

Martin MÄjller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/769572/publications.pdf>

Version: 2024-02-01

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	Globular Hydrophilic Poly(acrylate)s by an Arborescent <i>Grafting-from</i> Synthesis. <i>Macromolecules</i> , 2022, 55, 2222-2234.	2.2	1
2	Tuning the Elasticity of Nanogels Improves Their Circulation Time by Evading Immune Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
3	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
4	Radiolabeled Nanocarriers as Theranostics—Advancement from Peptides to Nanocarriers. <i>Small</i> , 2022, 18, e2200673.	5.2	13
5	Mimicking the Natural Basement Membrane for Advanced Tissue Engineering. <i>Biomacromolecules</i> , 2022, 23, 3081-3103.	2.6	18
6	How Shape Memory Effects can Contribute to Improved Self-Healing Properties in Polymer Materials. <i>Macromolecules</i> , 2021, 54, 2506-2517.	2.2	10
7	Microgel that swims to the beat of light. <i>European Physical Journal E</i> , 2021, 44, 79.	0.7	9
8	Bottom-up assembly of biomedical relevant fully synthetic extracellular vesicles. <i>Science Advances</i> , 2021, 7, eabg6666.	4.7	42
9	Thiolactone-Functional Pullulan for <i>In Situ</i> Forming Biogels. <i>Biomacromolecules</i> , 2021, 22, 4262-4273.	2.6	5
10	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
11	Dynamic flow enables long-term maintenance of vascularized human skin models. <i>Applied Materials Today</i> , 2021, 25, 101213.	2.3	10
12	Formaldehyde-free curing of cotton cellulose fabrics in anhydrous media. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48371.	1.3	1
13	Metal Coordination Induces Phase Segregation in Amphipolar Arborescent Copolymers with a Core-Shell-Corona Architecture. <i>Macromolecules</i> , 2020, 53, 8108-8122.	2.2	5
14	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
15	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
16	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
17	3D-Printing of Structure-Controlled Antigen Nanoparticles for Vaccine Delivery. <i>Biomacromolecules</i> , 2020, 21, 2043-2048.	2.6	15
18	Poly(vinylamine-co-N-isopropylacrylamide) linear polymer and hydrogels with tuned thermoresponsivity. <i>Soft Matter</i> , 2020, 16, 6549-6562.	1.2	6

