

Axel H E Mller

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11898004/axel-h-e-muller-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309
papers

22,461
citations

80
h-index

138
g-index

311
ext. papers

23,575
ext. citations

6.9
avg, IF

7.08
L-index

#	Paper	IF	Citations
309	Janus particles: synthesis, self-assembly, physical properties, and applications. <i>Chemical Reviews</i> , 2013 , 113, 5194-261	68.1	1304
308	Janus particles. <i>Soft Matter</i> , 2008 , 4, 663-668	3.6	722
307	Cylindrical polymer brushes. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 3461-3481	2.5	542
306	A New Double-Responsive Block Copolymer Synthesized via RAFT Polymerization: Poly(N-isopropylacrylamide)-block-poly(acrylic acid). <i>Macromolecules</i> , 2004 , 37, 7861-7866	5.5	505
305	Guided hierarchical co-assembly of soft patchy nanoparticles. <i>Nature</i> , 2013 , 503, 247-51	50.4	490
304	Precise hierarchical self-assembly of multicompartment micelles. <i>Nature Communications</i> , 2012 , 3, 710	17.4	458
303	Amphiphilic Cylindrical CoreShell Brushes via a Grafting From Process Using ATRP. <i>Macromolecules</i> , 2001 , 34, 6883-6888	5.5	409
302	Janus Micelles. <i>Macromolecules</i> , 2001 , 34, 1069-1075	5.5	366
301	Amphiphilic Janus micelles with polystyrene and poly(methacrylic acid) hemispheres. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3260-7	16.4	327
300	Benzyl and Cumyl Dithiocarbamates as Chain Transfer Agents in the RAFT Polymerization of N-Isopropylacrylamide. In Situ FT-NIR and MALDI-TOF MS Investigation. <i>Macromolecules</i> , 2002 , 35, 6819-6827	5.5	320
299	Tuning the Thermoresponsive Properties of Weak Polyelectrolytes: Aqueous Solutions of Star-Shaped and Linear Poly(N,N-dimethylaminoethyl Methacrylate). <i>Macromolecules</i> , 2007 , 40, 8361-8366	5.5	318
298	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 2. Degree of Branching. <i>Macromolecules</i> , 1997 , 30, 7024-7033	5.5	278
297	Janus discs. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6187-98	16.4	277
296	Emulsion polymerization using Janus particles as stabilizers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 711-4	16.4	260
295	Engineering nanostructured polymer blends with controlled nanoparticle location using Janus particles. <i>ACS Nano</i> , 2008 , 2, 1167-78	16.7	258
294	Self-assembly concepts for multicompartment nanostructures. <i>Nanoscale</i> , 2015 , 7, 11841-76	7.7	244
293	Main Chain Conformation and Anomalous Elution Behavior of Cylindrical Brushes As Revealed by GPC/MALLS, Light Scattering, and SFG. <i>Macromolecules</i> , 1999 , 32, 2629-2637	5.5	236

292	Facile, solution-based synthesis of soft, nanoscale Janus particles with tunable Janus balance. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13850-60	16.4	225
291	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 1. Molecular Weight Distribution. <i>Macromolecules</i> , 1997 , 30, 7015-7023	5.5	224
290	Tuning the thermoresponsiveness of weak polyelectrolytes by pH and light: lower and upper critical-solution temperature of poly(N,N-dimethylaminoethyl methacrylate). <i>Journal of the American Chemical Society</i> , 2007 , 129, 14538-9	16.4	224
289	Template-Controlled Synthesis of Wire-Like Cadmium Sulfide Nanoparticle Assemblies within Core/Shell Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2004 , 16, 537-543	9.6	219
288	Water-soluble organo-silica hybrid nanowires. <i>Nature Materials</i> , 2008 , 7, 718-22	27	209
287	Micellar interpolyelectrolyte complexes. <i>Chemical Society Reviews</i> , 2012 , 41, 6888-901	58.5	194
286	Copolymerization of n-Butyl Acrylate with Methyl Methacrylate and PMMA Macromonomers: Comparison of Reactivity Ratios in Conventional and Atom Transfer Radical Copolymerization. <i>Macromolecules</i> , 1999 , 32, 8331-8335	5.5	191
285	Effect of Core-Forming Molecules on Molecular Weight Distribution and Degree of Branching in the Synthesis of Hyperbranched Polymers. <i>Macromolecules</i> , 1998 , 31, 239-248	5.5	189
284	Surface Modification of Poly(divinylbenzene) Microspheres via Thiol/Alkyne/Azide Click Reactions. <i>Macromolecules</i> , 2009 , 42, 3707-3714	5.5	182
283	Janus Cylinders. <i>Macromolecules</i> , 2003 , 36, 7894-7898	5.5	176
282	Preparation of Hyperbranched Polyacrylates by Atom Transfer Radical Polymerization. 2. Kinetics and Mechanism of Chain Growth for the Self-Condensing Vinyl Polymerization of 2-((2-Bromopropionyl)oxy)ethyl Acrylate. <i>Macromolecules</i> , 1997 , 30, 7034-7041	5.5	175
281	One-dimensional magnetic inorganic-organic hybrid nanomaterials. <i>Chemical Society Reviews</i> , 2011 , 40, 640-55	58.5	173
280	Synthesis, Characterization and Behavior in Aqueous Solution of Star-Shaped Poly(acrylic acid). <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1813-1825	2.6	173
279	Polyelectrolyte Block Copolymer Micelles. <i>Advances in Polymer Science</i> , 173-210	1.3	171
278	Hybrid Nanoparticles with Hyperbranched Polymer Shells via Self-Condensing Atom Transfer Radical Polymerization from Silica Surfaces. <i>Langmuir</i> , 2002 , 18, 3682-3693	4	161
277	Synthesis via RAFT Polymerization of Tadpole-Shaped Organic/Inorganic Hybrid Poly(acrylic acid) Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-assembly in Water. <i>Macromolecules</i> , 2009 , 42, 2563-2569	5.5	160
276	Self-assembly of Janus cylinders into hierarchical superstructures. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4720-8	16.4	160
275	Thermo- and pH-Responsive Micelles of Poly(acrylic acid)-block-Poly(N,N-diethylacrylamide). <i>Macromolecular Rapid Communications</i> , 2005 , 26, 558-563	4.8	158

