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3044-3057.	2.5	23
75	Poly(amide urethane)s with functional/reactive side groups based on a bis-cyclic bio-based monomer/coupling agent. <i>European Polymer Journal</i> , 2013, 49, 853-864.	2.6	23
76	An epoxy thiolactone on stage: four component reactions, synthesis of poly(thioether urethane)s and the respective hydrogels. <i>Polymer Chemistry</i> , 2016, 7, 2291-2298.	1.9	23
77	2D- and 3D-microstructured biodegradable polyester resins. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6789-6800.	2.5	22
78	Arborescent Amphiphilic Copolymers as Templates for the Preparation of Gold Nanoparticles. <i>Macromolecules</i> , 2008, 41, 6621-6623.	2.2	22
79	Carbonate Couplers and Functional Cyclic Carbonates from Amino Acids and Glucosamine. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 242-255.	1.1	22
80	Synthesis, characterization and in vitro degradation of 3D-microstructured poly( $\epsilon$ -caprolactone) resins. <i>Polymer Chemistry</i> , 2010, 1, 1215.	1.9	22
81	Tailored Thiol-Functional Polyamides: Synthesis and Functionalization. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1986-1993.	2.0	22
82	Morphology-Controlled Kinetics of Solvent Uptake by Block Copolymer Films in Nonselective Solvent Vapors. <i>ACS Macro Letters</i> , 2014, 3, 803-807.	2.3	22
83	Vapor-induced spreading dynamics of adsorbed linear and brush-like macromolecules as observed by environmental SFM: Polymer chain statistics and scaling exponents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2368-2379.	2.4	21
84	Functional Polymers Bearing Reactive Azetidinium Groups: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 500-512.	1.1	21
85	Radiolabeled Nanogels for Nuclear Molecular Imaging. <i>Macromolecular Rapid Communications</i> , 2013, 34, 562-567.	2.0	21
86	Inclusion of Phase-Change Materials in Submicron Silica Capsules Using a Surfactant-Free Emulsion Approach. <i>Langmuir</i> , 2018, 34, 10397-10406.	1.6	21
87	Methacrylated Self-Organizing 2,3,4-Tris(alkoxy)benzenesulfonate: A New Concept Toward Ion-Selective Membranes. <i>Chemistry of Materials</i> , 2006, 18, 4667-4673.	3.2	20
88	Topography and surface potential in Kelvin force microscopy of perfluoroalkyl alkanes self-assemblies. <i>Journal of Vacuum Science &amp; Technology B</i> , 2009, 27, 903-911.	1.3	20
89	Formation of linear and cyclic polyoxetanes in the cationic ring-opening polymerization of 3-allyloxymethyl- $\epsilon$ -ethyloxetane and subsequent postpolymerization modification of poly(3-allyloxymethyl- $\epsilon$ -ethyloxetane). <i>Journal of Polymer Science Part A</i> , 2013, 51, 1243-1254.	2.5	20
90	CaLB Catalyzed Conversion of $\epsilon$ -Caprolactone in Aqueous Medium. Part 1: Immobilization of CaLB to Microgels. <i>Polymers</i> , 2016, 8, 372.	2.0	20

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91	Multistage Passive and Active Delivery of Radiolabeled Nanogels for Superior Tumor Penetration Efficiency. <i>Biomacromolecules</i> , 2017, 18, 2489-2498.	2.6	20
92	Chlorhexidine Loaded Cyclodextrin Containing PMMA Nanogels as Antimicrobial Coating and Delivery Systems. <i>Macromolecular Bioscience</i> , 2017, 17, 1600230.	2.1	20
93	Synthesis of Azetidinium-Functionalized Polymers Using a Piperazine Based Coupler. <i>Macromolecules</i> , 2013, 46, 638-646.	2.2	19
94	Synthesis of high-molecular-weight linear methacrylate copolymers with spiropyran side groups: Conformational changes of single molecules in solution and on surfaces. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1274-1283.	2.5	18
95	Temperature-Induced Phase Transition Characterization of Responsive Polymer Brushes Grafted onto Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600495.	1.1	18
96	Impact of Glutathione Modulation on Stability and Pharmacokinetic Profile of Redox-Sensitive Nanogels. <i>Small</i> , 2018, 14, e1704093.	5.2	18
