

Walter Richtering

List of Publications by Year in descending order

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papers

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343
times ranked

12960
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature sensitive microgel suspensions: Colloidal phase behavior and rheology of soft spheres. <i>Journal of Chemical Physics</i> , 1999, 111, 1705-1711.	1.2	602
2	Controlling Shear Stress in 3D Bioprinting is a Key Factor to Balance Printing Resolution and Stem Cell Integrity. <i>Advanced Healthcare Materials</i> , 2016, 5, 326-333.	3.9	571
3	Functional Microgels and Microgel Systems. <i>Accounts of Chemical Research</i> , 2017, 50, 131-140.	7.6	537
4	Small-angle neutron scattering study of structural changes in temperature sensitive microgel colloids. <i>Journal of Chemical Physics</i> , 2004, 120, 6197-6206.	1.2	501
5	Nanogels and Microgels: From Model Colloids to Applications, Recent Developments, and Future Trends. <i>Langmuir</i> , 2019, 35, 6231-6255.	1.6	395
6	Influence of cross-link density on rheological properties of temperature-sensitive microgel suspensions. <i>Colloid and Polymer Science</i> , 2000, 278, 830-840.	1.0	317
7	Nanoparticle-Based Test Measures Overall Propensity for Calcification in Serum. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1744-1752.	3.0	275
8	Are Thermoresponsive Microgels Model Systems for Concentrated Colloidal Suspensions? A Rheology and Small-Angle Neutron Scattering Study. <i>Langmuir</i> , 2004, 20, 7283-7292.	1.6	247
9	Responsive Emulsions Stabilized by Stimuli-Sensitive Microgels: Emulsions with Special Non-Pickering Properties. <i>Langmuir</i> , 2012, 28, 17218-17229.	1.6	247
10	Doubly Temperature Sensitive Core-Shell Microgels. <i>Macromolecules</i> , 2003, 36, 8780-8785.	2.2	229
11	Precise measurement of diffusion by multi-color dual-focus fluorescence correlation spectroscopy. <i>Europhysics Letters</i> , 2008, 83, 46001.	0.7	229
12	Hierarchical Role of Fetuin-A and Acidic Serum Proteins in the Formation and Stabilization of Calcium Phosphate Particles. <i>Journal of Biological Chemistry</i> , 2008, 283, 14815-14825.	1.6	194
13	Microgels as Stimuli-Responsive Stabilizers for Emulsions. <i>Langmuir</i> , 2008, 24, 12202-12208.	1.6	182
14	Magnetic, Thermosensitive Microgels as Stimuli-Responsive Emulsifiers Allowing for Remote Control of Separability and Stability of Oil in Water-Emulsions. <i>Advanced Materials</i> , 2007, 19, 2973-2978.	11.1	181
15	Unraveling the 3D Localization and Deformation of Responsive Microgels at Oil/Water Interfaces: A Step Forward in Understanding Soft Emulsion Stabilizers. <i>Langmuir</i> , 2012, 28, 15770-15776.	1.6	178
16	Structure of Multiresponsive α -Intelligent-Core-Shell Microgels. <i>Journal of the American Chemical Society</i> , 2005, 127, 9372-9373.	6.6	174
17	Microgel-Stabilized Smart Emulsions for Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 576-579.	7.2	173
18	Rheology of a Temperature Sensitive Core-Shell Latex. <i>Langmuir</i> , 1999, 15, 102-106.	1.6	162