274	Synthesis of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers by ATRP and Their Micellization in Water. <i>Macromolecules</i> , 2007 , 40, 4338-4350	5.5	153
273	Self-Supporting, Double Stimuli-Responsive Porous Membranes From Polystyrene-block-poly(N,N-dimethylaminoethyl methacrylate) Diblock Copolymers. <i>Advanced Functional Materials</i> , 2009 , 19, 1040-1045	15.6	148
272	Influence of polymer architecture and molecular weight of poly(2-(dimethylamino)ethyl methacrylate) polycations on transfection efficiency and cell viability in gene delivery. <i>Biomacromolecules</i> , 2011 , 12, 4247-55	6.9	146
271	Self-assembly of poly(ionic liquid)s: polymerization, mesostructure formation, and directional alignment in one step. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17556-9	16.4	139
270	Linear and Hyperbranched Glycopolymer-Functionalized Carbon Nanotubes: Synthesis, Kinetics, and Characterization. <i>Macromolecules</i> , 2007 , 40, 1803-1815	5.5	132
269	Controlling the aggregation of conjugates of streptavidin with smart block copolymers prepared via the RAFT copolymerization technique. <i>Biomacromolecules</i> , 2006 , 7, 2736-41	6.9	127
268	Water-soluble organo-silica hybrid nanotubes templated by cylindrical polymer brushes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16587-92	16.4	126
267	Large Scale Domain Alignment of a Block Copolymer from Solution Using Electric Fields. <i>Macromolecules</i> , 2002 , 35, 1319-1325	5.5	126
266	Influence of Janus particle shape on their interfacial behavior at liquid-liquid interfaces. <i>Langmuir</i> , 2013 , 29, 1388-94	4	125
265	Synthesis and Characterization of Branched Polyelectrolytes. 1. Preparation of Hyperbranched Poly(acrylic acid) via Self-Condensing Atom Transfer Radical Copolymerization. <i>Macromolecules</i> , 2002 , 35, 9270-9281	5.5	123
264	Hyperbranched methacrylates by self-condensing group transfer polymerization. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 865-873	4.8	122
263	A Click Chemistry Approach to Linear and Star-Shaped Telechelic POSS-Containing Hybrid Polymers. <i>Macromolecules</i> , 2010 , 43, 3148-3152	5.5	116
262	Synthesis of Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization of a Sugar-Carrying Acrylate. <i>Macromolecules</i> , 2005 , 38, 9-18	5.5	116
261	Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. <i>Nature Communications</i> , 2016 , 7, 12097	17.4	116
260	Synthesis and Characterization of Star-Shaped Poly(N,N-dimethylaminoethyl methacrylate) and Its Quaternized Ammonium Salts. <i>Macromolecules</i> , 2007 , 40, 5689-5697	5.5	115
259	Surface-Grafted Hyperbranched Polymers via Self-Condensing Atom Transfer Radical Polymerization from Silicon Surfaces. <i>Macromolecules</i> , 2001 , 34, 6871-6882	5.5	115
258	Characterization of Micelles of Polyisobutylene-block-poly(methacrylic acid) in Aqueous Medium. <i>Macromolecules</i> , 2000 , 33, 1734-1740	5.5	112
257	Undulated multicompartiment cylinders by the controlled and directed stacking of polymer micelles with a compartmentalized corona. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2877-80	16.4	111

256	Structure of Micelles of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers in Aqueous Solution. <i>Macromolecules</i> , 2007 , 40, 4351-4362	5.5	110
255	Janus cylinders at liquid-liquid interfaces. <i>Langmuir</i> , 2011 , 27, 9807-14	4	109
254	The impact of Janus nanoparticles on the compatibilization of immiscible polymer blends under technologically relevant conditions. <i>ACS Nano</i> , 2014 , 8, 10048-56	16.7	108
253	Synthesis and Characterization of Methacrylate-Type Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization. <i>Macromolecules</i> , 2005 , 38, 3108-3119	5.5	104
252	Characterization of Highly Branched Poly(methyl methacrylate) by Solution Viscosity and Viscoelastic Spectroscopy. <i>Macromolecules</i> , 2001 , 34, 1677-1684	5.5	104
251	Dual-responsive magnetic core-shell nanoparticles for nonviral gene delivery and cell separation. <i>Biomacromolecules</i> , 2012 , 13, 857-66	6.9	100
250	Reversible meso-scale smart polymer--protein particles of controlled sizes. <i>Bioconjugate Chemistry</i> , 2004 , 15, 747-53	6.3	98
249	Multicompartment Core Micelles of Triblock Terpolymers in Organic Media. <i>Macromolecules</i> , 2009 , 42, 3540-3548	5.5	97
248	Template-Directed Synthesis of Silica Nanowires and Nanotubes from Cylindrical CoreShell Polymer Brushes. <i>Chemistry of Materials</i> , 2012 , 24, 1802-1810	9.6	96
247	Interpolyelectrolyte complexes of dynamic multicompartment micelles. <i>ACS Nano</i> , 2009 , 3, 2095-102	16.7	95
246	General Kinetic Analysis and Comparison of Molecular Weight Distributions for Various Mechanisms of Activity Exchange in Living Polymerizations. <i>Macromolecules</i> , 1997 , 30, 1253-1266	5.5	94
245	Characterization of Block Copolymers by Liquid Adsorption Chromatography at Critical Conditions. 1. Diblock Copolymers. <i>Macromolecules</i> , 2000 , 33, 3687-3693	5.5	94
244	New Strategy for the Synthesis of Halogen-Free Acrylate Macromonomers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001 , 34, 5394-5397	5.5	94
243	Intelligent colloidal hybrids via reversible pH-induced complexation of polyelectrolyte and silica nanoparticles. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3712-3	16.4	93
242	RAFT Polymerization of N-Isopropylacrylamide and Acrylic Acid under γ -irradiation in Aqueous Media. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 821-828	4.8	91
241	Silsesquioxane-Based Nanoparticles Formed via Hydrolytic Condensation of Organotriethoxysilane Containing Hydroxy Groups. <i>Macromolecules</i> , 2004 , 37, 5228-5238	5.5	91
240	Multiple Morphologies, Phase Transitions, and Cross-Linking of Crew-Cut Aggregates of Polybutadiene-block-poly(2-vinylpyridine) Diblock Copolymers. <i>Macromolecules</i> , 2008 , 41, 3254-3260	5.5	90
239	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization. 1. Equal Rate Constants. <i>Macromolecules</i> , 1999 , 32, 2410-2419	5.5	87

