

# Axel MÃ¼ller

## List of Publications by Year in descending order

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484  
papers

33,751  
citations

3334

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6131

159  
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500  
docs citations

500  
times ranked

20990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Synthesis and Wetting Characteristics of Amphiphilic Galactose-PLA Block Copolymers: A Potential Additive for the Accelerated Biodegradation of Micro- and Nanoplastics. <i>Macromolecular Chemistry and Physics</i> , 2023, 224, .	2.2	2
2	In vitro cultivation of primary intestinal cells from <i>Eisenia fetida</i> as basis for ecotoxicological studies. <i>Ecotoxicology</i> , 2022, 31, 221-233.	2.4	6
3	Rational design of tapered multiblock copolymers for thermoplastic elastomers. <i>Progress in Polymer Science</i> , 2022, 124, 101488.	24.7	51
4	Pristine and artificially-aged polystyrene microplastic particles differ in regard to cellular response. <i>Journal of Hazardous Materials</i> , 2022, 435, 128955.	12.4	26
5	MyrDOL, a Protected Dihydroxyfunctional Diene Monomer Derived from $\hat{1}^2$ -Myrcene: Functional Polydienes from Renewable Resources via Anionic Polymerization. <i>Macromolecules</i> , 2022, 55, 4046-4055.	4.8	3
6	Repeated Transient Transfection: An Alternative for the Recombinant Production of Difficult-to-Express Proteins Like BMP2. <i>Processes</i> , 2022, 10, 1064.	2.8	3
7	Municipal biowaste treatment plants contribute to the contamination of the environment with residues of biodegradable plastics with putative higher persistence potential. <i>Scientific Reports</i> , 2022, 12, .	3.3	18
8	Anionic Copolymerization of 4-Trimethylsilylstyrene: From Kinetics to Gradient and Block Copolymers. <i>Macromolecules</i> , 2022, 55, 4721-4732.	4.8	4
9	Towards standardized purification of bacterial magnetic nanoparticles for future in vivo applications. <i>Acta Biomaterialia</i> , 2021, 120, 293-303.	8.3	36
10	Flexible feeding in anaerobic digestion - Impact on process stability, performance and microbial community structures. <i>Anaerobe</i> , 2021, 68, 102297.	2.1	7
11	The effect of THF and the chelating modifier DTHFP on the copolymerisation of $\hat{1}^2$ -myrcene and styrene: kinetics, microstructures, morphologies, and mechanical properties. <i>Polymer Chemistry</i> , 2021, 12, 4632-4642.	3.9	15
12	Amphiphilic Graft Copolymers Capable of Mixed-Mode Interaction as Alternative Nonviral Transfection Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 1268-1282.	4.6	5
13	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. <i>Macromolecules</i> , 2021, 54, 5774-5783.	4.8	11
14	Generation of Recombinant Primary Human B Lymphocytes Using Non-Viral Vectors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8239.	4.1	3
15	Noxic effects of polystyrene microparticles on murine macrophages and epithelial cells. <i>Scientific Reports</i> , 2021, 11, 15702.	3.3	33
16	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. <i>Journal of Polymer Science</i> , 2020, 58, 181-192.	3.8	4
17	Transient Destabilization of Biological Membranes Contributes to the Superior Performance of Star-Shaped PDMAEMA in Delivering pDNA. <i>ACS Omega</i> , 2020, 5, 26640-26654.	3.5	3
18	Target grafting of poly(2-(dimethylamino)ethyl methacrylate) to biodegradable block copolymers. <i>Journal of Polymer Science</i> , 2020, 58, 2168-2180.	3.8	10

