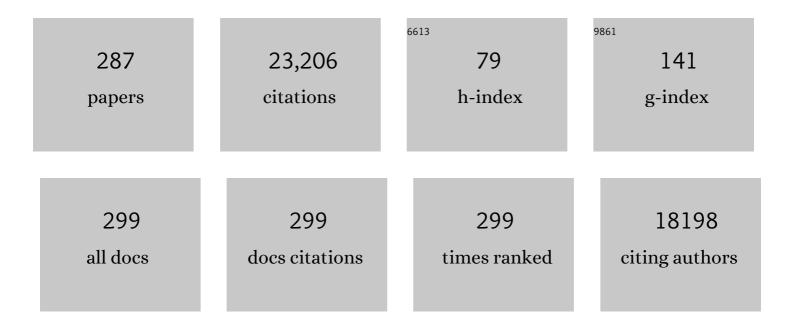
## Matthias M Ballauff

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Kinetic Analysis of Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. Journal of Physical Chemistry C, 2010, 114, 8814-8820.	3.1	1,068
2	Catalysis by metallic nanoparticles in aqueous solution: model reactions. Chemical Society Reviews, 2012, 41, 5577.	38.1	966
3	Thermosensitive Core–Shell Particles as Carriers for Ag Nanoparticles: Modulating the Catalytic Activity by a Phase Transition in Networks. Angewandte Chemie - International Edition, 2006, 45, 813-816.	13.8	698
4	Catalytic Activity of Palladium Nanoparticles Encapsulated in Spherical Polyelectrolyte Brushes and Coreá^'Shell Microgels. Chemistry of Materials, 2007, 19, 1062-1069.	6.7	662
5	Protein Interactions with Polymer Coatings and Biomaterials. Angewandte Chemie - International Edition, 2014, 53, 8004-8031.	13.8	614
6	Catalytic Activity of Faceted Gold Nanoparticles Studied by a Model Reaction: Evidence for Substrate-Induced Surface Restructuring. ACS Catalysis, 2011, 1, 908-916.	11.2	504
7	"Smart―nanoparticles: Preparation, characterization and applications. Polymer, 2007, 48, 1815-1823.	3.8	385
8	Polyelectrolyte Brushes. Advances in Polymer Science, 2004, , 79-150.	0.8	351
9	Thermosensitive Auâ€₽NIPA Yolk–Shell Nanoparticles with Tunable Selectivity for Catalysis. Angewandte Chemie - International Edition, 2012, 51, 2229-2233.	13.8	350
10	High Catalytic Activity of Platinum Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. Langmuir, 2005, 21, 12229-12234.	3.5	344
11	Dendrimers in Solution: Insight from Theory and Simulation. Angewandte Chemie - International Edition, 2004, 43, 2998-3020.	13.8	343
12	Tuning the Thermoresponsive Properties of Weak Polyelectrolytes:  Aqueous Solutions of Star-Shaped and Linear Poly( <i>N,N</i> -dimethylaminoethyl Methacrylate). Macromolecules, 2007, 40, 8361-8366.	4.8	341
13	Thermosensitive Coreâ ´`Shell Particles as Carrier Systems for Metallic Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 3930-3937.	2.6	320
14	Kinetic Analysis of the Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 18618-18625.	3.1	316
15	Stiff-Chain Polymers?Structure, Phase Behavior, and Properties. Angewandte Chemie International Edition in English, 1989, 28, 253-267.	4.4	297
16	Spherical polyelectrolyte brushes. Progress in Polymer Science, 2007, 32, 1135-1151.	24.7	290
17	Polyelectrolyte brushes. Current Opinion in Colloid and Interface Science, 2006, 11, 316-323.	7.4	286
18	Thermosensitive core–shell microgels: From colloidal model systems to nanoreactors. Progress in Polymer Science, 2011, 36, 767-792.	24.7	275

#	Article	IF	CITATIONS
19	Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization. Macromolecules, 1999, 32, 6043-6046.	4.8	264
20	Single Nanocrystals of Platinum Prepared by Partial Dissolution of Au-Pt Nanoalloys. Science, 2009, 323, 617-620.	12.6	255
21	Tuning the Thermoresponsiveness of Weak Polyelectrolytes by pH and Light:  Lower and Upper Critical-Solution Temperature of Poly( <i>N,N</i> -dimethylaminoethyl methacrylate). Journal of the American Chemical Society, 2007, 129, 14538-14539.	13.7	247
22	Adsorption of proteins on spherical polyelectrolyte brushes in aqueous solution. Physical Chemistry Chemical Physics, 2003, 5, 1671-1677.	2.8	221
23	In Situ Formation of Ag Nanoparticles in Spherical Polyacrylic Acid Brushes by UV Irradiation. Journal of Physical Chemistry C, 2007, 111, 7676-7681.	3.1	221
24	Water-soluble organo-silica hybrid nanowires. Nature Materials, 2008, 7, 718-722.	27.5	217
25	Spatial Dimensions of Colloidal Polyelectrolyte Brushes As Determined by Dynamic Light Scatteringâ€. Langmuir, 2000, 16, 8719-8726.	3.5	202
26	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1986, 7, 407-414.	1.1	199
27	Thermosensitive core-shell microgel as a "nanoreactor―for catalytic active metal nanoparticles. Journal of Materials Chemistry, 2009, 19, 3955.	6.7	191
28	Stable Bimetallic Gold–Platinum Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes: Synthesis, Characterization, and Application for the Oxidation of Alcohols. Advanced Materials, 2008, 20, 1928-1933.	21.0	188
29	Synthesis, Characterization and Behavior in Aqueous Solution of Star-Shaped Poly(acrylic acid). Macromolecular Chemistry and Physics, 2005, 206, 1813-1825.	2.2	183
30	Observation of the Volume Transition in Thermosensitive Coreâ^'Shell Latex Particles by Small-Angle X-ray Scattering. Macromolecules, 1998, 31, 8912-8917.	4.8	174
31	Interaction of proteins with linear polyelectrolytes and spherical polyelectrolyte brushes in aqueous solution. Physical Chemistry Chemical Physics, 2006, 8, 5269.	2.8	169
32	Self-Assembly of Janus Cylinders into Hierarchical Superstructures. Journal of the American Chemical Society, 2009, 131, 4720-4728.	13.7	165
33	Rheology of a Temperature Sensitive Coreâ^'Shell Latex. Langmuir, 1999, 15, 102-106.	3.5	162
34	Adsorption of β-Lactoglobulin on Spherical Polyelectrolyte Brushes: Direct Proof of Counterion Release by Isothermal Titration Calorimetry. Journal of the American Chemical Society, 2010, 132, 3159-3163.	13.7	159
35	Formation and Growth of Amorphous Colloidal CaCO3Precursor Particles as Detected by Time-Resolved SAXS. Langmuir, 2002, 18, 8364-8369.	3.5	157
36	pH and salt responsive poly(N,N-dimethylaminoethyl methacrylate) cylindrical brushes and their quaternized derivatives. Polymer, 2008, 49, 3957-3964.	3.8	148