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19	Temperature-Sensitive Core-Shell Microgel Particles with Dense Shell. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1737-1741.	7.2	155
20	Microgels by Precipitation Polymerization: Synthesis, Characterization, and Functionalization. <i>Advances in Polymer Science</i> , 2010, , 1-37.	0.4	150
21	Emulsions Stabilized by Stimuli-Sensitive Poly(<i>N</i> -isopropylacrylamide)- <i>co</i> -Methacrylic Acid Polymers: Microgels versus Low Molecular Weight Polymers. <i>Langmuir</i> , 2008, 24, 7769-7777.	1.6	147
22	Influence of Microgel Architecture and Oil Polarity on Stabilization of Emulsions by Stimuli-Sensitive Core-Shell Poly(<i>N</i> -isopropylacrylamide- <i>co</i> -methacrylic acid) Microgels: Mlickering versus Pickering Behavior?. <i>Langmuir</i> , 2011, 27, 9801-9806.	1.6	145
23	Dual-stimuli responsive PNiPAM microgel achieved via layer-by-layer assembly: Magnetic and thermoresponsive. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 47-54.	5.0	127
24	Cononsolvency of poly-N-isopropyl acrylamide (PNIPAM): Microgels versus linear chains and macrogels. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 84-94.	3.4	125
25	Adsorption of microgels at an oil-water interface: correlation between packing and 2D elasticity. <i>Soft Matter</i> , 2014, 10, 6963-6974.	1.2	123
26	Influence of Shell Thickness and Cross-Link Density on the Structure of Temperature-Sensitive Poly-N-Isopropylacrylamide~Poly-N-Isopropylmethacrylamide~Shell Microgels Investigated by Small-Angle Neutron Scattering. <i>Langmuir</i> , 2006, 22, 459-468.	1.6	122
27	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1988, 189, 911-925.	1.1	121
28	Shear-Induced Formation of Multilamellar Vesicles (Onions) in Block Copolymers. <i>Langmuir</i> , 1999, 15, 2599-2602.	1.6	114
29	Magnesium ions and alginate do form hydrogels: a rheological study. <i>Soft Matter</i> , 2012, 8, 4877.	1.2	114
30	Interfacial layers of stimuli-responsive poly-(N-isopropylacrylamide- <i>co</i> -methacrylic acid) (PNIPAM- <i>co</i> -MAA) microgels characterized by interfacial rheology and compression isotherms. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14573.	1.3	111
31	Dual-Stimuli-Sensitive Microgels as a Tool for Stimulated Spongelike Adsorption of Biomaterials for Biosensor Applications. <i>Biomacromolecules</i> , 2014, 15, 3735-3745.	2.6	110
32	Mechanics versus Thermodynamics: Swelling in Multiple-Temperature-Sensitive Core-Shell Microgels. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1081-1085.	7.2	103
33	Non-coalescence of oppositely charged droplets in pH-sensitive emulsions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 384-389.	3.3	103
34	Temperature Sensitive Copolymer Microgels with Nanophase Separated Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 3093-3097.	6.6	100
35	Polyampholyte Microgels with Anionic Core and Cationic Shell. <i>Macromolecules</i> , 2010, 43, 4331-4339.	2.2	100
36	Fully Tunable Silicon Nanowire Arrays Fabricated by Soft Nanoparticle Templating. <i>Nano Letters</i> , 2016, 16, 157-163.	4.5	98

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37	The Colloidal Suprastructure of Smart Microgels at Oil/Water Interfaces. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3978-3981.	7.2	97
38	Gel architectures and their complexity. <i>Soft Matter</i> , 2014, 10, 3695-3702.	1.2	97
39	Isostructural solid/solid phase transition in monolayers of soft core-shell particles at fluid interfaces: structure and mechanics. <i>Soft Matter</i> , 2016, 12, 3545-3557.	1.2	97
40	Influence of Polymerization Conditions on the Structure of Temperature-Sensitive Poly(N-isopropylacrylamide) Microgels. <i>Macromolecules</i> , 2005, 38, 1517-1519.	2.2	96
41	Hollow and Core-Shell Microgels at Oil/Water Interfaces: Spreading of Soft Particles Reduces the Compressibility of the Monolayer. <i>Langmuir</i> , 2015, 31, 13145-13154.	1.6	93
42	Poly(N-isopropylacrylamide) microgels at the oil/water interface: adsorption kinetics. <i>Soft Matter</i> , 2013, 9, 9939.	1.2	92
43	Cononsolvency of Poly(N-vinyl-2-pyrrolidone, N-vinyl-diethylacrylamide) (PDEAAM) and Poly(N-vinyl-isopropylacrylamide) (PNIPAM) Based Microgels in Water/Methanol Mixtures: Copolymer vs Core-Shell Microgel. <i>Macromolecules</i> , 2010, 43, 6829-6833.	2.2	91
44	Interplay between Hydrogen Bonding and Macromolecular Architecture Leading to Unusual Phase Behavior in Thermosensitive Microgels. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 338-341.	7.2	90
45	Layer-by-Layer Assembly of Polyelectrolyte Multilayers on Thermoresponsive P(NiPAM-co-MAA) Microgel: Effect of Ionic Strength and Molecular Weight. <i>Macromolecules</i> , 2009, 42, 1229-1238.	2.2	90
46	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016, 16, 7295-7301.	4.5	90
47	Time-resolved structural evolution during the collapse of responsive hydrogels: The microgel-to-particle transition. <i>Science Advances</i> , 2018, 4, eaao7086.	4.7	90
48	Exploring the colloid-to-polymer transition for ultra-low crosslinked microgels from three to two dimensions. <i>Nature Communications</i> , 2019, 10, 1418.	5.8	90
49	Multi-Shell Hollow Nanogels with Responsive Shell Permeability. <i>Scientific Reports</i> , 2016, 6, 22736.	1.6	89
50	Electrostatic Interactions and Osmotic Pressure of Counterions Control the pH-Dependent Swelling and Collapse of Polyampholyte Microgels with Random Distribution of Ionizable Groups. <i>Macromolecules</i> , 2015, 48, 5914-5927.	2.2	88
51	Structural Ordering and Phase Behavior of Charged Microgels. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14692-14697.	1.2	87
52	Temperature dependent phase behavior of PNIPAM microgels in mixed water/methanol solvents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1100-1111.	2.4	87
53	Hydrodynamic and Colloidal Interactions in Concentrated Charge-Stabilized Polymer Dispersions. <i>Journal of Colloid and Interface Science</i> , 2000, 225, 166-178.	5.0	86
54	Rheology and shear induced structures in surfactant solutions. <i>Current Opinion in Colloid and Interface Science</i> , 2001, 6, 446-450.	3.4	86