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19	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. <i>Macromolecules</i> , 2020, 53, 10397-10408.	4.8	44
20	An automated oxystat fermentation regime for microoxic cultivation of <i>Magnetospirillum gryphiswaldense</i> . <i>Microbial Cell Factories</i> , 2020, 19, 206.	4.0	14
21	Perfusion Cultivation of Artificial Liver Extracellular Matrix in Fibrous Polymer Sponges Biomimicking Scaffolds for Tissue Engineering. <i>Biomacromolecules</i> , 2020, 21, 4094-4104.	5.4	6
22	Tetrahydrofuran: More than a "Randomizer" in the Living Anionic Copolymerization of Styrene and Isoprene: Kinetics, Microstructures, Morphologies, and Mechanical Properties. <i>Macromolecules</i> , 2020, 53, 5512-5527.	4.8	29
23	Polarization and power density trends of a soil-based microbial fuel cell treated with human urine. <i>International Journal of Energy Research</i> , 2020, 44, 5968-5976.	4.5	41
24	Bacterial Magnetosomes as Novel Platform for the Presentation of Immunostimulatory, Membrane-Bound Ligands in Cellular Biotechnology. <i>Advanced Biology</i> , 2020, 4, e1900231.	3.0	12
25	Self-Assembly of block copolymers into internally ordered microparticles. <i>Progress in Polymer Science</i> , 2020, 102, 101211.	24.7	161
26	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. <i>Journal of Polymer Science</i> , 2020, 58, 181-192.	3.8	0
27	SEAP activity measurement in reporter cell-based assays using BCIP / NBT as substrate. <i>Analytical Biochemistry</i> , 2019, 585, 113402.	2.4	4
28	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. <i>Polymer Chemistry</i> , 2019, 10, 1213-1220.	3.9	49
29	Effect of the Substituent Position on the Anionic Copolymerization of Styrene Derivatives: Experimental Results and Density Functional Theory Calculations. <i>Macromolecules</i> , 2019, 52, 4545-4554.	4.8	13
30	High-Temperature Spray-Dried Polymer/Bacteria Microparticles for Electrospinning of Composite Nonwovens. <i>Macromolecular Bioscience</i> , 2019, 19, e1800356.	4.1	8
31	Tapered Multiblock Copolymers Based on Isoprene and 4-Methylstyrene: Influence of the Tapered Interface on the Self-Assembly and Thermomechanical Properties. <i>Macromolecules</i> , 2019, 52, 1577-1588.	4.8	41
32	Kinetics of Anionic Living Copolymerization of Isoprene and Styrene Using <i>in Situ</i> NIR Spectroscopy: Temperature Effects on Monomer Sequence and Morphology. <i>Macromolecules</i> , 2019, 52, 9299-9310.	4.8	26
33	Copolymerization of Isoprene with <i>p</i> -Alkylstyrene Monomers: Disparate Reactivity Ratios and the Shape of the Gradient. <i>Macromolecules</i> , 2019, 52, 796-806.	4.8	29
34	Arsenic metabolism in technical biogas plants: possible consequences for resident microbiota and downstream units. <i>AMB Express</i> , 2019, 9, 190.	3.0	2
35	Co-transfection of star-shaped PDMAEMAs enhance transfection efficiency of protamine/pDNA complexes in the presence of serum. <i>European Polymer Journal</i> , 2018, 103, 362-369.	5.4	8
36	Organic fertilizer as a vehicle for the entry of microplastic into the environment. <i>Science Advances</i> , 2018, 4, eaap8060.	10.3	617