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37	Collapse of Spherical Polyelectrolyte Brushes in the Presence of Multivalent Counterions. Physical Review Letters, 2006, 97, 158301.	7.8	147
38	â€~Nano-tree'—type spherical polymer brush particles as templates for metallic nanoparticles. Polymer, 2006, 47, 4985-4995.	3.8	143
39	Cationic Spherical Polyelectrolyte Brushes as Nanoreactors for the Generation of Gold Particles. Macromolecular Rapid Communications, 2004, 25, 547-552.	3.9	142
40	High Elongation of Polyelectrolyte Chains in the Osmotic Limit of Spherical Polyelectrolyte Brushes: A Study by Cryogenic Transmission Electron Microscopy. Journal of the American Chemical Society, 2005, 127, 9688-9689.	13.7	137
41	Activity of Enzymes Immobilized in Colloidal Spherical Polyelectrolyte Brushes. Biomacromolecules, 2005, 6, 948-955.	5.4	131
42	Porous Ti <sub>4</sub> O <sub>7</sub> Particles with Interconnectedâ€Pore Structure as a Highâ€Efficiency Polysulfide Mediator for Lithium–Sulfur Batteries. Advanced Functional Materials, 2017, 27, 1701176.	14.9	127
43	Secondary Structure Analysis of Proteins Embedded in Spherical Polyelectrolyte Brushes by FT-IR Spectroscopy. Analytical Chemistry, 2004, 76, 2813-2819.	6.5	124
44	Synthesis and Characterization of Star-Shaped Poly( <i>N,N</i> -dimethylaminoethyl methacrylate) and Its Quaternized Ammonium Salts. Macromolecules, 2007, 40, 5689-5697.	4.8	123
45	Composite Hydrogels: Robust Carriers for Catalytic Nanoparticles. Macromolecular Chemistry and Physics, 2007, 208, 254-261.	2.2	123
46	Viscoelasticity and shear flow of concentrated, noncrystallizing colloidal suspensions: Comparison with mode-coupling theory. Journal of Rheology, 2009, 53, 707-726.	2.6	120
47	Kettensteife Polymere – Struktur, Phasenverhalten und Eigenschaften. Angewandte Chemie, 1989, 101, 261-276.	2.0	118
48	Gaussian effective interaction between flexible dendrimers of fourth generation: A theoretical and experimental study. Journal of Chemical Physics, 2002, 117, 1869-1877.	3.0	118
49	Small-angle x-ray and neutron scattering studies of the volume phase transition in thermosensitive core–shell colloids. Journal of Chemical Physics, 2001, 114, 10471-10478.	3.0	116
50	Crystallization of Calcium Carbonate Observed In-situ by Combined Small- and Wide-angle X-ray Scattering. Journal of Physical Chemistry B, 2003, 107, 5123-5125.	2.6	112
51	Analysis of the Structure of Dendrimers in Solution by Small-Angle Neutron Scattering Including Contrast Variation. Macromolecules, 1999, 32, 4079-4087.	4.8	111
52	Single Lamella Nanoparticles of Polyethylene. Nano Letters, 2007, 7, 2024-2029.	9.1	111
53	Characterization of the viscoelastic behavior of complex fluids using the piezoelastic axial vibrator. Journal of Rheology, 2005, 49, 851-863.	2.6	104
54	Core–shell microgels as "smart―carriers for enzymes. Soft Matter, 2012, 8, 1428-1436.	2.7	103

#	Article	IF	CITATIONS
55	Title is missing!. Die Makromolekulare Chemie, 1993, 194, 53-64.	1.1	102
56	Soft Interaction between Dissolved Flexible Dendrimers:  Theory and Experiment. Macromolecules, 2001, 34, 2914-2920.	4.8	102
57	Imaging the Volume Transition in Thermosensitive Coreâ^'Shell Particles by Cryo-Transmission Electron Microscopy. Langmuir, 2006, 22, 2403-2406.	3.5	102
58	Proteins and polyelectrolytes: A charged relationship. Current Opinion in Colloid and Interface Science, 2012, 17, 90-96.	7.4	101
59	Mechanism of the Formation of Amorphous Gold Nanoparticles within Spherical Polyelectrolyte Brushes. Macromolecular Chemistry and Physics, 2007, 208, 1542-1547.	2.2	100
60	Distribution of End Groups within a Dendritic Structure:Â A SANS Study Including Contrast Variation. Macromolecules, 2002, 35, 8098-8105.	4.8	99
61	Experimental study of electrostatically stabilized colloidal particles: Colloidal stability and charge reversal. Journal of Colloid and Interface Science, 2011, 358, 62-67.	9.4	99
62	Phase equilibria in rodlike systems with flexible side chains. Macromolecules, 1986, 19, 1366-1374.	4.8	98
63	Synthesis and properties of polyesters based on 2,5-furandicarboxylic acid and 1,4:3,6-dianhydrohexitols. Polymer, 1993, 34, 5003-5006.	3.8	98
64	Counterion distributions and effective interactions of spherical polyelectrolyte brushes. Colloid and Polymer Science, 2004, 282, 910-917.	2.1	97
65	Thermosensitive core-shell particles as model systems for studying the flow behavior of concentrated colloidal dispersions. Journal of Chemical Physics, 2006, 125, 204906.	3.0	97
66	Creep in Colloidal Glasses. Physical Review Letters, 2012, 108, 255701.	7.8	96
67	Residual Stresses in Glasses. Physical Review Letters, 2013, 110, 215701.	7.8	95
68	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. Macromolecules, 2016, 49, 2281-2287.	4.8	95
69	Enhanced Activity of Enzymes Immobilized in Thermoresponsive Coreâ^'Shell Microgels. Journal of Physical Chemistry B, 2009, 113, 16039-16045.	2.6	94
70	Adsorption of proteins to functional polymeric nanoparticles. Polymer, 2013, 54, 2835-2849.	3.8	94
71	Degradation of chain molecules. 1. Exact solution of the kinetic equations. Macromolecules, 1981, 14, 654-658.	4.8	92
72	Polyelectrolyte-Mediated Protein Adsorption:Â Fluorescent Protein Binding to Individual Polyelectrolyte Nanospheres. Journal of Physical Chemistry B, 2005, 109, 5418-5420.	2.6	92