97	Diffusion of Gold Nanorods Functionalized with Thermo-responsive Polymer Brushes. <i>Langmuir</i> , 2018, 34, 8031-8041.	1.6	18
98	Protease Responsive Nanogels for Transcytosis across the Blood-Brain Barrier and Intracellular Delivery of Radiopharmaceuticals to Brain Tumor Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100812.	3.9	18
99	Mimicking the Natural Basement Membrane for Advanced Tissue Engineering. <i>Biomacromolecules</i> , 2022, 23, 3081-3103.	2.6	18
100	Free radical and nitroxide mediated polymerization of hydroxy-functional acrylates prepared via lipase-catalyzed transacylation reactions. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2610-2621.	2.5	17
101	Mild Oxidation of Thiofunctional Polymers to Cytocompatible and Stimuli-Sensitive Hydrogels and Nanogels. <i>Macromolecular Bioscience</i> , 2013, 13, 470-482.	2.1	17
102	The Next Step in Biomimetic Material Design: Poly(LacNAc)-Mediated Reversible Exposure of Extra Cellular Matrix Components. <i>Advanced Healthcare Materials</i> , 2013, 2, 306-311.	3.9	17
103	Reasons for the Discoloration of Postconsumer Poly(ethylene terephthalate) during Reprocessing. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1454-1467.	1.7	17
104	Investigation on the Flame Retardant Properties and Fracture Toughness of DOPO and Nano-SiO <sub>2</sub> Modified Epoxy Novolac Resin and Evaluation of Its Combinational Effects. <i>Materials</i> , 2019, 12, 1528.	1.3	17
105	Novel Biodegradable Heterografted Polymer Brushes Prepared via a Chemoenzymatic Approach. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 736-746.	1.1	16
106	Designed AB Copolymers as Efficient Stabilizers of Colloidal Particles. <i>Macromolecules</i> , 2010, 43, 5442-5449.	2.2	16
107	Creation of Superhydrophobic Electrospun Nonwovens Fabricated from Naturally Occurring Poly(Amino Acid) Derivatives. <i>Advanced Functional Materials</i> , 2014, 24, 6359-6364.	7.8	16
108	SET-LRP in biphasic mixtures of fluorinated alcohols with water. <i>Polymer Chemistry</i> , 2018, 9, 2313-2327.	1.9	16

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109	$\epsilon$ -Caprolactones: Synthesis, Ring-Opening Polymerization vs. Rearrangement by Means of Chemical and Enzymatic Catalysis. <i>Macromolecular Symposia</i> , 2008, 272, 28-38.	0.4	15
110	Selective exposition of high and low density crystal facets of gold nanocrystals using the seeded-growth technique. <i>CrystEngComm</i> , 2011, 13, 850-856.	1.3	15
111	A hydrogel-based versatile screening platform for specific biomolecular recognition in a well plate format. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 517-526.	1.9	15
112	MALDI-TOF Analysis of Halogen Telechelic Poly(methyl methacrylate)s and Poly(methyl acrylate)s Prepared by Atom Transfer Radical Polymerization (ATRP) or Single Electron Transfer-Living Radical Polymerization (SET-LRP). <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1791-1800.	1.1	15
113	3D-Printing of Structure-Controlled Antigen Nanoparticles for Vaccine Delivery. <i>Biomacromolecules</i> , 2020, 21, 2043-2048.	2.6	15
114	Preparation of waterborne functional polymers using a bifunctional coupler. <i>Green Chemistry</i> , 2013, 15, 3135.	4.6	14
115	Microgel in a Pore: Intraparticle Segregation or Snail-like Behavior Caused by Collapse and Swelling. <i>Macromolecules</i> , 2018, 51, 8147-8155.	2.2	14
116	Guidance of Mesenchymal Stem Cells on Fibronectin Structured Hydrogel Films. <i>PLoS ONE</i> , 2014, 9, e109411.	1.1	14
117	Targeting In-Stent-Stenosis with RGD- and CXCL1-Coated Mini-Stents in Mice. <i>PLoS ONE</i> , 2016, 11, e0155829.	1.1	14
118	Synthesis, Characterization, and Visualization of High-Molecular-Weight Poly(glycidol-graft- $\mu$ -caprolactone) Starlike Polymers. <i>Macromolecules</i> , 2009, 42, 1031-1036.	2.2	13
119	Tuning the Elasticity of Nanogels Improves Their Circulation Time by Evading Immune Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
120	Radiolabeled Nanocarriers as Theranostics—Advancement from Peptides to Nanocarriers. <i>Small</i> , 2022, 18, e2200673.	5.2	13