#	ARTICLE	IF	CITATIONS
19	4D Printing of a Light-Driven Soft Actuator with Programmed Printing Density. ACS Applied Materials & Interfaces, 2020, 12, 12176-12185.	4.0	110
20	Synthesis and characterization of poly(ester amide amide)s of different alkylene chain lengths. Polymer Bulletin, 2019, 76, 495-509.	1.7	8
21	Formation of Monodisperse Polymer@SiO ₂ Core-Shell Nanoparticles via Polymerization in Emulsions Stabilized by Amphiphilic Silica Precursor Polymers: HLB Dictates the Reaction Mechanism and Particle Size. Macromolecules, 2019, 52, 5670-5678.	2.2	8
22	Membrane-Mimetic Dendrimersomes Engulf Living Bacteria via Endocytosis. Nano Letters, 2019, 19, 5732-5738.	4.5	38
23	Encapsulation of hydrophobic components in dendrimersomes and decoration of their surface with proteins and nucleic acids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15378-15385.	3.3	41
24	Microgels Sopping Up Toxins—GM1a-Functionalized Microgels as Scavengers for Cholera Toxin. ACS Applied Materials & Interfaces, 2019, 11, 25017-25023.	4.0	12
25	Approach to Obtain Electrospun Hydrophilic Fibers and Prevent Fiber Necking. Macromolecular Materials and Engineering, 2019, 304, 1900565.	1.7	3
26	A Light-Driven Microgel Rotor. Small, 2019, 15, e1903379.	5.2	32
27	Cellular responses to beating hydrogels to investigate mechanotransduction. Nature Communications, 2019, 10, 4027.	5.8	60
28	Investigation on the Flame Retardant Properties and Fracture Toughness of DOPO and Nano-SiO ₂ Modified Epoxy Novolac Resin and Evaluation of Its Combinational Effects. Materials, 2019, 12, 1528.	1.3	17
29	Encoding biological recognition in a bicomponent cell-membrane mimic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5376-5382.	3.3	51
30	Screening Libraries of Amphiphilic Janus Dendrimers Based on Natural Phenolic Acids to Discover Monodisperse Unilamellar Dendrimersomes. Biomacromolecules, 2019, 20, 712-727.	2.6	36
31	Impact of the chain extension of poly(ethylene terephthalate) with 1,3-phenylene-bisoxazoline and N,N'-dicarbonylbiscaprolactam by reactive extrusion on its properties. Polymer Engineering and Science, 2019, 59, 284-294.	1.5	12
32	Impact of Glutathione Modulation on Stability and Pharmacokinetic Profile of Redox-Sensitive Nanogels. Small, 2018, 14, e1704093.	5.2	18
33	Exploring functional pairing between surface glycoconjugates and human galectins using programmable glycodendrimersomes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2509-E2518.	3.3	71
34	SET-LRP in biphasic mixtures of fluorinated alcohols with water. Polymer Chemistry, 2018, 9, 2313-2327.	1.9	16
35	Ink-Gel Direct Laser Writing for 3D-Designed Hydrogel Composites That Undergo Complex Self-Shaping. Advanced Science, 2018, 5, 1700038.	5.6	46
36	Highly Swellable Hydrogels from Waterborne Poly(Vinylamine-co-Acetamide). Macromolecular Chemistry and Physics, 2018, 219, 1800399.	1.1	9

#	ARTICLE	IF	CITATIONS
37	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
38	The swimming of a deforming helix. <i>European Physical Journal E</i> , 2018, 41, 119.	0.7	11
39	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
40	Hybrid nanostructured particles via surfactant-free double miniemulsion polymerization. <i>Nature Communications</i> , 2018, 9, 1918.	5.8	36
41	Polymers Diffusivity Encoded by Stimuli-Induced Phase Transition: Theory and Application to Poly(<i>N</i> -isopropylacrylamide) with Hydrophilic and Hydrophobic End Groups. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700587.	1.1	6
42	A catalyst-free, temperature controlled gelation system for in-mold fabrication of microgels. <i>Chemical Communications</i> , 2018, 54, 6943-6946.	2.2	28
43	Novel Antibacterial Polyglycidols: Relationship between Structure and Properties. <i>Polymers</i> , 2018, 10, 96.	2.0	7
44	Solubility, Emulsification and Surface Properties of Maleic Anhydride, Perfluorooctyl and Alkyl Meth-Acrylate Terpolymers. <i>Polymers</i> , 2018, 10, 37.	2.0	3
45	Comparison of <i>Candida antarctica</i> Lipase B Variants for Conversion of μ -Caprolactone in Aqueous Medium—Part 2. <i>Polymers</i> , 2018, 10, 524.	2.0	10
46	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
47	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
48	Diffusion of Gold Nanorods Functionalized with Thermoresponsive Polymer Brushes. <i>Langmuir</i> , 2018, 34, 8031-8041.	1.6	18
49	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
50	Temperature-Induced Phase Transition Characterization of Responsive Polymer Brushes Grafted onto Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600495.	1.1	18
51	Aliphatic Polyethers with Sulfate, Carboxylate, and Hydroxyl Side Groups—Do They Show Anticoagulant Properties?. <i>Macromolecular Bioscience</i> , 2017, 17, .	2.1	2
52	Glycan-Functionalized Microgels for Scavenging and Specific Binding of Lectins. <i>Biomacromolecules</i> , 2017, 18, 1460-1465.	2.6	31
53	Dynamic Switching of Helical Microgel Ribbons. <i>Nano Letters</i> , 2017, 17, 2010-2014.	4.5	78
54	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 & Interfaces</i> , 2017, 9, 31302-31316.	4.0	39