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37	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. <i>Macromolecules</i> , 2018, 51, 3527-3537.	4.8	63
38	Ultraporous, Compressible, Wettable Polylactide/Polycaprolactone Sponges for Tissue Engineering. <i>Biomacromolecules</i> , 2018, 19, 1663-1673.	5.4	46
39	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. <i>Macromolecules</i> , 2018, 51, 10246-10258.	4.8	60
40	Non-Viral Transfection of Human T Lymphocytes. <i>Processes</i> , 2018, 6, 188.	2.8	18
41	pH-Responsive Biohybrid Carrier Material for Phenol Decontamination in Wastewater. <i>Biomacromolecules</i> , 2018, 19, 3224-3232.	5.4	1
42	Anionic Copolymerization Enables the Scalable Synthesis of Alternating (AB) <sub>n</sub> Multiblock Copolymers with High Molecular Weight in <i>n</i> /2 Steps. <i>ACS Macro Letters</i> , 2018, 7, 807-810.	4.8	36
43	Scale-up of the ex vivo expansion of encapsulated primary human T lymphocytes. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2632-2642.	3.3	3
44	Preparation of Biocomposite Microfibers Ready for Processing into Biologically Active Textile Fabrics for Bioremediation. <i>Macromolecular Bioscience</i> , 2018, 18, e1800046.	4.1	3
45	Compaction and Transmembrane Delivery of pDNA: Differences between I-PEI and Two Types of Amphiphilic Block Copolymers. <i>Biomacromolecules</i> , 2017, 18, 808-818.	5.4	21
46	Creating a Biomimetic Microenvironment for the Ex Vivo Expansion of Primary Human T Lymphocytes. <i>Macromolecular Bioscience</i> , 2017, 17, 1700091.	4.1	6
47	Electrogenic Single-Species Biocomposites as Anodes for Microbial Fuel Cells. <i>Macromolecular Bioscience</i> , 2017, 17, 1600442.	4.1	15
48	Synergistic effects of Janus particles and triblock terpolymers on toughness of immiscible polymer blends. <i>Polymer</i> , 2017, 109, 229-237.	3.8	37
49	Interfacial Assembly and Jamming Behavior of Polymeric Janus Particles at Liquid Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33327-33332.	8.0	56
50	Systematic Study of a Library of PDMAEMA-Based, Superparamagnetic Nano-Stars for the Transfection of CHO-K1 Cells. <i>Polymers</i> , 2017, 9, 156.	4.5	6
51	Influence of Polyplex Formation on the Performance of Star-Shaped Polycationic Transfection Agents for Mammalian Cells. <i>Polymers</i> , 2016, 8, 224.	4.5	23
52	Process parameters and changes in the microbial community patterns during the first 240 days of an agricultural energy crop digester. <i>AMB Express</i> , 2016, 6, 53.	3.0	6
53	Promoter, transgene, and cell line effects in the transfection of mammalian cells using PDMAEMA-based nano-stars. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 11, 53-61.	4.4	15
54	Anionic Polymerization of Vinylcatechol Derivatives: Reversal of the Monomer Gradient Directed by the Position of the Catechol Moiety in the Copolymerization with Styrene. <i>Macromolecules</i> , 2016, 49, 4792-4801.	4.8	38