121	Synthesis of Reactive Amphiphilic Copolymers Based on Oligoglycidol Macromonomers. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1791-1801.	1.1	12
122	One-Pot Synthesis of Multifunctional Polymers by Light-Controlled Radical Polymerization and Enzymatic Catalysis with <i>Candida antarctica</i> Lipase B. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2092-2096.	2.0	12
123	Bottom-Up Fabrication of Nanostructured Bicontinuous and Hexagonal Ion-Conducting Polymer Membranes. <i>Macromolecules</i> , 2017, 50, 5392-5401.	2.2	12
124	Microgels Sopping Up Toxins—GM1a-Functionalized Microgels as Scavengers for Cholera Toxin. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25017-25023.	4.0	12
125	Impact of the chain extension of poly(ethylene terephthalate) with 1,3-phenylene-bisoxazoline and <i>N,N</i> -dicarbonylbiscaprolactam by reactive extrusion on its properties. <i>Polymer Engineering and Science</i> , 2019, 59, 284-294.	1.5	12
126	Synthesis and characterization of biodegradable polyester/polyether resins via Michael-type addition. <i>Polymer Chemistry</i> , 2011, 2, 2273.	1.9	11



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127	Surface ordering and anchoring behaviour at liquid crystal surfaces laden with semifluorinated alkane molecules. <i>Soft Matter</i> , 2012, 8, 9661.	1.2	11
128	Polymerizable wedge-shaped ionic liquid crystals for fabrication of ion-conducting membranes: Impact of the counterion on the phase structure and conductivity. <i>European Polymer Journal</i> , 2016, 81, 674-685.	2.6	11
129	Thermodynamic Parameters of Temperature-Induced Phase Transition for Brushes onto Nanoparticles: Hydrophilic versus Hydrophobic End-Groups Functionalization. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700362.	2.0	11
130	One-pot formation of monodisperse polymer@SiO <sub>2</sub> core-shell nanoparticles via surfactant-free emulsion polymerization using an adaptive silica precursor polymer. <i>Polymer Chemistry</i> , 2017, 8, 6263-6271.	1.9	11
131	Homoserine Lactone as a Structural Key Element for the Synthesis of Multifunctional Polymers. <i>Polymers</i> , 2017, 9, 130.	2.0	11
132	The swimming of a deforming helix. <i>European Physical Journal E</i> , 2018, 41, 119.	0.7	11
133	Synthesis, Characterization, and Antimicrobial Properties of Peptides Mimicking Copolymers of Maleic Anhydride and 4-Methyl-1-pentene. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2617.	1.8	11
134	One-Pot Synthesis of Amino Acid-Based Polyelectrolytes and Nanoparticle Synthesis. <i>Biomacromolecules</i> , 2017, 18, 159-168.	2.6	10
135	Comparison of <i>Candida antarctica</i> Lipase B Variants for Conversion of $\mu$ -Caprolactone in Aqueous Medium—Part 2. <i>Polymers</i> , 2018, 10, 524.	2.0	10
136	How Shape Memory Effects can Contribute to Improved Self-Healing Properties in Polymer Materials. <i>Macromolecules</i> , 2021, 54, 2506-2517.	2.2	10
137	Dynamic flow enables long-term maintenance of 3D vascularized human skin models. <i>Applied Materials Today</i> , 2021, 25, 101213.	2.3	10
138	Multifunctional Polymethacrylates Obtained Via ATRP of Functional and Reactive Monomers Followed by Polymer Analogous Reaction with Functional Amines. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2012-2025.	1.1	9
139	Synthesis and Characterization of Amphiphilic Polyethers Based on Tetrahydrofuran and Glycidol: Antibacterial Assessment. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 614-630.	1.1	9
140	Synthesis and Characterisation of Poly[oligo( $\mu$ -caprolactone) <sub>L</sub> -malate-graft-poly( $\epsilon$ -lactide)]. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 752-760.	1.1	9
141	Biohybrid nanogels by crosslinking of ovalbumin with reactive star-PEGs in W/O emulsions. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4288-4299.	2.5	9