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73	Nanoblossoms:Â Light-Induced Conformational Changes of Cationic Polyelectrolyte Stars in the Presence of Multivalent Counterions. Nano Letters, 2007, 7, 167-171.	9.1	92
74	Nanoscopic Polymer Particles with a Well-Defined Surface: Synthesis, Characterization, and Properties. Macromolecular Chemistry and Physics, 2003, 204, 220-234.	2.2	90
75	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. Journal of the American Chemical Society, 2016, 138, 1932-1937.	13.7	85
76	Sphereâ€toâ€Rod Transition of Micelles formed by the Semicrystalline Polybutadieneâ€ <i>block</i> â€Poly(ethylene oxide) Block Copolymer in a Selective Solvent. Macromolecular Rapid Communications, 2010, 31, 449-453.	3.9	84
77	Kinetic analysis of the reduction of 4-nitrophenol catalyzed by Au/Pd nanoalloys immobilized in spherical polyelectrolyte brushes. Physical Chemistry Chemical Physics, 2015, 17, 28137-28143.	2.8	83
78	Supramolecular Structures Generated by Spherical Polyelectrolyte Brushes and their Application in Catalysis. Macromolecular Rapid Communications, 2009, 30, 806-815.	3.9	82
79	Rigid rod polymers with flexible side chains. Polymer, 1991, 32, 2096-2105.	3.8	81
80	Suzuki―and Heckâ€Type Crossâ€Coupling with Palladium Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. Advanced Synthesis and Catalysis, 2008, 350, 493-500.	4.3	81
81	Shear stresses of colloidal dispersions at the glass transition in equilibrium and in flow. Journal of Chemical Physics, 2008, 128, 204902.	3.0	81
82	Analysis of thermosensitive core–shell colloids by small-angle neutron scattering including contrast variation. Physical Chemistry Chemical Physics, 2001, 3, 1169-1174.	2.8	80
83	Self-Diffusion and Cooperative Diffusion in Semidilute Polymer Solutions As Measured by Fluorescence Correlation Spectroscopy. Macromolecules, 2009, 42, 9537-9547.	4.8	80
84	Title is missing!. Die Makromolekulare Chemie, 1987, 188, 2865-2873.	1.1	79
85	On the Mechanism of Uptake of Globular Proteins by Polyelectrolyte Brushes:Â A Two-Gradient Self-Consistent Field Analysis. Langmuir, 2007, 23, 3937-3946.	3.5	77
86	Lithiation of Crystalline Silicon As Analyzed by Operando Neutron Reflectivity. ACS Nano, 2016, 10, 7458-7466.	14.6	77
87	Protein Sorption to Charged Microgels: Characterizing Binding Isotherms and Driving Forces. Langmuir, 2012, 28, 14373-14385.	3.5	76
88	Can dendrimers be viewed as compact colloids? A simulation study of the fluctuations in a dendrimer of fourth generation. Journal of Chemical Physics, 2003, 118, 1979-1988.	3.0	75
89	Counterion Distribution around a Spherical Polyelectrolyte Brush Probed by Anomalous Small-Angle X-ray Scattering. Macromolecules, 2004, 37, 8152-8159.	4.8	75
90	Ligand-free Gold Nanoparticles as a Reference Material for Kinetic Modelling of Catalytic Reduction of 4-Nitrophenol. Catalysis Letters, 2015, 145, 1105-1112.	2.6	75

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91	The volume transition in thermosensitive core-shell latex particles containing charged groups. Colloid and Polymer Science, 1999, 277, 1210-1214.	2.1	74
92	Direct imaging of temperature-sensitive core-shell latexes by cryogenic transmission electron microscopy. Colloid and Polymer Science, 2008, 286, 805-812.	2.1	73
93	Catalytic activity of nanoalloys from gold and palladium. Physical Chemistry Chemical Physics, 2012, 14, 6487.	2.8	73
94	Adsorption of Bovine Hemoglobin onto Spherical Polyelectrolyte Brushes Monitored by Small-Angle X-ray Scattering and Fourier Transform Infrared Spectroscopy. Biomacromolecules, 2007, 8, 3674-3681.	5.4	71
95	Ideal Polyethylene Nanocrystals. Journal of the American Chemical Society, 2013, 135, 11645-11650.	13.7	71
96	Design of block copolymer micelles via crystallization. Polymer, 2015, 62, A1-A13.	3.8	70
97	Hybrids of Magnetic Nanoparticles with Doubleâ€Hydrophilic Core/Shell Cylindrical Polymer Brushes and Their Alignment in a Magnetic Field. Advanced Functional Materials, 2010, 20, 4182-4189.	14.9	69
98	Manipulating cylindrical polyelectrolyte brushes on the nanoscale by counterions: collapse transition to helical structures. Soft Matter, 2009, 5, 379-384.	2.7	68
99	The distribution of Sr 2+ counterions around polyacrylate chains analyzed by anomalous small-angle X-ray scattering. Europhysics Letters, 2004, 66, 331-337.	2.0	67
100	Spherical polyelectrolyte brushes as nanoreactors for the generation of metallic and oxidic nanoparticles: Synthesis and application in catalysis. Progress in Polymer Science, 2016, 59, 86-104.	24.7	65
101	Understanding the Interaction of Polyelectrolyte Architectures with Proteins and Biosystems. Angewandte Chemie - International Edition, 2021, 60, 3882-3904.	13.8	65
102	Interaction of human serum albumin with short polyelectrolytes: a study by calorimetry and computer simulations. Soft Matter, 2015, 11, 4630-4639.	2.7	64
103	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. Chemistry of Materials, 2010, 22, 2626-2634.	6.7	63
104	Self-assembly of crystalline–coil diblock copolymers in solution: experimental phase map. Soft Matter, 2012, 8, 3163.	2.7	63
105	Directed Motion of Proteins along Tethered Polyelectrolytes. Physical Review Letters, 2008, 100, 158301.	7.8	62
106	Crystallization-induced switching of the morphology of poly(ethylene oxide)-block-polybutadiene micelles. Soft Matter, 2009, 5, 208-213.	2.7	62
107	Charge Matters: Mutations in Omicron Variant Favor Binding to Cells. ChemBioChem, 2022, 23, e202100681.	2.6	62
108	Synthesis and Analysis of Zwitterionic Spherical Polyelectrolyte Brushes in Aqueous Solution. Macromolecules, 2011, 44, 1654-1660.	4.8	61