238	Nanoblossoms: light-induced conformational changes of cationic polyelectrolyte stars in the presence of multivalent counterions. <i>Nano Letters</i> , 2007 , 7, 167-71	11.5	86
237	Synthesis of Highly Branched Cationic Polyelectrolytes via Self-Condensing Atom Transfer Radical Copolymerization with 2-(Diethylamino)ethyl Methacrylate. <i>Macromolecules</i> , 2004 , 37, 2054-2066	5.5	85
236	New routes to the synthesis of amylose-block-polystyrene rod-coil block copolymers. <i>Biomacromolecules</i> , 2002 , 3, 368-73	6.9	85
235	Micellar Aggregates of Amylose-block-polystyrene Rod-coil Block Copolymers in Water and THF. <i>Macromolecules</i> , 2005 , 38, 873-879	5.5	84
234	Molecular Weight Distribution of Hyperbranched Polymers Generated by Self-Condensing Vinyl Polymerization in Presence of a Multifunctional Initiator. <i>Macromolecules</i> , 1999 , 32, 245-250	5.5	83
233	Janus Micelles at the Air/Water Interface. <i>Langmuir</i> , 2001 , 17, 6787-6793	4	82
232	Synthesis of Linear and Star-Shaped Block Copolymers of Isobutylene and Methacrylates by Combination of Living Cationic and Anionic Polymerizations. <i>Macromolecules</i> , 1998 , 31, 578-585	5.5	82
231	Double stimuli-responsive ultrafiltration membranes from polystyrene-block-poly(N,N-dimethylaminoethyl methacrylate) diblock copolymers. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1492-503	9.5	81
230	Molecular Sugar Sticks: Cylindrical Glycopolymer Brushes. <i>Macromolecules</i> , 2005 , 38, 7926-7934	5.5	80
229	pH-controlled exponential and linear growing modes of layer-by-layer assemblies of star polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9592-606	16.4	78
228	Novel Water-Soluble Micellar Interpolyelectrolyte Complexes. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8093-8096	3.4	78
227	Counterion-mediated hierarchical self-assembly of an ABC miktoarm star terpolymer. <i>ACS Nano</i> , 2013 , 7, 4030-41	16.7	76
226	Mixed, multicompartment, or Janus micelles? A systematic study of thermoresponsive bis-hydrophilic block terpolymers. <i>Langmuir</i> , 2010 , 26, 12237-46	4	76
225	Dual stimuli-responsive multicompartment micelles from triblock terpolymers with tunable hydrophilicity. <i>Soft Matter</i> , 2011 , 7, 8880	3.6	74
224	Synthesis and Characterization of Surface-Grafted Hyperbranched Glycomethacrylates. <i>Macromolecules</i> , 2006 , 39, 2743-2750	5.5	74
223	Synthesis of Hyperbranched and Highly Branched Methacrylates by Self-Condensing Group Transfer Copolymerization. <i>Macromolecules</i> , 2001 , 34, 6206-6213	5.5	74
222	PDMAEMA-grafted core-shell-corona particles for nonviral gene delivery and magnetic cell separation. <i>Biomacromolecules</i> , 2013 , 14, 3081-90	6.9	73
221	Magnetic and fluorescent glycopolymer hybrid nanoparticles for intranuclear optical imaging. <i>Biomacromolecules</i> , 2011 , 12, 3805-11	6.9	72

220	Cavitation engineered 3D sponge networks and their application in active surface construction. <i>Advanced Materials</i> , 2012 , 24, 985-9	24	71
219	Synthesis and Characterization of Glycomethacrylate Hybrid Stars from Silsesquioxane Nanoparticles. <i>Macromolecules</i> , 2005 , 38, 10631-10642	5.5	71
218	Multicompartment micelles with adjustable poly(ethylene glycol) shell for efficient in vivo photodynamic therapy. <i>ACS Nano</i> , 2014 , 8, 1161-72	16.7	70
217	Dynamic multicompartment-core micelles in aqueous media. <i>Langmuir</i> , 2009 , 25, 10962-9	4	70
216	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. <i>Advances in Polymer Science</i> , 2011 , 57-129	1.3	68
215	Hybrid Capsules via Self-Assembly of Thermoresponsive and Interfacially Active Bionanoparticle-Polymer Conjugates. <i>Advanced Functional Materials</i> , 2011 , 21, 2470-2476	15.6	67
214	Structures of amphiphilic Janus discs in aqueous media. <i>Soft Matter</i> , 2009 , 5, 385-390	3.6	66
213	Water-soluble interpolyelectrolyte complexes of polyisobutylene-block-poly(methacrylic acid) micelles: formation and properties. <i>Langmuir</i> , 2008 , 24, 1769-77	4	65
212	The role of association/complexation equilibria in the anionic polymerization of (meth)acrylates. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 60, 315-326		65
211	Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Core-Shell Corona Polymer Brushes. <i>Macromolecules</i> , 2012 , 45, 6981-6988	5.5	64
210	Manipulating cylindrical polyelectrolyte brushes on the nanoscale by counterions: collapse transition to helical structures. <i>Soft Matter</i> , 2009 , 5, 379-384	3.6	64
209	Polyisobutylene-block-poly(methacrylic acid) diblock copolymers: self-assembly in aqueous media. <i>Langmuir</i> , 2007 , 23, 12864-74	4	64
208	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization, 2. Non-Equal Rate Constants. <i>Macromolecules</i> , 2001 , 34, 2418-2426	5.5	64
207	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 2626-2634	9.6	62
206	Grafting thermoresponsive polymers onto honeycomb structured porous films using the RAFT process. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4718		62
205	Using Janus Nanoparticles To Trap Polymer Blend Morphologies during Solvent-Evaporation-Induced Demixing. <i>Macromolecules</i> , 2015 , 48, 4220-4227	5.5	61
204	Nondestructive light-initiated tuning of layer-by-layer microcapsule permeability. <i>ACS Nano</i> , 2013 , 7, 598-613	16.7	61
203	Amphiphilic Diblock Copolymers with a Moderately Hydrophobic Block: Toward Dynamic Micelles. <i>Macromolecules</i> , 2010 , 43, 2667-2671	5.5	61