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55	Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. <i>Nature Communications</i> , 2016, 7, 12097.	12.8	140
56	Complexes of star-shaped cationic polyelectrolytes with anionic liposomes: Towards multi-liposomal assemblies with controllable stability. <i>Polymer</i> , 2016, 93, 198-203.	3.8	9
57	Periodic nanoscale patterning of polyelectrolytes over square centimeter areas using block copolymer templates. <i>Soft Matter</i> , 2016, 12, 4595-4602.	2.7	14
58	Splitting of Surface-Immobilized Multicompartment Micelles into Clusters upon Charge Inversion. <i>ACS Nano</i> , 2016, 10, 5180-5188.	14.6	12
59	Interfacial stabilization by soft Janus nanoparticles. <i>Polymer</i> , 2016, 106, 208-217.	3.8	24
60	Controlling Multicompartment Morphologies Using Solvent Conditions and Chemical Modification. <i>ACS Macro Letters</i> , 2016, 5, 1044-1048.	4.8	32
61	Living Polymer Chains with Predictable Molecular Weight and Dispersity via Carbanionic Polymerization in Continuous Flow: Mixing Rate as a Key Parameter. <i>Macromolecules</i> , 2016, 49, 5043-5050.	4.8	51
62	Hollow Polymeric Capsules from POSS-Based Block Copolymer for Photodynamic Therapy. <i>Macromolecules</i> , 2016, 49, 8440-8448.	4.8	42
63	Polymer Foams Made of Immiscible Polymer Blends Compatibilized by Janus Particles—Effect of Compatibilization on Foam Morphology. <i>Advanced Engineering Materials</i> , 2016, 18, 814-825.	3.5	33
64	Prolonged Ex vivo expansion and differentiation of na <sup>+</sup> ve murine CD43 <sup>+</sup> B splenocytes. <i>Biotechnology Progress</i> , 2016, 32, 978-989.	2.6	4
65	Polymer brushes. <i>Polymer</i> , 2016, 98, 387-388.	3.8	2
66	Cylindrical polymer brushes — Anisotropic building blocks, unimolecular templates and particulate nanocarriers. <i>Polymer</i> , 2016, 98, 389-401.	3.8	130
67	Micromechanics of “raspberry” morphology in PPE/SAN polymer blends compatibilized with linear ABC triblock terpolymers. <i>Polymer</i> , 2015, 80, 52-63.	3.8	17
68	Self-assembly concepts for multicompartment nanostructures. <i>Nanoscale</i> , 2015, 7, 11841-11876.	5.6	279
69	Using Janus Nanoparticles To Trap Polymer Blend Morphologies during Solvent-Evaporation-Induced Demixing. <i>Macromolecules</i> , 2015, 48, 4220-4227.	4.8	81
70	Efficient size control of copper nanoparticles generated in irradiated aqueous solutions of star-shaped polyelectrolyte containers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11490-11498.	2.8	19
71	Ultralight, Soft Polymer Sponges by Self-Assembly of Short Electrospun Fibers in Colloidal Dispersions. <i>Advanced Functional Materials</i> , 2015, 25, 2850-2856.	14.9	164
72	Bulk morphologies of polystyrene-block-polybutadiene-block-poly(tert-butyl methacrylate) triblock terpolymers. <i>Polymer</i> , 2015, 72, 479-489.	3.8	41

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73	Core-Shell Cylindrical Polymer Brushes with New Properties: A Mini-Review. ACS Symposium Series, 2015, , 127-133.	0.5	1
74	LCST and UCST in One: Double Thermoresponsive Behavior of Block Copolymers of Poly(ethylene Terephthalate)/Overlock 10 Tf 50	3.5	74
75	Enzymatically Degradable Polyester-Based Adhesives. ACS Biomaterials Science and Engineering, 2015, 1, 971-977.	5.2	28
76	Nanoscale hybrid silica/polymer Janus particles with a double-responsive hemicorona. Polymer, 2015, 79, 299-308.	3.8	22
77	Glycopolymers Functionalization of Engineered Spider Silk Protein-Based Materials for Improved Cell Adhesion. Macromolecular Bioscience, 2014, 14, 936-942.	4.1	32
78	Revival of the RAFT Approach: A Controlled Grafting from Approach for Well-Defined Cylindrical Polymer Brushes via RAFT Polymerization. Macromolecular Rapid Communications, 2014, 35, 234-241.	3.9	46
79	Multiresponsive Microcapsules Based on Multilayer Assembly of Star Polyelectrolytes. Macromolecules, 2014, 47, 7858-7868.	4.8	44
80	Rod-Like Nano-Light Harvester. Macromolecular Rapid Communications, 2014, 35, 52-55.	3.9	10
81	Electrostatically Driven Complexation of Liposomes with a Star-shaped Polyelectrolyte to Low-toxicity Multiliposomal Assemblies. Macromolecular Bioscience, 2014, 14, 491-495.	4.1	23
82	Towards completely miscible PMMA nanocomposites reinforced by shear-stiff, nano-mica. Journal of Colloid and Interface Science, 2014, 425, 143-151.	9.4	16
83	Stimuli-Responsive Spherical Brushes Based on D-Galactopyranose and 2-(Dimethylamino)ethyl Methacrylate. Macromolecular Bioscience, 2014, 14, 81-91.	4.1	20
84	Multicompartment Micelles with Adjustable Poly(ethylene glycol) Shell for Efficient <i>in Vivo</i> Photodynamic Therapy. ACS Nano, 2014, 8, 1161-1172.	14.6	78
85	Loading of polymer nanocarriers: Factors, mechanisms and applications. Progress in Polymer Science, 2014, 39, 43-86.	24.7	152
86	Control of Morphology and Corona Composition in Aggregates of Mixtures of PS- <i>b</i> -PAA and PS- <i>b</i> -P4VP Diblock Copolymers: Effects of Solvent, Water Content, and Mixture Composition. Langmuir, 2014, 30, 13152-13163.	3.5	27
87	Oligomeric dual functional antibacterial polycaprolactone. Polymer Chemistry, 2014, 5, 2453.	3.9	30
88	Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. Macromolecules, 2014, 47, 6289-6301.	4.8	18
89	Elastic and Viscoelastic Properties of Cross-Linked Gold Nanoparticles Probed by AFM Bulge Tests. Journal of Physical Chemistry C, 2014, 118, 4386-4395.	3.1	31
90	Living Anionic Polymerization in Continuous Flow: Facilitated Synthesis of High-Molecular Weight Poly(2-vinylpyridine) and Polystyrene. Organic Process Research and Development, 2014, 18, 1408-1412.	2.7	23