#	ARTICLE	IF	CITATIONS
55	Polymer Brush-Functionalized Chitosan Hydrogels as Antifouling Implant Coatings. <i>Biomacromolecules</i> , 2017, 18, 1983-1992.	2.6	61
56	Complexing P2VP and P2VP- <i>b</i> -PEO with Wedge-Shaped Amphiphiles. <i>Macromolecules</i> , 2017, 50, 4754-4758.	2.2	2
57	Nerve Cells Decide to Orient inside an Injectable Hydrogel with Minimal Structural Guidance. <i>Nano Letters</i> , 2017, 17, 3782-3791.	4.5	165
58	Protecting patches in colloidal synthesis of Au semishells. <i>Chemical Communications</i> , 2017, 53, 3898-3901.	2.2	5
59	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
60	One-pot formation of monodisperse polymer@SiO ₂ 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
61	Multistage Passive and Active Delivery of Radiolabeled Nanogels for Superior Tumor Penetration Efficiency. <i>Biomacromolecules</i> , 2017, 18, 2489-2498.	2.6	20
62	Bottom-Up Fabrication of Nanostructured Bicontinuous and Hexagonal Ion-Conducting Polymer Membranes. <i>Macromolecules</i> , 2017, 50, 5392-5401.	2.2	12
63	One-Pot Synthesis of Amino Acid-Based Polyelectrolytes and Nanoparticle Synthesis. <i>Biomacromolecules</i> , 2017, 18, 159-168.	2.6	10
64	Soft Microrobots Employing Nonequilibrium Actuation via Plasmonic Heating. <i>Advanced Materials</i> , 2017, 29, 1604825.	11.1	150
65	Chlorhexidine Loaded Cyclodextrin Containing PMMA Nanogels as Antimicrobial Coating and Delivery Systems. <i>Macromolecular Bioscience</i> , 2017, 17, 1600230.	2.1	20
66	Homoserine Lactone as a Structural Key Element for the Synthesis of Multifunctional Polymers. <i>Polymers</i> , 2017, 9, 130.	2.0	11
67	Synthesis of Terpolymers with Homogeneous Composition by Free Radical Copolymerization of Maleic Anhydride, Perfluorooctyl and Butyl or Dodecyl Methacrylates: Application of the Continuous Flow Monomer Addition Technique. <i>Polymers</i> , 2017, 9, 610.	2.0	5
68	Development of New Masterbatches Containing Chain Extenders for Poly(ethylene terephthalate). <i>Macromolecular Symposia</i> , 2017, 375, 1600180.	0.4	2
69	CaLB Catalyzed Conversion of $\hat{\mu}$ -Caprolactone in Aqueous Medium. Part 1: Immobilization of CaLB to Microgels. <i>Polymers</i> , 2016, 8, 372.	2.0	20
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Reasons for the Discoloration of Postconsumer Poly(ethylene terephthalate) during Reprocessing. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1454-1467.	1.7	17
74	Light-Controlled Radical Polymerization of Functional Methacrylates Prepared by Enzymatic Transacylation. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 9-23.	1.1	3
75	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
76	A Facile One-Step Approach toward Polymer@SiO ₂ Core-Shell Nanoparticles via a Surfactant-Free Miniemulsion Polymerization Technique. <i>Macromolecules</i> , 2016, 49, 1552-1562.	2.2	44
77	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
78	When Colloidal Particles Become Polymer Coils. <i>Langmuir</i> , 2016, 32, 723-730.	1.6	82
79	Waterborne physically crosslinked antimicrobial nanogels. <i>Polymer Chemistry</i> , 2016, 7, 364-369.	1.9	37
80	Targeting In-Stent-Stenosis with RGD- and CXCL1-Coated Mini-Stents in Mice. <i>PLoS ONE</i> , 2016, 11, e0155829.	1.1	14
81	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
82	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
83	High-Throughput Generation of Emulsions and Microgels in Parallelized Microfluidic Drop-Makers Prepared by Rapid Prototyping. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12635-12638.	4.0	99
84	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
85	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
86	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
87	Synthesis and characterization of polyamine-based cyclophosphazene hybrid microspheres. <i>Journal of Polymer Science Part A</i> , 2014, 52, 527-536.	2.5	41
88	Tailored Thiol-Functional Polyamides: Synthesis and Functionalization. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1986-1993.	2.0	22
89	Synthesis of \hat{I}_{\pm} -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
90	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