202	Hybrids of Magnetic Nanoparticles with Double-Hydrophilic Core/Shell Cylindrical Polymer Brushes and Their Alignment in a Magnetic Field. <i>Advanced Functional Materials</i> , 2010 , 20, 4182-4189	15.6	61
201	Nanoparticulate nonviral agent for the effective delivery of pDNA and siRNA to differentiated cells and primary human T lymphocytes. <i>Biomacromolecules</i> , 2012 , 13, 3463-74	6.9	59
200	Synthesis and Characterization of Comb-Shaped Polymers by SEC with On-Line Light Scattering and Viscometry Detection. <i>Macromolecules</i> , 2005 , 38, 3949-3960	5.5	58
199	RAFT Polymers: Novel Precursors for Polymer-Protein Conjugates. <i>ACS Symposium Series</i> , 2003 , 603-618	0.4	58
198	Nanosopic Surface Patterns from Functional ABC Triblock Copolymers. <i>Macromolecules</i> , 2001 , 34, 7477-7488	5.488	58
197	Blends of Poly(methacrylate) Block Copolymers with Photoaddressable Segments. <i>Macromolecules</i> , 2007 , 40, 2100-2108	5.5	57
196	Synthesis of hyperbranched poly(tert-butyl acrylate) by self-condensing atom transfer radical polymerization of a macroinimer. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 846-852	4.8	57
195	Synthesis of polysaccharide-b-PEG block copolymers by oxime click. <i>Chemical Communications</i> , 2012 , 48, 3781-3	5.8	56
194	Switching the morphologies of cylindrical polycation brushes by ionic and supramolecular inclusion complexes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1640-1	16.4	56
193	Self-assembly of asymmetric poly(ethylene oxide)-block-poly(n-butyl acrylate) diblock copolymers in aqueous media to unexpected morphologies. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4218-25	3.4	56
192	Biomimetic mussel adhesive inspired clickable anchors applied to the functionalization of Fe(3) O(4) nanoparticles. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1608-15	4.8	56
191	Core-crosslinked block copolymer nanorods as templates for grafting [SiMo(12)O(40)](4-) Keggin ions. <i>Chemical Communications</i> , 2008 , 489-91	5.8	56
190	Fluorescence Correlation Spectroscopy of Single Dye-Labeled Polymers in Organic Solvents. <i>Macromolecules</i> , 2004 , 37, 1917-1920	5.5	56
189	Synthesis of Amphiphilic Graft Copolymers of n-Butyl Acrylate and Acrylic Acid by Atom Transfer Radical Copolymerization of Macromonomers. <i>Macromolecules</i> , 2004 , 37, 7484-7490	5.5	54
188	Polyisobutylene Stars and Polyisobutylene-block-Poly(tert-Butyl Methacrylate) Block Copolymers by Site Transformation of Thiophene End-Capped Polyisobutylene Chain Ends. <i>Macromolecules</i> , 2003 , 36, 6985-6994	5.5	53
187	Hyperbranched (Meth)acrylates in Solution, Melt, and Grafted From Surfaces. <i>Topics in Current Chemistry</i> , 2003 , 228, 1-37		53
186	Formation of hydrophobic bridges between multicompart ment micelles of miktoarm star terpolymers in water. <i>Chemical Communications</i> , 2009 , 1127-9	5.8	52
185	Janus micelles as effective supracolloidal dispersants for carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3602-6	16.4	50

184	Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2009 , 21, 4146-4154	9.6	50
183	Thermoresponsive Glycopolymers via Controlled Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1035-1049	2.6	50
182	Anionic Polymerization of Ethylene Oxide in the Presence of the Phosphazene Base ButP4 [Kinetic Investigations Using In-Situ FT-NIR Spectroscopy and MALDI-ToF MS. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1056-1071	2.6	50
181	Direct synthesis of inverse hexagonally ordered diblock copolymer/polyoxometalate nanocomposite films. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12685-92	16.4	49
180	Double-Grafted Cylindrical Brushes: Synthesis and Characterization of Poly(lauryl methacrylate) Brushes. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1666-1675	2.6	48
179	Hidden structural features of multicompartment micelles revealed by cryogenic transmission electron tomography. <i>ACS Nano</i> , 2014 , 8, 11330-40	16.7	47
178	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	9.3	47
177	Molecular Weight Averages and Degree of Branching in Self-Condensing Vinyl Copolymerization in the Presence of Multifunctional Initiators. <i>Macromolecules</i> , 2002 , 35, 4577-4583	5.5	47
176	Kinetic Analysis of [Living] Polymerization Systems Exhibiting Slow Equilibria. 4. [Dissociative] Mechanism of Group Transfer Polymerization and Generation of Free Ions in Cationic Polymerization. <i>Macromolecules</i> , 1996 , 29, 2346-2353	5.5	47
175	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	5.5	46
174	Janus Triad: Three Types of Nonspherical, Nanoscale Janus Particles from One Single Triblock Terpolymer. <i>Macromolecules</i> , 2011 , 44, 9221-9229	5.5	46
173	Thermo-Induced Limited Aggregation of Responsive Star Polyelectrolytes. <i>Macromolecules</i> , 2014 , 47, 2112-2121	5.5	45
172	A Modular Route for the Synthesis of ABC Miktoarm Star Terpolymers via a New Alkyne-Substituted Diphenylethylene Derivative. <i>Macromolecules</i> , 2012 , 45, 8300-8309	5.5	45
171	Rare-Earth Metal Cations Incorporated Silica Hybrid Nanoparticles Templated by Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2013 , 25, 4585-4594	9.6	45
170	Clickable, biocompatible, and fluorescent hybrid nanoparticles for intracellular delivery and optical imaging. <i>Biomacromolecules</i> , 2010 , 11, 390-6	6.9	45
169	One-Pot Synthesis of Polyglycidol-Containing Block Copolymers with Alkyl lithium Initiators Using the Phosphazene Base t-BuP4. <i>Macromolecules</i> , 2007 , 40, 5241-5244	5.5	45
168	Towards nanoporous membranes based on ABC triblock terpolymers. <i>Small</i> , 2007 , 3, 1056-63	11	45
167	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	5.5	44

166	New Block Copolymers with Poly(N,N-dimethylaminoethyl methacrylate) as a Double Stimuli-Responsive Block. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 256-262	2.6	44
165	Pearl-Necklace Structures in Core-Shell Molecular Brushes: Experiments, Monte Carlo Simulations, and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2008 , 41, 4020-4028	5.5	44
164	Water-soluble complexes of star-shaped poly(acrylic acid) with quaternized poly(4-vinylpyridine). <i>Langmuir</i> , 2008 , 24, 6414-9	4	43
163	Mechanisms and kinetics of the anionic polymerization of acrylates, 2. Polymerization of tert-butyl acrylate in a flow tube reactor and effect of lithium chloride and lithium tert-butoxide. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 101-112		43
162	Interfacial Assembly and Jamming Behavior of Polymeric Janus Particles at Liquid Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33327-33332	9.5	42
161	Reversible swelling transitions in stimuli-responsive layer-by-layer films containing block copolymer micelles. <i>Chemical Science</i> , 2013 , 4, 325-334	9.4	42
160	Structure-tunable bidirectional hybrid nanowires via multicompartment cylinders. <i>Nano Letters</i> , 2009 , 9, 2026-30	11.5	42
159	Kinetics of the anionic polymerization of methyl methacrylate in tetrahydrofuran using lithium and potassium as counterions. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1982 , 3, 121-125		41
158	Bis-Hydrophilic Block Terpolymers via RAFT Polymerization: Toward Dynamic Micelles with Tunable Corona Properties. <i>Macromolecules</i> , 2008 , 41, 8608-8619	5.5	40
157	Alignment of tellurium nanorods via a magnetization-alignment-demagnetization ("MAD") process assisted by an external magnetic field. <i>ACS Nano</i> , 2009 , 3, 1441-50	16.7	39
156	New Polyelectrolyte Architectures. <i>Advances in Polymer Science</i> , 2004 , 1-42	1.3	39
155	Advanced Functional Structures Based on Interpolyelectrolyte Complexes. <i>Advances in Polymer Science</i> , 2013 , 173-225	1.3	38
154	Multiresponsive Microcapsules Based on Multilayer Assembly of Star Polyelectrolytes. <i>Macromolecules</i> , 2014 , 47, 7858-7868	5.5	38
153	Rheology and phase behavior of poly(n-butyl acrylate)-block-poly(acrylic acid) in aqueous solution. <i>Langmuir</i> , 2006 , 22, 4766-76	4	38
152	Group transfer and anionic polymerization: A critical comparison. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1990 , 32, 87-104		38
151	Equilibria in the anionic polymerization of methyl methacrylate, 1. Chain-length dependence of the rate and equilibrium constants. <i>Die Makromolekulare Chemie</i> , 1986 , 187, 1473-1482		38
150	Fine-Tuning the Structure of Stimuli-Responsive Polymer Films by Hydrostatic Pressure and Temperature. <i>Macromolecules</i> , 2013 , 46, 6541-6547	5.5	37
149	Core-crosslinked compartmentalized cylinders. <i>Nanoscale</i> , 2011 , 3, 288-97	7.7	37