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91	The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. <i>ACS Nano</i> , 2014, 8, 10048-10056.	14.6	125
92	Co-Assembly of A-B Diblock Copolymers with B <sup>2</sup> -type Nanoparticles in Thin Films: Effect of Copolymer Composition and Nanoparticle Shape. <i>Macromolecules</i> , 2014, 47, 3022-3032.	4.8	38
93	Self-Assembly of Amphiphilic Triblock Terpolymers Mediated by Multifunctional Organic Acids: Vesicles, Toroids, and (Undulated) Ribbons. <i>Macromolecules</i> , 2014, 47, 1672-1683.	4.8	28
94	Hidden Structural Features of Multicompartment Micelles Revealed by Cryogenic Transmission Electron Tomography. <i>ACS Nano</i> , 2014, 8, 11330-11340.	14.6	56
95	Thermo-Induced Limited Aggregation of Responsive Star Polyelectrolytes. <i>Macromolecules</i> , 2014, 47, 2112-2121.	4.8	46
96	Control of Corona Composition and Morphology in Aggregates of Mixtures of PS- <i>b</i> -PAA and PS- <i>b</i> -P4VP Diblock Copolymers: Effects of pH and Block Length. <i>Langmuir</i> , 2014, 30, 5031-5040.	3.5	33
97	Chromatographic Techniques in the Downstream Processing of Proteins in Biotechnology. <i>Methods in Molecular Biology</i> , 2014, 1104, 419-458.	0.9	12
98	Star-shaped poly[2-(dimethylamino)ethyl methacrylate] and its derivatives: toward new properties and applications. <i>Polimery</i> , 2014, 59, 66-73.	0.7	23
99	Hierarchical self-assembly of miktoarm star polymers containing a polycationic segment: A general concept. <i>Polymer</i> , 2013, 54, 4528-4537.	3.8	20
100	PDMAEMA-Grafted Core-Shell Corona Particles for Nonviral Gene Delivery and Magnetic Cell Separation. <i>Biomacromolecules</i> , 2013, 14, 3081-3090.	5.4	79
101	Hierarchical Structuring in Block Copolymer Nanocomposites through Two Phase-Separation Processes Operating on Different Time Scales. <i>Advanced Functional Materials</i> , 2013, 23, 4215-4226.	14.9	29
102	Structural analysis of colloidal MnO <sub>x</sub> composites. <i>Colloid and Polymer Science</i> , 2013, 291, 469-481.	2.1	5
103	Fine-Tuning the Structure of Stimuli-Responsive Polymer Films by Hydrostatic Pressure and Temperature. <i>Macromolecules</i> , 2013, 46, 6541-6547.	4.8	43
104	Interpolyelectrolyte complexes with a polysaccharide corona from dextran-block-PDMAEMA diblock copolymers. <i>Polymer Chemistry</i> , 2013, 4, 2278.	3.9	17
105	Guided hierarchical co-assembly of soft patchy nanoparticles. <i>Nature</i> , 2013, 503, 247-251.	27.8	573
106	Advanced Functional Structures Based on Interpolyelectrolyte Complexes. <i>Advances in Polymer Science</i> , 2013, , 173-225.	0.8	40
107	Hybrid Janus particles based on polymer-modified kaolinite. <i>Polymer</i> , 2013, 54, 1388-1396.	3.8	43
108	Poly(ethylene oxide)-block-poly(n-butyl acrylate)-block-poly(acrylic acid) triblock terpolymers with highly asymmetric hydrophilic blocks: synthesis and aqueous solution properties. <i>Soft Matter</i> , 2013, 9, 8745.	2.7	5