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109	Switching the Morphologies of Cylindrical Polycation Brushes by Ionic and Supramolecular Inclusion Complexes. Journal of the American Chemical Society, 2009, 131, 1640-1641.	13.7	60
110	Adsorption of RNase A on Cationic Polyelectrolyte Brushes: A Study by Isothermal Titration Calorimetry. Biomacromolecules, 2011, 12, 3936-3944.	5.4	60
111	Overshoots in stress-strain curves: Colloid experiments and schematic mode coupling theory. Journal of Rheology, 2013, 57, 149-175.	2.6	60
112	Quantifying the Reversible Association of Thermosensitive Nanoparticles. Physical Review Letters, 2011, 107, 168303.	7.8	59
113	Spherical polyelectrolyte brushes in the presence of multivalent counterions: The effect of fluctuations and correlations as determined by molecular dynamics simulations. Physical Review E, 2008, 77, 031805.	2.1	58
114	Microgels as Nanoreactors: Applications in Catalysis. Advances in Polymer Science, 2010, , 129-163.	0.8	58
115	Competitive adsorption of multiple proteins to nanoparticles: the Vroman effect revisited. Molecular Physics, 2018, 116, 3154-3163.	1.7	58
116	Flow curves of dense colloidal dispersions: Schematic model analysis of the shear-dependent viscosity near the colloidal glass transition. Journal of Chemical Physics, 2005, 122, 094707.	3.0	57
117	Binding of Oppositely Charged Surfactants to Spherical Polyelectrolyte Brushes:Â A Study by Cryogenic Transmission Electron Microscopy. Langmuir, 2007, 23, 3615-3619.	3.5	56
118	A Shielding Topology Stabilizes the Early Stage Protein-Mineral Complexes of Fetuin-A and Calcium Phosphate: A Time-Resolved Small-Angle X-ray Study. ChemBioChem, 2009, 10, 735-740.	2.6	56
119	Colloidal gelation with variable attraction energy. Journal of Chemical Physics, 2013, 138, 104908.	3.0	56
120	Correlation of capacity fading processes and electrochemical impedance spectra in lithium/sulfur cells. Journal of Power Sources, 2016, 323, 107-114.	7.8	55
121	Dumbbell-Shaped Polyelectrolyte Brushes Studied by Depolarized Dynamic Light Scattering. Journal of Physical Chemistry B, 2008, 112, 14843-14850.	2.6	54
122	Preparation of Polystyrene-Poly(N-isopropylacrylamide) (PS-PNIPA) Core-Shell Particles by Photoemulsion Polymerization. Macromolecular Rapid Communications, 2006, 27, 1137-1141.	3.9	53
123	Doubleâ€Grafted Cylindrical Brushes: Synthesis and Characterization of Poly(lauryl methacrylate) Brushes. Macromolecular Chemistry and Physics, 2007, 208, 1666-1675.	2.2	53
124	Analysis of the Spatial Dimensions of Fully Aromatic Dendrimers. Angewandte Chemie - International Edition, 2004, 43, 109-112.	13.8	51
125	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. Langmuir, 2019, 35, 5373-5391.	3.5	51
126	Synthesis and Intrinsic Viscosity in Salt-Free Solution of a Stiff-Chain Cationic Poly(p-phenylene) Polyelectrolyte. Macromolecules, 1996, 29, 6962-6965.	4.8	50

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127	Correlating pore size and shape to local disorder in microporous carbon: A combined small angle neutron and X-ray scattering study. Carbon, 2017, 123, 440-447.	10.3	50
128	High Activity of Enzymes Immobilized in Colloidal Nanoreactors. Macromolecular Bioscience, 2004, 4, 13-16.	4.1	49
129	Capacity fading in lithium/sulfur batteries: A linear four-state model. Journal of Power Sources, 2014, 267, 648-654.	7.8	49
130	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite–Polydopamine Core–Shell Nanoplates. Langmuir, 2015, 31, 9483-9491.	3.5	49
131	Polysulfates Block SARS oVâ€2 Uptake through Electrostatic Interactions**. Angewandte Chemie - International Edition, 2021, 60, 15870-15878.	13.8	49
132	Oxidation of an organic dye catalyzed by MnOx nanoparticles. Journal of Catalysis, 2012, 289, 80-87.	6.2	48
133	Like-charged protein-polyelectrolyte complexation driven by charge patches. Journal of Chemical Physics, 2015, 143, 064905.	3.0	47
134	Thermosensitive Cu <sub>2</sub> O–PNIPAM core–shell nanoreactors with tunable photocatalytic activity. Journal of Materials Chemistry A, 2016, 4, 9677-9684.	10.3	46
135	Microsurface Potential Measurements: Repulsive Forces between Polyelectrolyte Brushes in the Presence of Multivalent Counterions. Langmuir, 2008, 24, 10612-10615.	3.5	45
136	Polyelectrolyte as Solvent and Reaction Medium. Journal of the American Chemical Society, 2014, 136, 12-15.	13.7	45
137	Small-angle X-ray scattering on latexes. Macromolecular Chemistry and Physics, 1996, 197, 3043-3066.	2.2	44
138	Interaction of Charged Patchy Protein Models with Like-Charged Polyelectrolyte Brushes. Langmuir, 2017, 33, 417-427.	3.5	44
139	Formation of Stable Mesoglobules by a Thermosensitive Dendronized Polymer. Macromolecules, 2009, 42, 7122-7128.	4.8	43
140	Fine-Tuning the Structure of Stimuli-Responsive Polymer Films by Hydrostatic Pressure and Temperature. Macromolecules, 2013, 46, 6541-6547.	4.8	43
141	Wellâ€Đefined Crystalline TiO <sub>2</sub> Nanoparticles Generated and Immobilized on a Colloidal Nanoreactor. Macromolecular Chemistry and Physics, 2009, 210, 377-386.	2.2	42
142	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. Zeitschrift Fur Physikalische Chemie, 2018, 232, 773-803.	2.8	42
143	Analysis of the conformation of worm-like chains by small-angle scattering: Monte-Carlo simulations in comparison to analytical theory. Macromolecular Theory and Simulations, 2000, 9, 345-353.	1.4	41
144	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. Industrial & Engineering Chemistry Research, 2012, 51, 5608-5614.	3.7	41