142	Highly Swellable Hydrogels from Waterborne Poly(Vinylamine-co-Acetamide). <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800399.	1.1	9
143	Long-Term and Clinically Relevant Full-Thickness Human Skin Equivalent for Psoriasis. <i>ACS Applied Bio Materials</i> , 2020, 3, 6639-6647.	2.3	9
144	Microgel that swims to the beat of light. <i>European Physical Journal E</i> , 2021, 44, 79.	0.7	9

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145	Synthesis of 1,10-isocyanate telechelic Poly(methyl methacrylate). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1465-1474.	1.1	8
146	Synthesis and characterization of poly(ester amide amide)s of different alkylene chain lengths. <i>Polymer Bulletin</i> , 2019, 76, 495-509.	1.7	8
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148	In Situ 3D-Printing using a Bio-ink of Protein-photosensitizer Conjugates for Single-cell Manipulation. <i>ACS Applied Bio Materials</i> , 2020, 3, 2378-2384.	2.3	8
149	Synthesis and Characterization of Polyhydroxyurethanes Prepared from Difunctional Six-Membered Ring Carbonates. <i>Designed Monomers and Polymers</i> , 2011, 14, 593-608.	0.7	7
150	Synthesis of 1,10-isocyanate telechelic polymethacrylate soft segments with activated ester side functionalities and their use for polyurethane synthesis. <i>Polymer International</i> , 2014, 63, 114-126.	1.6	7
151	Quantifying ligand-cell interactions and determination of the surface concentrations of ligands on hydrogel films: The measurement challenge. <i>Biointerphases</i> , 2015, 10, 021007.	0.6	7
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154	Highly Functional Poly(meth)acrylates via Cascade Reaction. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 123-139.	1.1	6
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158	Phosphonoethylated Polyglycidols: A Platform for Tunable Enzymatic Grafting Density. <i>Macromolecules</i> , 2013, 46, 3708-3718.	2.2	6
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160	Polymers Diffusivity Encoded by Stimuli-Induced Phase Transition: Theory and Application to Poly(N-isopropylacrylamide) with Hydrophilic and Hydrophobic End Groups. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700587.	1.1	6
161	Poly(vinylamine-co-N-isopropylacrylamide) linear polymer and hydrogels with tuned thermoresponsivity. <i>Soft Matter</i> , 2020, 16, 6549-6562.	1.2	6
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165	Thiolactone-Functional Pullulan for <i>In Situ</i> Forming Biogels. <i>Biomacromolecules</i> , 2021, 22, 4262-4273.	2.6	5
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169	Reactive Self-Assembly and Specific Cellular Delivery of NCO- <i>P</i> (EO- <i>t</i> PO)-Derived Nanogels. <i>Macromolecular Bioscience</i> , 2018, 18, e1800094.	2.1	4
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171	Light-Controlled Radical Polymerization of Functional Methacrylates Prepared by Enzymatic Transacylation. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 9-23.	1.1	3
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174	Morphology of Novel PEAs Containing Two Consecutive Amide Bonds Randomly Distributed Along the Polyester Backbone. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 471-480.	1.1	2
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178	Textile functionalization by combination of twin polymerization and polyalkoxysiloxane-based sol-gel chemistry. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	2
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182	Telechelic Poly(methyl acrylate)s as Constituents for Multiblock Poly(urethane urea)s. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 72-84.	1.1	1
183	Formaldehydeâ€free curing of cotton cellulose fabrics in anhydrous media. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48371.	1.3	1
184	Globular Hydrophilic Poly(acrylate)s by an Arborescent <i>Grafting-from</i> Synthesis. <i>Macromolecules</i> , 2022, 55, 2222-2234.	2.2	1
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