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109	Magnetoceramic nanocrystals from the bulk pyrolysis of novel hyperbranched polyferrocenyl(boro)carbosilanes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1507.	5.5	35
110	Nondestructive Light-Initiated Tuning of Layer-by-Layer Microcapsule Permeability. <i>ACS Nano</i> , 2013, 7, 598-613.	14.6	65
111	Influence of Janus Particle Shape on Their Interfacial Behavior at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2013, 29, 1388-1394.	3.5	147
112	Water-soluble macromolecular co-assemblies of star-shaped polyelectrolytes. <i>Polymer International</i> , 2013, 62, 13-21.	3.1	16
113	Co-assemblies of micelle-forming diblock copolymers and enzymes on graphite substrate for an improved design of biosensor systems. <i>Soft Matter</i> , 2013, 9, 2858.	2.7	29
114	Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. <i>ACS Nano</i> , 2013, 7, 4030-4041.	14.6	82
115	Janus Micelles as Effective Supracolloidal Dispersants for Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3602-3606.	13.8	57
116	Janus Particles: Synthesis, Self-Assembly, Physical Properties, and Applications. <i>Chemical Reviews</i> , 2013, 113, 5194-5261.	47.7	1,512
117	Architecture, self-assembly and properties of well-defined hybrid polymers based on polyhedral oligomeric silsesquioxane (POSS). <i>Progress in Polymer Science</i> , 2013, 38, 1121-1162.	24.7	352
118	Crystal structure and chemical composition of biomimetic calcium phosphate nanofibers. <i>RSC Advances</i> , 2013, 3, 11301.	3.6	18
119	Magnetic Core-Shell Nanoparticles as Carriers for Olefin Dimerization Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2146-2153.	2.0	10
120	Reversible swelling transitions in stimuli-responsive layer-by-layer films containing block copolymer micelles. <i>Chemical Science</i> , 2013, 4, 325-334.	7.4	43
121	Interpolyelectrolyte complexes based on hyaluronic acid-block-poly(ethylene glycol) and poly-L-lysine. <i>Soft Matter</i> , 2013, 9, 4297.	2.7	24
122	Rare-Earth Metal Cations Incorporated Silica Hybrid Nanoparticles Templated by Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2013, 25, 4585-4594.	6.7	48
123	Surface Interactions Surpass Carbon-Carbon Bond: Understanding and Control of the Scission Behavior of Core-Shell Polymer Brushes on Surfaces. <i>ACS Nano</i> , 2013, 7, 2284-2291.	14.6	23
124	Micellar Interpolyelectrolyte Complexes with a Compartmentalized Shell. <i>Macromolecules</i> , 2013, 46, 6466-6474.	4.8	21
125	Amphiphilic Diblock Copolymer and Polycaprolactone Blends to Produce New Vesicular Nanocarriers. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 272-279.	1.1	7
126	Packing of Cylindrical Keggin-Type Polyoxometalate Hybrid Micelles as a Function of Aspect Ratio. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 815-826.	2.8	4