148	Immobilized hyperbranched glycoacrylate films as bioactive supports. <i>Macromolecular Bioscience</i> , 2006 , 6, 658-66	5.5	37
147	Stabilization of polymeric micelles with a mixed poly(ethylene oxide)/poly(2-hydroxyethyl methacrylate) shell by formation of poly(pentaerythritol tetraacrylate) nanonetworks within the micelles. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2192-2199		37
146	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. <i>Macromolecules</i> , 2018 , 51, 10246-10258	5.5	37
145	Kinetic Investigation on Metal Free Anionic Polymerization of Methyl Methacrylate Using Tetraphenylphosphonium as the Counterion in Tetrahydrofuran. <i>Macromolecules</i> , 1997 , 30, 1869-1874	5.5	36
144	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. <i>Polymer Chemistry</i> , 2019 , 10, 1213-1220	4.9	35
143	Revival of the R-group approach: a "CTA-shuttled" grafting from approach for well-defined cylindrical polymer brushes via RAFT polymerization. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 234-241	4.8	35
142	Manipulating the morphologies of cylindrical polyelectrolyte brushes by forming interpolyelectrolyte complexes with oppositely charged linear polyelectrolytes: an AFM study. <i>Langmuir</i> , 2010 , 26, 6919-26	4	35
141	Density Functional Theory Study on the Aggregation and Dissociation Behavior of Lithium Chloride in THF and Its Interaction with the Active Centers of the Anionic Polymerization of Methyl Methacrylate and Styrene. <i>Macromolecules</i> , 2000 , 33, 5686-5692	5.5	35
140	Kinetics of group transfer polymerization of methyl methacrylate in tetrahydrofuran, 1. Effect of concentrations of catalyst and initiator on reaction rates. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987 , 8, 99-107		35
139	Interpolyelectrolyte Complexes Based on Polyionic Species of Branched Topology. <i>Advances in Polymer Science</i> , 2010 , 131-161	1.3	34
138	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	5.5	33
137	Calcium phosphate mineralization beneath a polycationic monolayer at the air-water interface. <i>Macromolecular Bioscience</i> , 2010 , 10, 1084-92	5.5	33
136	Organic/Inorganic Nanoassembly Based on Complexation of Cationic Silica Nanoparticles and Weak Anionic Polyelectrolytes in Aqueous and Alcohol Media. <i>Langmuir</i> , 2004 , 20, 1934-1944	4	33
135	Influence of counterion valency on the conformational behavior of cylindrical polyelectrolyte brushes. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5104-10	3.4	32
134	Equilibria in the anionic polymerization of methyl methacrylate, 2. Effect of lithium tert-butoxide on rate and equilibrium constants. <i>Die Makromolekulare Chemie</i> , 1990 , 191, 1657-1664		32
133	Kinetics of group transfer polymerization of methyl methacrylate in tetrahydrofuran, 2. Effect of monomer concentration and temperature on reaction rates. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987 , 8, 247-253		32
132	Glycopolymer-grafted polystyrene nanospheres. <i>Macromolecular Bioscience</i> , 2011 , 11, 199-210	5.5	31
131	Quantum-Chemical Study of the Structure, Aggregation, and NMR Shifts of the Lithium Ester Enolate of Methyl Isobutyrate. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8897-8903	16.4	31

130	Control of corona composition and morphology in aggregates of mixtures of PS-b-PAA and PS-b-P4VP diblock copolymers: effects of pH and block length. <i>Langmuir</i> , 2014 , 30, 5031-40	4	30
129	Magnetoceramic nanocrystals from the bulk pyrolysis of novel hyperbranched polyferrocenyl(boro)carbosilanes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1507	7.1	30
128	A facile polymer templating route toward high-aspect-ratio crystalline titania nanostructures. <i>Small</i> , 2012 , 8, 2636-40	11	30
127	Kinetic Investigation of Self-Condensing Group Transfer Polymerization. <i>Macromolecules</i> , 2004 , 37, 7548-7558	5.5	30
126	Mechanism of Anionic Polymerization of (Meth)acrylates in the Presence of Aluminum Alkyls. 5. Effect of Lewis Bases on Kinetics and Molecular Weight Distributions. <i>Macromolecules</i> , 1998 , 31, 573-577	5.5	30
125	Co-Assembly of AB Diblock Copolymers with B ² -type Nanoparticles in Thin Films: Effect of Copolymer Composition and Nanoparticle Shape. <i>Macromolecules</i> , 2014 , 47, 3022-3032	5.5	29
124	Double-layered micellar interpolyelectrolyte complexes: how many shells to a core?. <i>Soft Matter</i> , 2011 , 7, 1714-1725	3.6	29
123	Interaction of cylindrical polymer brushes in dilute and semi-dilute solution. <i>Colloid and Polymer Science</i> , 2009 , 287, 129-138	2.4	29
122	Estimation of Number-Average Molecular Weights of Copolymers by Gel Permeation Chromatography/Light Scattering. <i>Macromolecules</i> , 1996 , 29, 4926-4930	5.5	29
121	Controlling Multicompartment Morphologies Using Solvent Conditions and Chemical Modification. <i>ACS Macro Letters</i> , 2016 , 5, 1044-1048	6.6	28
120	Smart hydrogels based on responsive star-block copolymers. <i>Soft Matter</i> , 2012 , 8, 9436	3.6	28
119	Calcium phosphate mineralization beneath monolayers of poly(n-butylacrylate)-block-poly(acrylic acid) block copolymers. <i>Faraday Discussions</i> , 2008 , 139, 179-97; discussion 213-28, 419-20	3.6	28
118	Kinetic Analysis of "Living" Polymerization Systems Exhibiting Slow Equilibria. 3. "Associative" Mechanism of Group Transfer Polymerization and Ion Pair Generation in Cationic Polymerization. <i>Macromolecules</i> , 1996 , 29, 2339-2345	5.5	28
117	Kinetics of the anionic polymerization of tert-butyl methacrylate in tetrahydrofuran. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 2863-2871		28
116	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	27
115	Self-Assembly of Amphiphilic Triblock Terpolymers Mediated by Multifunctional Organic Acids: Vesicles, Toroids, and (Undulated) Ribbons. <i>Macromolecules</i> , 2014 , 47, 1672-1683	5.5	27
114	Mechanisms and kinetics of the anionic polymerization of acrylates, 1. Oligomerization of tert-butyl acrylate and characterization of products. <i>Die Makromolekulare Chemie</i> , 1990 , 191, 2253-2260		27
113	Stable Carbanions by Quantitative Metalation of Cationically Obtained Diphenylvinyl and Diphenylmethoxy Compounds: New Initiators for Living Anionic Polymerizations. <i>Macromolecules</i> , 1997 , 30, 6989-6993	5.5	26