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55	Shape-Selective Synthesis of Palladium Nanoparticles Stabilized by Highly Branched Amphiphilic Polymers. <i>Advanced Functional Materials</i> , 2004, 14, 999-1004.	7.8	81
56	Thermodynamic and hydrodynamic interaction in concentrated microgel suspensions: Hard or soft sphere behavior?. <i>Journal of Chemical Physics</i> , 2008, 129, 124902.	1.2	81
57	Does Floryâ€Rehner theory quantitatively describe the swelling of thermoresponsive microgels?. <i>Soft Matter</i> , 2017, 13, 8271-8280.	1.2	80
58	Pathway of the Shear-Induced Transition between Planar Lamellae and Multilamellar Vesicles as Studied by Time-Resolved Scattering Techniques. <i>Langmuir</i> , 2003, 19, 3603-3618.	1.6	79
59	Influence of Shear on Lyotropic Lamellar Phases with Different Membrane Defects. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2841-2849.	1.2	78
60	Influence of Architecture on the Interaction of Negatively Charged Multisensitive Poly(<i>N</i> -isopropylacrylamide)- <i>co</i> -Methacrylic Acid Microgels with Oppositely Charged Polyelectrolyte: Absorption vs Adsorption. <i>Langmuir</i> , 2010, 26, 11258-11265.	1.6	78
61	The Compressibility of pH-Sensitive Microgels at the Oil-Water Interface: Higher Charge Leads to Less Repulsion. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4905-4909.	7.2	78
62	Nonionic Amphiphilic Bilayer Structures under Shear. <i>Langmuir</i> , 2001, 17, 999-1008.	1.6	76
63	Conosolvency Revisited: Solvent Entrapment by <i>N</i> -Isopropylacrylamide and <i>N,N</i> -Diethylacrylamide Microgels in Different Water/Methanol Mixtures. <i>Macromolecules</i> , 2013, 46, 523-532.	2.2	73
64	Shear induced structures in lamellar phases of amphiphilic block copolymers. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 3905-3910.	1.3	72
65	Cylindrical intermediates in a shear-induced lamellar-to-vesicle transition. <i>Europhysics Letters</i> , 2001, 53, 335-341.	0.7	72
66	Nanoscope Visualization of Cross-Linking Density in Polymer Networks with Diarylethene Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12280-12284.	7.2	72
67	Layer-by-layer assembly of a magnetic nanoparticle shell on a thermoresponsive microgel core. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 219-223.	1.0	70
68	Shear-induced orientations in a lyotropic defective lamellar phase. <i>Europhysics Letters</i> , 1998, 43, 683-689.	0.7	69
69	Magnetic Capsules and Pickering Emulsions Stabilized by Core-Shell Particles. <i>Langmuir</i> , 2009, 25, 7335-7341.	1.6	69
70	The special behaviours of responsive core-shell nanogels. <i>Soft Matter</i> , 2012, 8, 11423.	1.2	69
71	Layer-by-layer assembly on stimuli-responsive microgels. <i>Current Opinion in Colloid and Interface Science</i> , 2008, 13, 403-412.	3.4	68
72	Hyperbranched Polymers: Structure of Hyperbranched Polyglycerol and Amphiphilic Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	67