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145	Enzymatic activity of immobilized enzyme determined by isothermal titration calorimetry. Analytical Biochemistry, 2008, 378, 184-189.	2.4	39
146	Interaction strength between proteins and polyelectrolyte brushes: a small angle X-ray scattering study. Physical Chemistry Chemical Physics, 2011, 13, 17599.	2.8	39
147	Annealing of Single Lamella Nanoparticles of Polyethylene. Macromolecules, 2011, 44, 4845-4851.	4.8	39
148	Small-angle X-ray scattering in droplet-based microfluidics. Lab on A Chip, 2013, 13, 1529.	6.0	39
149	Counterion-Release Entropy Governs the Inhibition of Serum Proteins by Polyelectrolyte Drugs. Biomacromolecules, 2018, 19, 409-416.	5.4	39
150	<i>Operando</i> Analysis of a Lithium/Sulfur Battery by Small-Angle Neutron Scattering. ACS Nano, 2019, 13, 10233-10241.	14.6	39
151	Twoâ€Dimensional Oligo(phenyleneâ€ethynyleneâ€butadiynylene)s: Allâ€Covalent Nanoscale Spoked Wheels. Chemistry - A European Journal, 2009, 15, 2518-2535.	3.3	38
152	Kinetics of the Early Stage of Dispersion Polymerization in Supercritical CO2As Monitored by Turbidimetry. 2. Particle Formation and Locus of Polymerization. Macromolecules, 2002, 35, 3653-3661.	4.8	37
153	Temperature-Induced Unfolding of Ribonuclease A Embedded in Spherical Polyelectrolyte Brushes. Macromolecular Bioscience, 2005, 5, 13-20.	4.1	37
154	Dynamic density functional theory of protein adsorption on polymer-coated nanoparticles. Soft Matter, 2014, 10, 7932-7945.	2.7	37
155	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. Journal of Physical Chemistry C, 2015, 119, 15723-15730.	3.1	37
156	Poly(ionic liquid)-derived nanoporous carbon analyzed by combination of gas physisorption and small-angle neutron scattering. Carbon, 2015, 82, 425-435.	10.3	37
157	Synthesis of Dispersible Mesoporous Nitrogen-Doped Hollow Carbon Nanoplates with Uniform Hexagonal Morphologies for Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 29628-29636.	8.0	37
158	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. Biomacromolecules, 2017, 18, 1574-1581.	5.4	37
159	Manipulating the Morphologies of Cylindrical Polyelectrolyte Brushes by Forming Interpolyelectrolyte Complexes with Oppositely Charged Linear Polyelectrolytes: An AFM Study. Langmuir, 2010, 26, 6919-6926.	3.5	36
160	Distribution of Sulfur in Carbon/Sulfur Nanocomposites Analyzed by Small-Angle X-ray Scattering. Langmuir, 2016, 32, 2780-2786.	3.5	36
161	Characterization and analysis of the phase behavior of poly(1,4-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock	10 Tf 50 1 4.8	.0237d (2,5-d
162	Highly Dispersible Hexagonal Carbon–MoS <sub>2</sub> –Carbon Nanoplates with Hollow Sandwich	3.3	35

Structures for Supercapacitors. Chemistry - A European Journal, 2019, 25, 4757-4766.

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163	Structure of Dendrimers in Dilute Solution. Topics in Current Chemistry, 2001, , 177-194.	4.0	35
164	Thermal convection in a thermosensitive colloidal suspension. New Journal of Physics, 2010, 12, 053003.	2.9	34
165	Capacious and programmable multi-liposomal carriers. Nanoscale, 2015, 7, 1635-1641.	5.6	34
166	The Solution Structure of Stilbenoid Dendrimers: A Small-Angle Scattering Study. ChemPhysChem, 2006, 7, 2097-2104.	2.1	33
167	Direct observation of single molecule mobility in semidilute polymer solutions. Physical Review E, 2007, 75, 061804.	2.1	33
168	Interaction of cylindrical polymer brushes in dilute and semi-dilute solution. Colloid and Polymer Science, 2009, 287, 129-138.	2.1	33
169	Influence of Counterion Valency on the Conformational Behavior of Cylindrical Polyelectrolyte Brushes. Journal of Physical Chemistry B, 2009, 113, 5104-5110.	2.6	33
170	Liposomes Remain Intact When Complexed with Polycationic Brushes. Journal of the American Chemical Society, 2010, 132, 5948-5949.	13.7	33
171	Glycopolymerâ€Grafted Polystyrene Nanospheres. Macromolecular Bioscience, 2011, 11, 199-210.	4.1	33
172	Charged Dendrimers Revisited: Effective Charge and Surface Potential of Dendritic Polyglycerol Sulfate. Macromolecules, 2017, 50, 4759-4769.	4.8	32
173	Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. Journal of Chemical Physics, 2018, 149, 163324.	3.0	32
174	Stability behavior of anionic spherical polyelectrolyte brushes in the presence of La(III) counterions. Physical Review E, 2010, 82, 011401.	2.1	31
175	A new time-of-flight small-angle scattering instrument at the Helmholtz-Zentrum Berlin: V16/VSANS. Journal of Applied Crystallography, 2014, 47, 237-244.	4.5	31
176	Composites of Metal Nanoparticles and TiO <sub>2</sub> Immobilized in Spherical Polyelectrolyte Brushes. Langmuir, 2010, 26, 4176-4183.	3.5	29
177	Protein binding to soft polymeric layers: a quantitative study by fluorescence spectroscopy. Soft Matter, 2012, 8, 12043.	2.7	29
178	A novel synthetic route to rigid-rod polyimides. Die Makromolekulare Chemie, 1992, 193, 1847-1858.	1.1	28
179	Spherocylindrical coacervate core micelles formed by a supramolecular coordination polymer and a diblock copolymer. Soft Matter, 2008, 4, 2207.	2.7	28
180	Shaping Colloidal Rutile into Thermally Stable and Porous Mesoscopic Titania Balls. Small, 2009, 5, 1326-1333.	10.0	28