112	Synthesis of dense poly(acrylic acid) brushes and their interaction with amine-functional silsesquioxane nanoparticles. <i>Langmuir</i> , 2008 , 24, 9421-9	4	26
111	Mechanism of anionic polymerization of (meth)acrylates in the presence of aluminium alkyls, 1. 13C NMR studies of model compounds in toluene. <i>Macromolecular Rapid Communications</i> , 1994 , 15, 517-525	4.8	26
110	Kinetics of the anionic polymerization of methyl methacrylate using cryptated sodium as counterion in tetrahydrofuran. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1981 , 2, 687-691		26
109	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	15.6	25
108	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	3.6	25
107	Nano-patterned structures in cylindrical polyelectrolyte brushes assembled with oppositely charged polyions. <i>Soft Matter</i> , 2009 , 5, 4938	3.6	25
106	Controlling the Fast ATRP of N-Isopropylacrylamide in Water. <i>ACS Symposium Series</i> , 2009 , 127-137	0.4	25
105	Wormlike morphology formation and stabilization of "pluronic p123" micelles by solubilization of pentaerythritol tetraacrylate. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8879-83	3.4	25
104	Control of morphology and corona composition in aggregates of mixtures of PS-b-PAA and PS-b-P4VP diblock copolymers: effects of solvent, water content, and mixture composition. <i>Langmuir</i> , 2014 , 30, 13152-63	4	24
103	Kinetics and Mechanisms in the Anionic Polymerization of Methacrylic Esters 1987 , 205-229		24
102	Block Copolymer Micellar Nanoreactors for the Directed Synthesis of ZnO Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 729-34	4.8	23
101	Interpolyelectrolyte complexes based on hyaluronic acid-block-poly(ethylene glycol) and poly-L-lysine. <i>Soft Matter</i> , 2013 , 9, 4297	3.6	22
100	DNA melting temperature assay for assessing the stability of DNA polyplexes intended for nonviral gene delivery. <i>Langmuir</i> , 2011 , 27, 12042-51	4	22
99	Polymerization of Methacrylates in the Presence of Tetraphenylphosphonium Cation. 2. Evidence for Phosphorylide-Mediated Polymerizations. <i>Macromolecules</i> , 1997 , 30, 6695-6697	5.5	22
98	Present View of the Anionic Polymerization of Methyl Methacrylate and Related Esters in Polar Solvents. <i>ACS Symposium Series</i> , 1981 , 441-461	0.4	22
97	Surface immobilized block copolymer micelles with switchable accessibility of hydrophobic pockets. <i>Soft Matter</i> , 2011 , 7, 11144	3.6	21
96	Foaming of Microstructured and Nanostructured Polymer Blends. <i>Advances in Polymer Science</i> , 2009 , 199-252	1.3	21
95	Conformations and Solution Properties of Star-Branched Polyelectrolytes. <i>Advances in Polymer Science</i> , 2010 , 1-55	1.3	21

94	Anionic Polymerization of Alkyl (Meth)acrylates Using Metal-Free Initiators: Effect of Ion Pairing on Initiation Equilibria. <i>Macromolecules</i> , 1999 , 32, 2865-2871	5.5	21
93	Mechanism of anionic polymerization of (meth)acrylates in the presence of aluminium alkyls, 2. Kinetic investigations with methyl methacrylate in toluene. <i>Macromolecular Rapid Communications</i> , 1995 , 16, 399-406	4.8	21
92	Living Anionic Polymerization in Continuous Flow: Facilitated Synthesis of High-Molecular Weight Poly(2-vinylpyridine) and Polystyrene. <i>Organic Process Research and Development</i> , 2014 , 18, 1408-1412	3.9	20
91	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, 2284-91	16.7	20
90	Investigation of the Telomerization Kinetics of N-Isopropylacrylamide Using 3-Mercaptopropionic Hydrazide as Chain Transfer Agent. <i>Macromolecules</i> , 2005 , 38, 3630-3637	5.5	20
89	Effect of Lithium Perchlorate on the Kinetics of the Anionic Polymerization of Methyl Methacrylate in Tetrahydrofuran. <i>Macromolecules</i> , 1999 , 32, 1356-1361	5.5	20
88	Copolymerization of methacryloyl-terminated PMMA macromonomers with methyl methacrylate. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 54-55, 583-594		20
87	Mechanisms and kinetics of the anionic polymerization of acrylates, 3. Effect of lithium chloride and lithium tert-butoxide on the oligomerization of tert-butyl acrylate. <i>Die Makromolekulare Chemie</i> , 1993 , 194, 625-636		20
86	Kinetics of group transfer polymerization of tert-butyl methacrylate in tetrahydrofuran. <i>Die Makromolekulare Chemie</i> , 1989 , 190, 527-539		20
85	Stimuli-responsive spherical brushes based on D-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>Macromolecular Bioscience</i> , 2014 , 14, 81-91	5.5	19
84	Micellar Interpolyelectrolyte Complexes with a Compartmentalized Shell. <i>Macromolecules</i> , 2013 , 46, 6466-6474	5.5	19
83	Calcium phosphate growth beneath a polycationic monolayer at the air-water interface: effects of oscillating surface pressure on mineralization. <i>Nanoscale</i> , 2010 , 2, 2440-6	7.7	19
82	Living and Controlled Anionic Polymerization of Methacrylates and Acrylates in the Presence of Tetraalkylammonium Halide-Alkylaluminum Complexes in Toluene. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1389-1391	16.4	19
81	Quantum-Chemical Study of Structure and Activity of Chain Ends in Metal-Free Anionic Polymerization of Methacrylates. <i>Macromolecules</i> , 2003 , 36, 3374-3379	5.5	19
80	Tapered Multiblock Copolymers Based on Farnesene and Styrene: Impact of Biobased Polydiene Architectures on Material Properties. <i>Macromolecules</i> , 2020 , 53, 10397-10408	5.5	19
79	Efficient size control of copper nanoparticles generated in irradiated aqueous solutions of star-shaped polyelectrolyte containers. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11490-8	3.6	18
78	DFT study of the effect of sigma-ligands on the structure of ester enolates in THF, as models of the active center in the anionic polymerization of methyl methacrylate. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4932-7	16.4	18
77	Metalloesters, 11. Disproportionation of living (lithiated) oligomers of methyl methacrylate. <i>Die Makromolekulare Chemie</i> , 1984 , 185, 1819-1826		18