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127	Double Responsive Hydrogels based on Tertiary Amine Methacrylate Star Block Copolymers. Zeitschrift Fur Physikalische Chemie, 2012, 226, 695-709.	2.8	2
128	Dual-Responsive Magnetic Core-Shell Nanoparticles for Nonviral Gene Delivery and Cell Separation. Biomacromolecules, 2012, 13, 857-866.	5.4	114
129	Facile, Solution-Based Synthesis of Soft, Nanoscale Janus Particles with Tunable Janus Balance. Journal of the American Chemical Society, 2012, 134, 13850-13860.	13.7	247
130	Micellar interpolyelectrolyte complexes. Chemical Society Reviews, 2012, 41, 6888.	38.1	221
131	Synthesis of polysaccharide-b-PEG block copolymers by oxime click. Chemical Communications, 2012, 48, 3781.	4.1	58
132	Biological-like vesicular structures self-assembled from DNA-block copolymers. Chemical Communications, 2012, 48, 2615.	4.1	26
133	Tetragonally Perforated Lamellae of Polybutadiene- <i>block</i> -poly(2-vinylpyridine)- <i>block</i> -poly( <i>tert</i> -butyl methacrylate) (BVT) Triblock Terpolymers in the Bulk: Preparation, Cross-Linking, and Dissolution. Macromolecules, 2012, 45, 7956-7963.	4.8	18
134	A Modular Route for the Synthesis of ABC Miktoarm Star Terpolymers via a New Alkyne-Substituted Diphenylethylene Derivative. Macromolecules, 2012, 45, 8300-8309.	4.8	45
135	Smart hydrogels based on responsive star-block copolymers. Soft Matter, 2012, 8, 9436.	2.7	31
136	Stimuli-responsive micellar interpolyelectrolyte complexes - control of micelle dynamics via core crosslinking. Soft Matter, 2012, 8, 10167.	2.7	15
137	Dispersion of multi-walled carbon nanotubes with pyrene-functionalized polymeric micelles in aqueous media. Polymer, 2012, 53, 5502-5506.	3.8	36
138	Template-Directed Synthesis of Silica Nanowires and Nanotubes from Cylindrical Core-Shell Polymer Brushes. Chemistry of Materials, 2012, 24, 1802-1810.	6.7	105
139	Soft, Nanoscale Janus Particles by Macromolecular Engineering and Molecular Self-assembly. RSC Smart Materials, 2012, , 1-28.	0.1	2
140	Nanoparticulate Nonviral Agent for the Effective Delivery of pDNA and siRNA to Differentiated Cells and Primary Human T Lymphocytes. Biomacromolecules, 2012, 13, 3463-3474.	5.4	70
141	Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Core-Shell-Corona Polymer Brushes. Macromolecules, 2012, 45, 6981-6988.	4.8	74
142	Precise hierarchical self-assembly of multicompartiment micelles. Nature Communications, 2012, 3, 710.	12.8	504
143	Tailored star-shaped statistical teroligomers via ATRP for lithographic applications. Journal of Materials Chemistry, 2012, 22, 73-79.	6.7	12
144	Preface - An energetic life between soft matter and hard X-rays. Zeitschrift Fur Physikalische Chemie, 2012, 226, 543-545.	2.8	0

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145	A Facile Polymer Templating Route Toward High Aspect Ratio Crystalline Titania Nanostructures. <i>Small</i> , 2012, 8, 2636-2640.	10.0	33
146	Surface Modification of Spherical Particles with Bioactive Glycopolymers. <i>ACS Symposium Series</i> , 2012, , 257-270.	0.5	1
147	Direct Synthesis of Inverse Hexagonally Ordered Diblock Copolymer/Polyoxometalate Nanocomposite Films. <i>Journal of the American Chemical Society</i> , 2012, 134, 12685-12692.	13.7	54
148	Superparamagnetic and fluorescent thermo-responsive core-shell corona hybrid nanogels with a protective silica shell. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 45-53.	9.4	47
149	Cavitation Engineered 3D Sponge Networks and Their Application in Active Surface Construction. <i>Advanced Materials</i> , 2012, 24, 985-989.	21.0	76
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