#	Article	IF	CITATIONS
181	Crystallization-induced aggregation of block copolymer micelles: influence of crystallization kinetics on morphology. Colloid and Polymer Science, 2010, 288, 573-578.	2.1	28
182	Competitive Protein Adsorption to Soft Polymeric Layers: Binary Mixtures and Comparison to Theory. Journal of Physical Chemistry B, 2015, 119, 3250-3258.	2.6	28
183	Structure formation in polyelectrolytes induced by multivalent ions. Polymer, 2013, 54, 2028-2035.	3.8	27
184	Refractive index and swelling of thin PMMA films in CO2/MMA mixtures at elevated pressures. Fluid Phase Equilibria, 2002, 200, 147-160.	2.5	26
185	Application of Small-Angle X-Ray Scattering as a Tool for the Structural Analysis of Industrial Polymer Dispersions. Macromolecular Materials and Engineering, 2003, 288, 495-502.	3.6	25
186	Conformations and Solution Properties of Star-Branched Polyelectrolytes. Advances in Polymer Science, 2010, , 1-55.	0.8	25
187	Carbide derived carbons investigated by small angle X-ray scattering: Inner surface and porosity vs. graphitization. Carbon, 2019, 146, 284-292.	10.3	25
188	Mechanism of the Oxidation of 3,3′,5,5′â€Tetramethylbenzidine Catalyzed by Peroxidaseâ€Like Pt Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes: A Kinetic Study. ChemPhysChem, 2020, 21, 450-458.	2.1	25
189	SQUID studies of α,ι-bis[(4,4'-cyanobiphenyl)oxy]alkanes and elucidation of the orientational order parameter. Macromolecules, 1990, 23, 4122-4126.	4.8	24
190	Counterion Localization in Solutions of Starlike Polyelectrolytes and Colloidal Polyelectrolyte Brushes: A Self-Consistent Field Theory. Langmuir, 2008, 24, 10026-10034.	3.5	24
191	Facile synthesis of gold/polymer nanocomposite particles using polymeric amine-based particles as dual reductants and templates. Polymer, 2015, 76, 271-279.	3.8	24
192	Phase transitions in brushes of homopolymers. Polymer, 2016, 98, 402-408.	3.8	23
193	Interaction of human serum albumin with uremic toxins: a thermodynamic study. RSC Advances, 2017, 7, 27913-27922.	3.6	23
194	Binder-free carbon monolith cathode material for operando investigation of high performance lithium-sulfur batteries with X-ray radiography. Energy Storage Materials, 2017, 9, 96-104.	18.0	23
195	C–C Coupling Reaction of Triphenylbismuth(V) Derivatives and Olefins in the Presence of Palladium Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. European Journal of Inorganic Chemistry, 2008, 2008, 379-383.	2.0	22
196	Formation of Ultrathin Birnessite-Type Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. Chemistry of Materials, 2010, 22, 2916-2922.	6.7	22
197	Adhesion of Spherical Polyelectrolyte Brushes on Mica:Â An in Situ AFM Investigation. Langmuir, 2006, 22, 7254-7259.	3.5	20
100	Thermoresponeive colloidal molecules. Soft Matter 2010, 6, 1125	07	30

198 Thermoresponsive colloidal molecules. Soft Matter, 2010, 6, 1125.

2.7 20

#	Article	IF	CITATIONS
199	Analysis of Polymer Colloids by Smallâ€Angle Xâ€Ray and Neutron Scattering: Contrast Variation. Advanced Engineering Materials, 2011, 13, 793-802.	3.5	20
200	Composition and Properties of Complexes between Spherical Polycationic Brushes and Anionic Liposomes. Langmuir, 2012, 28, 16108-16114.	3.5	20
201	Electrophoresis and Dielectric Dispersion of Spherical Polyelectrolyte Brushes. Langmuir, 2012, 28, 16372-16381.	3.5	20
202	Interaction of Lysozyme with a Dendritic Polyelectrolyte: Quantitative Analysis of the Free Energy of Binding and Comparison to Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2019, 123, 8222-8231.	2.6	20
203	SQUID studies of main-chain polymer liquid crystals and rotational isomeric state treatment of the data. Macromolecules, 1991, 24, 2999-3003.	4.8	19
204	The kinetics of the early stage of dispersion polymerization in supercritical CO2as monitored by turbidimetric measurements, 1. Method. Macromolecular Chemistry and Physics, 2000, 201, 1532-1539.	2.2	19
205	Salt-Induced Aggregation of Polyelectrolyteâ^'Amphiphilic Dendron Complexes in THF Solutions. Langmuir, 2009, 25, 2075-2080.	3.5	19
206	Synthesis of Spherical Polyelectrolyte Brushes by Thermo ontrolled Emulsion Polymerization. Macromolecular Rapid Communications, 2010, 31, 1272-1275.	3.9	19
207	Thermosensitive Au-PNIPA yolk-shell particles as "nanoreactors―with tunable optical properties. Colloid and Polymer Science, 2013, 291, 231-237.	2.1	19
208	Thermodynamics of the Binding of Lysozyme to a Dendritic Polyelectrolyte: Electrostatics Versus Hydration. ACS Omega, 2018, 3, 9086-9095.	3.5	19
209	Thermodynamic Analysis of the Interaction of Heparin with Lysozyme. Biomacromolecules, 2020, 21, 4615-4625.	5.4	19
210	Correlations and Fluctuations of Charged Colloids as Determined by Anomalous Small-Angle X-Ray Scattering. Macromolecular Theory and Simulations, 2006, 15, 193-197.	1.4	18
211	An empirical constitutive law for concentrated colloidal suspensions in the approach of the glass transition. Rheologica Acta, 2009, 48, 747-753.	2.4	18
212	Lipid Segregation in Membranes of Anionic Liposomes Adsorbed onto Polycationic Brushes. Chemistry - A European Journal, 2013, 19, 13674-13678.	3.3	18
213	Colloidal Plastic Crystals in a Shear Field. Langmuir, 2015, 31, 5992-6000.	3.5	18
214	Reaction rate of a composite core–shell nanoreactor with multiple nanocatalysts. Physical Chemistry Chemical Physics, 2016, 18, 20758-20767.	2.8	18
215	Divergence of the third harmonic stress response to oscillatory strain approaching the glass transition. Soft Matter, 2016, 12, 8825-8832.	2.7	18
216	Investigations of rodlike polyelectrolytes in solution by small-angle x-ray scattering. Journal of Physics Condensed Matter, 2000, 12, A245-A251.	1.8	17