76	Compaction and Transmembrane Delivery of pDNA: Differences between l-PEI and Two Types of Amphiphilic Block Copolymers. <i>Biomacromolecules</i> , 2017 , 18, 808-818	6.9	17
75	Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. <i>Macromolecules</i> , 2014 , 47, 6289-6301	5.5	17
74	Facile Access to Hydroxy-Functional Core-Shell Microspheres via Grafting of Ethylene Oxide by Anionic Ring-Opening Polymerization. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1009-14	4.8	17
73	Anionic polymerization of methyl methacrylate using tetrakis[tris(dimethylamino)phosphoranylideneamino] phosphonium (P5+) as counterion in tetrahydrofuran. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 390-395	4.8	17
72	Mechanism of Anionic Polymerization of (Meth)acrylates in the Presence of Aluminum Alkyls, 6. Polymerization of Primary and Tertiary Acrylates. <i>Macromolecules</i> , 1998 , 31, 1705-1709	5.5	17
71	Interpolyelectrolyte complexes with a polysaccharide corona from dextran-block-PDMAEMA diblock copolymers. <i>Polymer Chemistry</i> , 2013 , 4, 2278	4.9	16
70	Tetragonally Perforated Lamellae of Polybutadiene-block-poly(2-vinylpyridine)-block-poly(tert-butyl methacrylate) (BVT) Triblock Terpolymers in the Bulk: Preparation, Cross-Linking, and Dissolution. <i>Macromolecules</i> , 2012 , 45, 7956-7963	5.5	16
69	Crystal structure and chemical composition of biomimetic calcium phosphate nanofibers. <i>RSC Advances</i> , 2013 , 3, 11301	3.7	16
68	Molecular parameters of hyperbranched polymers made by self-condensing vinyl polymerization of macroinimers. <i>Macromolecular Theory and Simulations</i> , 2000 , 9, 621-627	1.5	16
67	Effect of bulkiness and lewis acidity of aluminium compounds on the anionic polymerization of methyl methacrylate in toluene. <i>Macromolecular Symposia</i> , 1996 , 107, 163-176	0.8	16
66	Acrylic thermoplastic elastomers and comb-shaped poly(methyl methacrylate) via the macromonomer technique. <i>Macromolecular Symposia</i> , 1996 , 101, 19-27	0.8	16
65	Influence of Polyplex Formation on the Performance of Star-Shaped Polycationic Transfection Agents for Mammalian Cells. <i>Polymers</i> , 2016 , 8,	4.5	16
64	Stimuli-responsive micellar interpolyelectrolyte complexes. Control of micelle dynamics via core crosslinking. <i>Soft Matter</i> , 2012 , 8, 10167	3.6	15
63	Smart organic-inorganic nanohybrids based on amphiphilic block copolymer micelles and functional silsesquioxane nanoparticles. <i>Langmuir</i> , 2009 , 25, 3407-17	4	15
62	Anionic Polymerization and Block Copolymerization of N,N-Diethylacrylamide in the Presence of Triethylaluminum. Kinetic Investigation Using In-Line FT-NIR Spectroscopy. <i>Macromolecules</i> , 2006 , 39, 2773-2787	5.5	15
61	The effect of TMEDA on the kinetics of the anionic polymerization of methyl methacrylate in tetrahydrofuran using lithium as counterion. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 1901-1911 ^{2,6}	4.6	15
60	Anionic Polymerization of (Meth)acrylates in the Presence of Tetraalkylammonium Halide. Trialkyl Aluminum Complexes in Toluene. 2. NMR and Quantum-Chemical Study on the Structure of Ester Enolate Complexes as Models of the Active Center. <i>Macromolecules</i> , 2000 , 33, 2887-2893	5.5	15
59	Quantum-Chemical (Density Functional Theory) Study of Lithium 2-Methoxyethoxide, Methyl Lithioisobutyrate, and Their Mixed Aggregates as Models of the Active Center in the Anionic Polymerization of Methacrylates. <i>Macromolecules</i> , 1999 , 32, 1731-1736	5.5	15

58	Kinetics of Anionic Living Copolymerization of Isoprene and Styrene Using in Situ NIR Spectroscopy: Temperature Effects on Monomer Sequence and Morphology. <i>Macromolecules</i> , 2019 , 52, 9299-9310	5.5	15
57	Towards completely miscible PMMA nanocomposites reinforced by shear-stiff, nano-mica. <i>Journal of Colloid and Interface Science</i> , 2014 , 425, 143-51	9.3	14
56	Anionic Polymerization of (Meth)acrylates in the Presence of Tetraalkylammonium Halide-Trialkyl Aluminum Complexes in Toluene, 1. Kinetic Investigations with Methyl Methacrylate. <i>Macromolecules</i> , 1998 , 31, 7127-7132	5.5	14
55	Periodic nanoscale patterning of polyelectrolytes over square centimeter areas using block copolymer templates. <i>Soft Matter</i> , 2016 , 12, 4595-602	3.6	14
54	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	5.5	13
53	Going beyond the surface: revealing complex block copolymer morphologies with 3D scanning force microscopy. <i>ACS Nano</i> , 2010 , 4, 5609-16	16.7	13
52	Interpolyelectrolyte complexation in chloroform. <i>Langmuir</i> , 2010 , 26, 7813-8	4	13
51	Direct Synthesis of Poly(potassium 3-sulfopropyl methacrylate) Cylindrical Polymer Brushes via ATRP Using a Supramolecular Complex With Crown Ether. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1462-6	4.8	13
50	NMR and Quantum-Chemical Study on the Structure of Ester Enolate-Aluminum Alkyl Complexes as Models of the Active Center in the Anionic Polymerization of Methacrylates in Toluene. <i>Macromolecules</i> , 1999 , 32, 8340-8349	5.5	13
49	Kinetic Analysis of "Living" Polymerization Processes Exhibiting Slow Equilibria. 6. Cationic Polymerization Involving Covalent Species, Ion Pairs, and Free Cations. <i>Macromolecules</i> , 1996 , 29, 8057-8063	5.5	13
48	Tailored star-shaped statistical teroligomers via ATRP for lithographic applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 73-79		12
47	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	5.3	12
46	Metal-free anionic polymerization of methyl methacrylate in tetrahydrofuran using bis(triphenylphosphoranylidene)ammonium (PNP+) as counterion. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 758-763	4.8	11
45	Kinetic Treatment of Slow Initiation in Living Carbocationic Polymerization and Investigation of Benzyl Halides as Initiators for the Polymerization of Isobutylene. <i>Macromolecules</i> , 1998 , 31, 7199-7202	5.5	11
44	Mechanism of Anionic Polymerization of (Meth)acrylates in the Presence of Aluminium Alkyls IV. Formation of a Co-ordinative Polymer Network via the Living Aluminate End Group. <i>Polymer Journal</i> , 1996 , 28, 954-959	2.7	11
43	Splitting of Surface-Immobilized Multicompartment Micelles into Clusters upon Charge Inversion. <i>ACS Nano</i> , 2016 , 10, 5180-8	16.7	11
42	A block copolymer-templated construction approach for the creation of nano-patterned polyelectrolyte multilayers and nanoscale objects. <i>Soft Matter</i> , 2016 , 12, 8098-8103	3.6	10
41	Template-directed synthesis of hybrid nanowires and nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2436-2450	1.3	10