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73	Synergistic depression of volume phase transition temperature in copolymer microgels. <i>Colloid and Polymer Science</i> , 2006, 285, 471-474.	1.0	67
74	Persulfate initiated ultra-low cross-linked poly(N-isopropylacrylamide) microgels possess an unusual inverted cross-linking structure. <i>Soft Matter</i> , 2016, 12, 3919-3928.	1.2	67
75	Light scattering from aqueous solutions of a nonionic surfactant (C14E8) in a wide concentration range. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6032-6040.	2.9	66
76	Dynamic light scattering from polymer solutions. , 1989, , 151-163.		66
77	Shear-Induced Phase Separation in Aqueous Polymer Solutions: A Temperature-Sensitive Microgels and Linear Polymer Chains. <i>Macromolecules</i> , 2003, 36, 8811-8818.	2.2	66
78	The role of the N-terminal domain in dimerization and nucleocytoplasmic shuttling of latent STAT3. <i>Journal of Cell Science</i> , 2011, 124, 900-909.	1.2	66
79	Highly ordered 2D microgel arrays: compression versus self-assembly. <i>Soft Matter</i> , 2014, 10, 7968-7976.	1.2	66
80	Core-Shell and Hollow Double-Shell Microgels with Advanced Temperature Responsiveness. <i>Macromolecular Rapid Communications</i> , 2015, 36, 159-164.	2.0	66
81	Compression and deposition of microgel monolayers from fluid interfaces: particle size effects on interface microstructure and nanolithography. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8671-8680.	1.3	66
82	Gel point in physical gels: rheology and light scattering from thermoreversibly gelling schizophyllan. <i>Polymer Gels and Networks</i> , 1998, 5, 541-559.	0.6	64
83	Shear Orientation of a Hexagonal Lyotropic Triblock Copolymer Phase As Probed by Flow Birefringence and Small-Angle Light and Neutron Scattering. <i>Macromolecules</i> , 1998, 31, 2293-2298.	2.2	64
84	Copolymer Microgels from Mono- and Disubstituted Acrylamides: Phase Behavior and Hydrogen Bonds. <i>Macromolecules</i> , 2008, 41, 6830-6836.	2.2	63
85	Shear Orientation of Lyotropic Hexagonal Phases. <i>Journal of Physical Chemistry B</i> , 1998, 102, 507-513.	1.2	62
86	Structure-Property Relationship in Stimulus-Responsive Bolaamphiphile Hydrogels. <i>Langmuir</i> , 2007, 23, 7715-7723.	1.6	61
87	From Batch to Continuous Precipitation Polymerization of Thermoresponsive Microgels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24799-24806.	4.0	61
88	Influence of Water-Soluble Polymers on the Shear-Induced Structure Formation in Lyotropic Lamellar Phases. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11081-11088.	1.2	60
89	Deswelling of Microgels in Crowded Suspensions Depends on Cross-Link Density and Architecture. <i>Macromolecules</i> , 2019, 52, 3995-4007.	2.2	60
90	Nanoparticles in the Biological Context: Surface Morphology and Protein Corona Formation. <i>Small</i> , 2020, 16, e2002162.	5.2	60