#	ARTICLE	IF	CITATIONS
91	Microencapsulation of Hydrophobic Liquids in Closed All-Silica Colloidosomes. <i>Langmuir</i> , 2014, 30, 4253-4261.	1.6	36
92	Humidity-Modulated Phase Control and Nanoscopic Transport in Supramolecular Assemblies. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3207-3217.	1.2	28
93	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
94	Guidance of Mesenchymal Stem Cells on Fibronectin Structured Hydrogel Films. <i>PLoS ONE</i> , 2014, 9, e109411.	1.1	14
95	Mechanically strong hydrogels with reversible behaviour under cyclic compression with MPa loading. <i>Soft Matter</i> , 2013, 9, 2869.	1.2	49
96	Ultrathin sP(EO-stat-PO) hydrogel coatings are biocompatible and preserve functionality of surface bound growth factors in vivo. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2417-2427.	1.7	6
97	Synthesis of Azetidinium-Functionalized Polymers Using a Piperazine Based Coupler. <i>Macromolecules</i> , 2013, 46, 638-646.	2.2	19
98	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
99	Radiolabeled Nanogels for Nuclear Molecular Imaging. <i>Macromolecular Rapid Communications</i> , 2013, 34, 562-567.	2.0	21
100	Preparation of waterborne functional polymers using a bifunctional coupler. <i>Green Chemistry</i> , 2013, 15, 3135.	4.6	14
101	Biohybrid nanogels. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3044-3057.	2.5	23
102	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
103	Formation of linear and cyclic polyoxetanes in the cationic ring-opening polymerization of 3-allyloxymethyl-3-ethyloxetane and subsequent postpolymerization modification of poly(3-allyloxymethyl-3-ethyloxetane). <i>Journal of Polymer Science Part A</i> , 2013, 51, 1243-1254.	2.5	20
104	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
105	Mild Oxidation of Thiofunctional Polymers to Cytocompatible and Stimuli-Sensitive Hydrogels and Nanogels. <i>Macromolecular Bioscience</i> , 2013, 13, 470-482.	2.1	17
106	Phosphonoethylated Polyglycidols: A Platform for Tunable Enzymatic Grafting Density. <i>Macromolecules</i> , 2013, 46, 3708-3718.	2.2	6
107	Morphological Heterogeneity by Diffusional Kurtosis NMR Spectroscopy in Perfluorosulfonic Acid/SiO ₂ Composite Proton-Exchange Membranes. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1345-1355.	1.1	6
108	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