#	Article	IF	CITATIONS
217	Analysis of Poly(carbon suboxide) by Small-Angle X-ray Scattering. Angewandte Chemie - International Edition, 2004, 43, 5843-5846.	13.8	17
218	Synthesis and properties in solution of rodlike polyelectrolytes. Macromolecular Symposia, 2004, 211, 1-24.	0.7	17
219	Nonlinear rheology of dense colloidal dispersions: A phenomenological model and its connection to mode coupling theory. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 270-271, 232-238.	4.7	17
220	Aggregation and Phase Behavior of a Double-Chain Surfactant,N-Dodecyl-N-octyl-N-methylamine Oxide, as a Function of the Protonation Degree. Langmuir, 2007, 23, 1073-1080.	3.5	17
221	Second Harmonic Light Scattering from Spherical Polyelectrolyte Brushes. Journal of Physical Chemistry C, 2011, 115, 18302-18309.	3.1	17
222	Synthesis and Characterization of Monodisperse Thermosensitive Dumbbellâ€Shaped Microgels. Macromolecular Rapid Communications, 2012, 33, 1042-1048.	3.9	17
223	Alzheimer's peptide amyloid-β, fragment 22–40, perturbs lipid dynamics. Soft Matter, 2016, 12, 1444-1451.	2.7	17
224	Enhanced Catalytic Activity of Gold@Polydopamine Nanoreactors with Multi-compartment Structure Under NIR Irradiation. Nano-Micro Letters, 2019, 11, 83.	27.0	17
225	Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive Core–Shell Nanoreactors. Industrial & Engineering Chemistry Research, 2021, 60, 3922-3935.	3.7	17
226	Toolbox of Biodegradable Dendritic (Poly glycerol sulfate)–SS-poly(ester) Micelles for Cancer Treatment: Stability, Drug Release, and Tumor Targeting. Biomacromolecules, 2021, 22, 2625-2640.	5.4	17
227	Ultrasonic Spectrometry of Polystyrene Latex Suspensions. Scattering and Configurational Elasticity of Polymer Chains. Langmuir, 2001, 17, 1743-1751.	3.5	16
228	Flüssig-kristalline Polymere. Chemie in Unserer Zeit, 1988, 22, 63-68.	0.1	15
229	Critical fluctuations and static inhomogeneities in polymer gel volume phase transitions. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1112-1122.	2.1	15
230	Surface-Active Lipid Linings under Shear Load—A Combined in-Situ Neutron Reflectivity and ATR-FTIR Study. Langmuir, 2015, 31, 11539-11548.	3.5	15
231	Complexation of Anionic Liposomes with Spherical Polycationic Brushes. Langmuir, 2011, 27, 5310-5315.	3.5	14
232	Asymmetric self-assembly of oppositely charged composite microgels and gold nanoparticles. Soft Matter, 2012, 8, 1648-1656.	2.7	14
233	Silica-coated Au/Ag nanorods with tunable surface plasmon bands for nanoplasmonics with single particles. Colloid and Polymer Science, 2013, 291, 585-594.	2.1	14
234	Self-assembly creates 2D materials. Science, 2016, 352, 656-657.	12.6	14

#	Article	IF	CITATIONS
235	Surface structure inhibited lithiation of crystalline silicon probed with operando neutron reflectivity. Energy Storage Materials, 2019, 18, 182-189.	18.0	14
236	Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization with Different Photoinitiators. Industrial & Engineering Chemistry Research, 2011, 50, 3564-3569.	3.7	13
237	Electronic Structure of Individual Hybrid Colloid Particles Studied by Near-Edge X-ray Absorption Fine Structure (NEXAFS) Spectroscopy in the X-ray Microscope. Nano Letters, 2013, 13, 824-828.	9.1	13
238	Charge and hydration structure of dendritic polyelectrolytes: molecular simulations of polyglycerol sulphate. Soft Matter, 2018, 14, 4300-4310.	2.7	13
239	Interaction of Proteins with a Planar Poly(acrylic acid) Brush: Analysis by Quartz Crystal Microbalance with Dissipation Monitoring (QCM-D). Polymers, 2021, 13, 122.	4.5	13
240	The structure of AuPd nanoalloys anchored on spherical polyelectrolyte brushes determined by X-ray absorption spectroscopy. Faraday Discussions, 2013, 162, 45.	3.2	12
241	Thermodynamic Analysis of the Uptake of a Protein in a Spherical Polyelectrolyte Brush. Macromolecular Rapid Communications, 2020, 41, 1900421.	3.9	12
242	Interaction of Polyelectrolytes with Proteins: Quantifying the Role of Water. Advanced Science, 2021, 8, 2100661.	11.2	12
243	Analysis of Polymer Latices by Small-Angle X-Ray Scattering. Angewandte Chemie International Edition in English, 1991, 30, 1650-1652.	4.4	11
244	Radial density distribution in core-shell latexes as revealed by small-angle X-ray scattering. Macromolecular Rapid Communications, 1994, 15, 613-617.	3.9	11
245	In situ Structural Characterization of Semi-Crystalline Polymer Latex Particles by Small-Angle X-Ray Scattering. Macromolecular Chemistry and Physics, 2004, 205, 165-172.	2.2	11
246	Temperature-Induced Switching between Aggregated and Nonaggregated States in Coilâ^'Ringâ^'Coil Block Copolymers. Macromolecules, 2009, 42, 5900-5902.	4.8	11
247	The multi-domain nanoparticle structure of a universal core-multi-shell nanocarrier. Polymer, 2014, 55, 6735-6742.	3.8	11
248	Polyelectrolyte Stars and Cylindrical Brushes. Advances in Polymer Science, 2009, , 1-38.	0.8	10
249	Networks Composed of Rigid Rod Polymers. Angewandte Chemie International Edition in English, 1989, 28, 1130-1131.	4.4	9
250	Thermosensitive hollow Janus dumbbells. Colloid and Polymer Science, 2014, 292, 1785-1793.	2.1	9
251	The effect of a binder on porosity of the nanoporous RP-20 carbon. A combined study by small angle X-ray and neutron scattering. Microporous and Mesoporous Materials, 2019, 275, 139-146.	4.4	9
252	Synthesis and solution properties of rodlike polyelectrolytes. Macromolecular Symposia, 1999, 142, 43-59.	0.7	8