40	Rod-like nano-light harvester. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 52-5	4.8	9
39	Magnetic Core-Shell Nanoparticles as Carriers for Olefin Dimerization Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2146-2153	2.3	9
38	Synthesis of linear and three-arm star tert-chlorine-telechelic polyisobutylenes by a two-step conventional laboratory process. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 417-425	4.8	9
37	Anionic polymerization of N,N-dimethylacrylamide with thienyllithium and synthesis of block co-polymers of isobutylene and N,N-dimethylacrylamide by site transformation of chain ends. <i>Designed Monomers and Polymers</i> , 2006 , 9, 63-79	3.1	9
36	Quantum-Chemical Study of the Effect of Triethylaluminum on the Chain-End Structure and Tacticity of Poly(N,N-dimethylacrylamide) with Lithium Counterion in THF. <i>Macromolecules</i> , 2006 , 39, 4228-4234	5.5	9
35	Anionic Polymerization of (Meth)acrylates in the Presence of Tetraalkylammonium Halide-Trialkyl Aluminum Complexes in Toluene. 3. Kinetic Investigations on Primary Acrylates. <i>Macromolecules</i> , 2001 , 34, 2115-2120	5.5	9
34	Mechanism of anionic polymerization of methyl methacrylate in the presence of aluminium alkyls. <i>Macromolecular Symposia</i> , 1995 , 95, 13-26	0.8	9
33	Diblock copolymer membranes investigated by single-particle tracking. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2278-84	3.6	8
32	Polyelectrolyte Stars and Cylindrical Brushes. <i>Advances in Polymer Science</i> , 2009 , 1-38	1.3	8
31	Copolymerization of N,N-Dimethylacrylamide with Styrene and Butadiene: The First Example of Polar Growing Chain End/Nonpolar Monomer Cross-Initiation. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 1243	4.8	8
30	Kinetic Analysis of Living Polymerization Processes Exhibiting Slow Equilibria. 5. Effect of Monomer Transfer in Cationic Polymerization and Similar Living Processes. <i>Macromolecules</i> , 1996 , 29, 5065-5071	5.5	7
29	Mean square radius of gyration and hydrodynamic radius of jointed star (dumbbell) and H-comb polymers. <i>Macromolecular Theory and Simulations</i> , 1996 , 5, 759-769	1.5	7
28	Kinetics and mechanism of group transfer polymerization of N-butyl acrylate catalyzed by HgI ₂ /(CH ₃) ₃ SiI in toluene. <i>Macromolecular Symposia</i> , 1994 , 85, 379-392	0.8	7
27	Self-Condensing Vinyl Polymerization 2011 , 139-174		6
26	Kinetic Investigations of Self-Condensing Group Transfer Polymerization. <i>Macromolecular Symposia</i> , 2006 , 240, 83-92	0.8	6
25	Practical Applications of Macromonomer Techniques for the Synthesis of Comb-Shaped Copolymers. <i>ACS Symposium Series</i> , 1998 , 208-217	0.4	6
24	Systematic Study of a Library of PDMAEMA-Based, Superparamagnetic Nano-Stars for the Transfection of CHO-K1 Cells. <i>Polymers</i> , 2017 , 9,	4.5	5
23	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	3.6	5

22	Kinetics of Group Transfer Polymerization 1987 , 23-40		5
21	Structural analysis of colloidal MnO _x composites. <i>Colloid and Polymer Science</i> , 2013 , 291, 469-481	2.4	4
20	Janus-Micellen als effektive suprakolloidale Dispersionsmittel für Kohlenstoff-Nanoröhren. <i>Angewandte Chemie</i> , 2013 , 125, 3688-3693	3.6	4
19	Packing of Cylindrical Keggin-Type Polyoxometalate Hybrid Micelles as a Function of Aspect Ratio. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 815-826	3.1	4
18	Linear Versus (Hyper)branched Polymers 2011 , 973-1005		3
17	Comparison of star and linear ArF resists 2010 ,		3
16	New Amphiphilic Nanostructures Based on Block Terpolymers Made By Anionic Polymerization. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009 , 167-186	0.1	3
15	A Commentary on Synthesis of polymers with hydroxyl end groups by atom transfer radical polymerization by V. Coessens, K. Matyjaszewski (Macromol. Rapid Commun. 1999, 20, 127-134). <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1893-1902	4.8	3
14	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. <i>Macromolecules</i> , 2021 , 54, 5774-5783	5.5	3
13	Chapter 1: Soft, Nanoscale Janus Particles by Macromolecular Engineering and Molecular Self-assembly. <i>RSC Smart Materials</i> , 2012 , 1-28	0.6	2
12	Double Responsive Hydrogels based on Tertiary Amine Methacrylate Star Block Copolymers. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 695-709	3.1	2
11	The effect of THF and the chelating modifier DTHFP on the copolymerisation of myrcene and styrene: kinetics, microstructures, morphologies, and mechanical properties. <i>Polymer Chemistry</i> , 2021 , 12, 4632-4642	4.9	2
10	Core-Shell Cylindrical Polymer Brushes with New Properties: A Mini-Review. <i>ACS Symposium Series</i> , 2015 , 127-133	0.4	1
9	Polymere Multitalente: sternförmige Polykationen. <i>Nachrichten Aus Der Chemie</i> , 2013 , 61, 1008-1012	0.1	1
8	Novel initiating systems for the living polymerization of acrylates and methacrylates. <i>Macromolecular Symposia</i> , 1998 , 132, 293-302	0.8	1
7	Polyelectrolyte Stars and Cylindrical Brushes Made by ATRP: New Building Blocks in Nanotechnology. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009 , 17-36	0.1	1
6	Acrylic Graft Copolymers Via Macromonomers 1995 , 189-196		1
5	Preface In An energetic life between soft matter and hard X-rays. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 543-545	3.1	

4 Surface-Grafted Hyperbranched Polymers **2005**, 167-186

3 Synthesis and Characterization of Methacrylate-Type Glycopolymers with Branched Architectures. *ACS Symposium Series*, **2006**, 214-233 0.4

2 Structural Study of Star Polyelectrolytes and Their Porous Multilayer Assembly in Solution. *Springer Proceedings in Physics*, **2015**, 299-315 0.2

1 Cylindrical Polymer Brushes **2012**, 263-314