#	ARTICLE	IF	CITATIONS
109	Spreading and Dewetting of Single Bottle-Brush Macromolecules on Nanofaceted SrTiO ₃ Substrate as Induced by Different Vapours. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 761-775.	1.1	1
110	Light-Switchable Vesicles from Liquid-Crystalline Homopolymer-Surfactant Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11616-11619.	7.2	51
111	Surfactant-Free Synthesis of Polystyrene Nanoparticles Using Oligoglycidol Macromonomers. <i>Macromolecules</i> , 2012, 45, 1230-1240.	2.2	25
112	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
113	Surface ordering and anchoring behaviour at liquid crystal surfaces laden with semifluorinated alkane molecules. <i>Soft Matter</i> , 2012, 8, 9661.	1.2	11
114	Hydroxyl-functional polyurethanes and polyesters: synthesis, properties and potential biomedical application. <i>Polymer International</i> , 2012, 61, 1048-1060.	1.6	57
115	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
116	Synthesis of β -isocyanate-telechelic Poly(methyl methacrylate). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1465-1474.	1.1	8
117	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
118	Functional Polymers Bearing Reactive Azetidinium Groups: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 500-512.	1.1	21
119	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
120	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
121	Synthesis and characterization of biodegradable polyester/polyether resins via Michael-type addition. <i>Polymer Chemistry</i> , 2011, 2, 2273.	1.9	11
122	Tailor-made polyesters based on pentadecalactone via enzymatic catalysis. <i>Green Chemistry</i> , 2011, 13, 889.	4.6	25
123	All-Silica Colloidosomes with a Particle-Bilayer Shell. <i>ACS Nano</i> , 2011, 5, 3937-3942.	7.3	82
124	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
125	Synthesis of a Difunctional Orthogonal Coupler for the Preparation of Carbohydrate-Functionalized sP(EO- <i>b</i> -PPO) Hydrogels. <i>Macromolecular Bioscience</i> , 2011, 11, 1201-1210.	2.1	6
126	Synthesis of Reactive Amphiphilic Copolymers Based on Oligoglycidol Macromonomers. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1791-1801.	1.1	12

#	ARTICLE	IF	CITATIONS
127	Polymerization of Vinylidene Difluoride in Supercritical Carbon Dioxide. <i>Chemie-Ingenieur-Technik</i> , 2011, 83, 1419-1442.	0.4	1
128	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
129	Synthesis and Characterisation of Poly[oligo(μ -caprolactone) $\text{-}L$ -malate $\text{-}i$ graft $\text{-}poly(L$ -lactide)]. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 752-760.	1.1	9
130	Synthesis, Characterization, and Selectivity of Bifunctional Couplers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2366-2381.	1.1	26
131	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
132	Multifunctional Polyesters for Bioartificial Vascular Prostheses. <i>Macromolecular Symposia</i> , 2010, 296, 453-456.	0.4	0
133	Hydroxy Functional Acrylates: Enzymatic Synthesis and Free Radical Polymerization. <i>Macromolecular Symposia</i> , 2010, 296, 49-52.	0.4	1
134	Thermoresponsive polyacrylates obtained via a cascade of enzymatic transacylation and FRP or NMP. <i>Polymer Chemistry</i> , 2010, 1, 878.	1.9	24
135	Synthesis, characterization and in vitro degradation of 3D-microstructured poly(μ -caprolactone) resins. <i>Polymer Chemistry</i> , 2010, 1, 1215.	1.9	22
136	Graft Copolymers Based on Functional Polyesters. <i>Macromolecular Symposia</i> , 2010, 296, 366-370.	0.4	4
137	Star Shaped Polyglycidols End Capped with Vinyl sulfonate Groups and Conjugation Reaction with Dodecylamine. <i>Macromolecular Symposia</i> , 2010, 296, 1-4.	0.4	4
138	Designed AB Copolymers as Efficient Stabilizers of Colloidal Particles. <i>Macromolecules</i> , 2010, 43, 5442-5449.	2.2	16
139	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
140	Tailored hyaluronic acid hydrogels through hydrophilic prepolymer cross-linkers. <i>Soft Matter</i> , 2010, 6, 618-629.	1.2	29
141	Highly Functional Poly(meth)acrylates via Cascade Reaction. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 123-139.	1.1	6
142	Topography and surface potential in Kelvin force microscopy of perfluoroalkyl alkanes self-assemblies. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 903-911.	1.3	20
143	Carbonate Couplers and Functional Cyclic Carbonates from Amino Acids and Glucosamine. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 242-255.	1.1	22
144	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