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91	Swelling of a Responsive Network within Different Constraints in Multi-Thermosensitive Microgels. <i>Macromolecules</i> , 2018, 51, 2662-2671.	2.2	58
92	Mechanical properties of temperature sensitive microgel/polyacrylamide composite hydrogels from soft to hard fillers. <i>Soft Matter</i> , 2012, 8, 4254.	1.2	57
93	How Hollow Are Thermo-responsive Hollow Nanogels?. <i>Macromolecules</i> , 2014, 47, 8700-8708.	2.2	56
94	Poly(N-isopropylacrylamide) microgels at the oil/water interface: temperature effect. <i>Soft Matter</i> , 2014, 10, 6182-6191.	1.2	56
95	Fundamental Study of Emulsions Stabilized by Soft and Rigid Particles. <i>Langmuir</i> , 2015, 31, 6282-6288.	1.6	56
96	Effect of brighteners on hydrogen evolution during zinc electroplating from zincate electrolytes. <i>Journal of Applied Electrochemistry</i> , 1998, 28, 1107-1112.	1.5	53
97	Polymer dynamics in responsive microgels: influence of consolvency and microgel architecture. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2762.	1.3	53
98	Mixing of Two Immiscible Liquids within the Polymer Microgel Adsorbed at Their Interface. <i>ACS Macro Letters</i> , 2016, 5, 612-616.	2.3	53
99	An anionic shell shields a cationic core allowing for uptake and release of polyelectrolytes within core-shell responsive microgels. <i>Soft Matter</i> , 2018, 14, 4287-4299.	1.2	52
100	Easy-Preparable Butyrylcholinesterase/Microgel Construct for Facilitated Organophosphate Biosensing. <i>Analytical Chemistry</i> , 2017, 89, 6091-6098.	3.2	51
101	Behavior of Temperature-Responsive Copolymer Microgels at the Oil/Water Interface. <i>Langmuir</i> , 2014, 30, 7660-7669.	1.6	50
102	Rheo-small-Angle-Light-Scattering Investigation of Shear-Induced Structural Changes in a Lyotropic Lamellar Phase. <i>Journal of Colloid and Interface Science</i> , 1996, 181, 521-529.	5.0	48
103	Relationship between short-time self-diffusion and high-frequency viscosity in charge-stabilized dispersions. <i>Physical Review E</i> , 1998, 58, R4088-R4091.	0.8	48
104	Core-Shell-Structured Highly Branched Poly(ethylenimine amide)s: Synthesis and Structure. <i>Macromolecules</i> , 2005, 38, 5914-5920.	2.2	48
105	Spatially Resolved Tracer Diffusion in Complex Responsive Hydrogels. <i>Journal of the American Chemical Society</i> , 2012, 134, 15963-15969.	6.6	48
106	Spontaneous Assembly of Miktoarm Stars into Vesicular Interpolyelectrolyte Complexes. <i>Macromolecular Rapid Communications</i> , 2013, 34, 855-860.	2.0	48
107	How Softness Matters in Soft Nanogels and Nanogel Assemblies. <i>Chemical Reviews</i> , 2022, 122, 11675-11700.	23.0	48
108	Effect of the 3D Swelling of Microgels on Their 2D Phase Behavior at the Liquid-Liquid Interface. <i>Langmuir</i> , 2019, 35, 16780-16792.	1.6	47

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109	Progress in thick-film pad printing technique for solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2001, 65, 399-407.	3.0	46
110	Influence of Shear on Solvated Amphiphilic Block Copolymers with Lamellar Morphology. <i>Macromolecules</i> , 2002, 35, 4064-4074.	2.2	46
111	Hollow microgels squeezed in overcrowded environments. <i>Journal of Chemical Physics</i> , 2018, 148, 174903.	1.2	46
112	Rheology and Shear Orientation of a Nematic Liquid Crystalline Side-Group Polymer with Laterally Attached Mesogenic Units. <i>Macromolecules</i> , 1997, 30, 7574-7581.	2.2	45
113	Solution Structure of Metal Particles Prepared in Unimolecular Reactors of Amphiphilic Hyperbranched Macromolecules. <i>Macromolecules</i> , 2004, 37, 7893-7900.	2.2	45
114	Cononsolvency of mono- and di-alkyl N-substituted poly(acrylamide)s and poly(vinyl caprolactam). <i>Polymer</i> , 2015, 62, 50-59.	1.8	45
115	A model describing the internal structure of core/shell hydrogels. <i>Soft Matter</i> , 2011, 7, 10327.	1.2	44
116	Tunable 2D binary colloidal alloys for soft nanotemplating. <i>Nanoscale</i> , 2018, 10, 22189-22195.	2.8	44
117	Formation and stability kinetics of calcium phosphate "fetuin-A colloidal particles probed by time-resolved dynamic light scattering. <i>Soft Matter</i> , 2011, 7, 2869.	1.2	43
118	New Insight into Microgel-Stabilized Emulsions Using Transmission X-ray Microscopy: Nonuniform Deformation and Arrangement of Microgels at Liquid Interfaces. <i>Langmuir</i> , 2015, 31, 83-89.	1.6	43
119	Synthesis and structure of deuterated ultra-low cross-linked poly(N-isopropylacrylamide) microgels. <i>Polymer Chemistry</i> , 2019, 10, 2397-2405.	1.9	43
120	Electrochemical reactivity of ordered and disordered GaAs(110) surfaces. A combined XPS, LEED and electrochemical study. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1987, 91, 412-416.	0.9	42
121	Comparison of the Effective Radius of Sterically Stabilized Latex Particles Determined by Small-Angle X-ray Scattering and by Zero Shear Viscosity. <i>Langmuir</i> , 1998, 14, 5083-5087.	1.6	42
122	Rheo-optical investigations of lyotropic mesophases of polymeric surfactants. <i>Rheologica Acta</i> , 1999, 38, 486-494.	1.1	42
123	Rearrangements in and Release from Responsive Microgel~Polyelectrolyte Complexes Induced by Temperature and Time. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3804-3810.	1.2	42
124	Toward Copolymers with Ideal Thermosensitivity: Solution Properties of Linear, Well-Defined Polymers of N-Isopropyl Acrylamide and N-Diethyl Acrylamide. <i>Macromolecules</i> , 2012, 45, 8021-8026.	2.2	42
125	Unperturbed Volume Transition of Thermosensitive Poly-(N-isopropylacrylamide) Microgel Particles Embedded in a Hydrogel Matrix. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6309-6314.	1.2	41
126	Polyelectrolyte microgels based on poly-N-isopropylacrylamide: influence of charge density on microgel properties, binding of poly-diallyldimethylammonium chloride, and properties of polyelectrolyte complexes. <i>Colloid and Polymer Science</i> , 2011, 289, 739-749.	1.0	41