#	Article	IF	CITATIONS
253	Residual order in amorphous dry films of polymer latices: indications of an influence of particle interaction. Journal of Non-Crystalline Solids, 2002, 307-310, 579-583.	3.1	8
254	Micellar Spheres in a High Frequency Oscillatory Field. Langmuir, 2006, 22, 6814-6817.	3.5	8
255	Self-Assembly of Charged Surfactants: Full Comparison of Molecular Simulations and Scattering Experiments. Langmuir, 2012, 28, 17632-17641.	3.5	8
256	Nonequilibrium structure of colloidal dumbbells under oscillatory shear. Physical Review E, 2015, 92, 052311.	2.1	8
257	More friction for polyelectrolyte brushes. Science, 2018, 360, 1399-1400.	12.6	8
258	Wechselwirkung von Polyelektrolytâ€Architekturen mit Proteinen und Biosystemen. Angewandte Chemie, 2021, 133, 3926-3950.	2.0	8
259	A fluorescence correlation spectroscopy study of macromolecular tracer diffusion in polymer solutions. Journal of Physics Condensed Matter, 2010, 22, 494111.	1.8	7
260	Poly-acrylic Acid Brushes and Adsorbed Proteins. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1119-1139.	2.8	6
261	Carbonaceous Materials Investigated by Small-Angle X-ray and Neutron Scattering. Journal of Carbon Research, 2020, 6, 82.	2.7	6
262	Structural analysis of colloidal MnO x composites. Colloid and Polymer Science, 2013, 291, 469-481.	2.1	5
263	Cationic colloid–anionic liposome–protein ternary complex: formation, properties, and biomedical importance. Mendeleev Communications, 2018, 28, 326-328.	1.6	5
264	Solid Electrolyte Interphase Layer Formation during Lithiation of Single-Crystal Silicon Electrodes with a Protective Aluminum Oxide Coating. ACS Applied Materials & Interfaces, 2021, 13, 21241-21249.	8.0	5
265	Interaction of Linear Polyelectrolytes with Proteins: Role of Specific Charge–Charge Interaction and Ionic Strength. Biomolecules, 2021, 11, 1377.	4.0	5
266	Anomalous small-angle x-ray scattering from mesoporous noble metal catalysts. Colloid and Polymer Science, 2013, 291, 2163-2171.	2.1	4
267	Morphological evolution of a single crystal silicon battery electrode during lithiation and delithiation: An operando phase-contrast imaging study. Energy Storage Materials, 2020, 32, 377-385.	18.0	4
268	A Simple and Robust Method to Prepare Polyelectrolyte Brushes on Polymer Surfaces. Advanced Materials Interfaces, 2022, 9, .	3.7	4
269	Anisotropic nanoparticles of precise microstructure polyolefins. Chemical Communications, 2012, 48, 9153.	4.1	3
270	Polymer Liquid Crystals Forming Biaxial Nematic Phases. Angewandte Chemie International Edition in English, 1988, 27, 753-753.	4.4	2

#	Article	IF	CITATIONS
271	Spherical Polyelectrolyte Brushes. , 2005, , 231-248.		2
272	Giant hollow fiber formation through self-assembly of oppositely charged polyelectrolyte brushes and gold nanoparticles. Soft Matter, 2013, 9, 9111.	2.7	2
273	Polymer brushes. Polymer, 2016, 98, 387-388.	3.8	2
274	Stability of human serum albumin structure upon toxin uptake explored by small angle neutron scattering. Polymer, 2018, 141, 175-183.	3.8	2
275	Denaturation of proteins: electrostatic effects <i>vs.</i> hydration. RSC Advances, 2022, 12, 10105-10113.	3.6	2
276	Magnetic Birefringence of a Series of Nematogenic Compounds. The Journal of Physical Chemistry, 1994, 98, 4094-4097.	2.9	1
277	Structural investigations on polymer latices by smallâ€angle xâ€ray scattering. Macromolecular Symposia, 1994, 87, 93-101.	0.7	1
278	Analysis of the conformation of wormlike chains by combination of smallâ€angle xâ€ray and smallâ€angle neutron scattering. Macromolecular Symposia, 1997, 118, 683-692.	0.7	1
279	Thermosensitive Core-Shell Microgel as a "Nanoreactor―for Metal Nanoparticles. Materials Research Society Symposia Proceedings, 2009, 1234, 1.	0.1	1
280	Polyelectrolyte Stars and Cylindrical Brushes Made by ATRP: New Building Blocks in Nanotechnology. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 17-36.	0.5	1
281	Dendrimers in Solution: Insight from Theory and Simulation. ChemInform, 2004, 35, no.	0.0	0
282	Equilibrium Structure of Dendrimers: Results and Open Questions. ChemInform, 2005, 36, no.	0.0	0
283	Happy Birthday, MRC - Off to New Horizons. Macromolecular Rapid Communications, 2009, 30, 217-220.	3.9	0
284	Tribute to Axel Müller on the occasion of his 65th birthday. Polymer, 2012, 53, 1803-1804.	3.8	0
285	Core-Shell Microgels as Nanoreactors. , 2013, , 113-130.		0
286	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARSâ€CoVâ€2â€Infektion**. Angewandte Chemie, 2021, 133, 16005-16014.	2.0	0
287	Adsorption/Desorption Behavior of Charged Polymer Nanoparticles on a Mineral Surface in an Aqueous Environment. , 2010, , 81-102.		0