#	ARTICLE	IF	CITATIONS
145	Novel Biodegradable Heterografted Polymer Brushes Prepared via a Chemoenzymatic Approach. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 736-746.	1.1	16
146	Synthesis of Chitosan Surfactants. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 752-768.	1.1	6
147	Synthesis and aggregation behaviour of amphiphilic block copolymers with random middle block. <i>Colloid and Polymer Science</i> , 2009, 287, 1183-1193.	1.0	3
148	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
149	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
150	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
151	Synthesis, Characterization, and Visualization of High-Molecular-Weight Poly(glycidol-graft- μ -caprolactone) Starlike Polymers. <i>Macromolecules</i> , 2009, 42, 1031-1036.	2.2	13
152	Deposition of Electrospun Fibers on Reactive Substrates for In Vitro Investigations. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 77-85.	1.1	48
153	3D microstructuring of smart bioactive hydrogels based on recombinant elastin-like polymers. <i>Soft Matter</i> , 2009, 5, 1591.	1.2	32
154	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
155	2D- and 3D-microstructured biodegradable polyester resins. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6789-6800.	2.5	22
156	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
157	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
158	Thermotropic columnar mesophases of wedge-shaped benzenesulfonic acid mesogens. <i>Liquid Crystals</i> , 2008, 35, 1073-1093.	0.9	42
159	Arborescent Amphiphilic Copolymers as Templates for the Preparation of Gold Nanoparticles. <i>Macromolecules</i> , 2008, 41, 6621-6623.	2.2	22
160	Thin Film Morphologies of Block Copolymers Complexed with Wedge-Shaped Liquid Crystalline Amphiphilic Molecules. <i>Macromolecules</i> , 2008, 41, 1728-1738.	2.2	45
161	ϵ -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
162	Cellular responses to novel, micropatterned biomaterials. <i>Pure and Applied Chemistry</i> , 2008, 80, 2479-2487.	0.9	39

#	ARTICLE	IF	CITATIONS
163	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
164	Synthesis, patterning and applications of star-shaped poly(ethylene glycol) biofunctionalized surfaces. <i>Molecular BioSystems</i> , 2007, 3, 419-430.	2.9	83
165	Synthesis and polymerization of first-generation dendritic methacrylate macromonomers. <i>Journal of Polymer Science Part A</i> , 2007, 45, 614-628.	2.5	6
166	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
167	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
168	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
169	One-Pot Synthesis of Hyperbranched Polyethoxysiloxanes. <i>Macromolecules</i> , 2006, 39, 1701-1708.	2.2	83
170	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
171	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
172	Real-Time Scanning Force Microscopy of Macromolecular Conformational Transitions. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1703-1707.	2.0	45
173	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
174	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
175	Spontaneous Curvature of Comblike Polymers at a Flat Interface. <i>Macromolecules</i> , 2004, 37, 3918-3923.	2.2	65
176	Single Molecule Rod-Globule Phase Transition for Brush Molecules at a Flat Interface. <i>Macromolecules</i> , 2001, 34, 8354-8360.	2.2	196
177	Ordered Deposition of Inorganic Clusters from Micellar Block Copolymer Films. <i>Langmuir</i> , 2000, 16, 407-415.	1.6	594
178	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
179	The Synthesis of Densely Grafted Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 9413-9415.	2.2	531
180	Melt Rheology of Arborescent Graft Polystyrenes. <i>Macromolecules</i> , 1998, 31, 2299-2304.	2.2	43

#	ARTICLE	IF	CITATIONS
181	Arborescent Graft Polybutadienes. <i>Macromolecules</i> , 1997, 30, 5602-5605.	2.2	66
182	Monomolecular Films of Arborescent Graft Polystyrenes. <i>Macromolecules</i> , 1997, 30, 2343-2349.	2.2	67
183	Structural rigidity control in arborescent graft polymers. <i>Macromolecular Symposia</i> , 1994, 77, 43-49.	0.4	28
184	Uniform highly branched polymers by anionic grafting: arborescent graft polymers. <i>Macromolecules</i> , 1991, 24, 4548-4553.	2.2	239
185	Tuning the Elasticity of Nanogels Improves Their Circulation Time by Evading Immune Cells. <i>Angewandte Chemie</i> , 0, , .	1.6	5