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127	Cononsolvency of Water/Methanol Mixtures for PNIPAM and PS- <i>b</i> -PNIPAM: Pathway of Aggregate Formation Investigated Using Time-Resolved SANS. <i>Macromolecules</i> , 2014, 47, 6867-6879.	2.2	40
128	Cononsolvency Effects on the Structure and Dynamics of Microgels. <i>Macromolecules</i> , 2014, 47, 5982-5988.	2.2	40
129	Kinetics and particle size control in non-stirred precipitation polymerization of N-isopropylacrylamide. <i>Colloid and Polymer Science</i> , 2014, 292, 1743-1756.	1.0	40
130	Polymers in focus: fluorescence correlation spectroscopy. <i>Colloid and Polymer Science</i> , 2014, 292, 2399-2411.	1.0	39
131	Engineering Systems with Spatially Separated Enzymes via Dual-Stimuli-Sensitive Properties of Microgels. <i>Langmuir</i> , 2015, 31, 13029-13039.	1.6	39
132	Amphiphilic Arborescent Copolymers and Microgels: From Unimolecular Micelles in a Selective Solvent to the Stable Monolayers of Variable Density and Nanostructure at a Liquid Interface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31302-31316.	4.0	39
133	Stiffness Tomography of Ultra-Soft Nanogels by Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2280-2287.	7.2	39
134	Reversible size of shear-induced multi-lamellar vesicles. <i>Colloid and Polymer Science</i> , 2005, 284, 317-321.	1.0	38
135	Size and viscoelasticity of spatially confined multilamellar vesicles. <i>European Physical Journal E</i> , 2006, 19, 139-148.	0.7	38
136	Magnetic Nanoparticles Encapsulated Within a Thermoresponsive Polymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5355-5361.	0.9	38
137	Distribution of Ionizable Groups in Polyampholyte Microgels Controls Interactions with Captured Proteins: From Blockade and "Levitation" to Accelerated Release. <i>Biomacromolecules</i> , 2019, 20, 1578-1591.	2.6	38
138	Shear Orientation of a Micellar Hexagonal Liquid Crystalline Phase: A Rheo and Small Angle Light Scattering Study. <i>Langmuir</i> , 1994, 10, 4374-4379.	1.6	37
139	Defined Complexes of Negatively Charged Multisensitive Poly(<i>N</i> -isopropylacrylamide- <i>co</i> -methacrylic acid) Microgels and Poly(diallyldimethylammonium chloride). <i>Macromolecules</i> , 2008, 41, 1785-1790.	2.2	37
140	Magnetic Nanoparticle-Polyelectrolyte Interaction: A Layered Approach for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4033-4040.	0.9	37
141	Could multiresponsive hollow shell-shell nanocontainers offer an improved strategy for drug delivery?. <i>Nanomedicine</i> , 2016, 11, 2879-2883.	1.7	37
142	Waterborne physically crosslinked antimicrobial nanogels. <i>Polymer Chemistry</i> , 2016, 7, 364-369.	1.9	37
143	Direct Evidence of Layer-by-Layer Assembly of Polyelectrolyte Multilayers on Soft and Porous Temperature-Sensitive PNiPAM Microgel Using Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8527-8531.	1.2	36
144	Composite hydrogels with temperature sensitive heterogeneities: influence of gel matrix on the volume phase transition of embedded poly-(N-isopropylacrylamide) microgels. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3039-3047.	1.3	36

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145	Quaternized microgels as soft templates for polyelectrolyte layer-by-layer assemblies. <i>Polymer</i> , 2014, 55, 1991-1999.	1.8	36
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