Walter Richtering

List of Publications by Year
in descending order

324	17,083	68	112
papers	citations	h-index	g-index
		13099	22832

343	343	343	11443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anisotropic Microgels Show Their Soft Side. Langmuir, 2022, 38, 5063-5080.	3.5	11
2	Cononsolvency of thermoresponsive polymers: where we are now and where we are going. Soft Matter, 2022, 18, 2884-2909.	2.7	28
3	Interfacial Assembly of Anisotropic Coreâ€“Shell and Hollow Microgels. Langmuir, 2022, 38, 4351-4363.	3.5	13
4	Cu2+ tunable temperature-responsive Pickering foams stabilized by poly (N-isopropylacrylamide-co-vinyl imidazole) microgel: Significance for Cu2+ recovery via flotation. Chemical Engineering Journal, 2022, 442, 136274.	12.7	9
5	Microgels react to force: mechanical properties, syntheses, and force-activated functions. Chemical Society Reviews, 2022, 51, 2939-2956.	38.1	23
6	Microgels in Tandem with Enzymes: Tuning Adsorption of a pHâ€•and Thermoresponsive Microgel for Improved Design of Enzymatic Biosensors. Advanced Materials Interfaces, 2022, 9, .	3.7	11
7	Preface to the FranÃ§oise M. Winnik Special Issue. Langmuir, 2022, 38, 5031-5032.	3.5	0
8	Photo- and thermo-responsive microgels with supramolecular crosslinks for wavelength tunability of the volume phase transition temperature. Physical Chemistry Chemical Physics, 2022, 24, 14408-14415.	2.8	2
9	How Softness Matters in Soft Nanogels and Nanogel Assemblies. Chemical Reviews, 2022, 122, 11675-11700.	47.7	48
10	In-situ study of the impact of temperature and architecture on the interfacial structure of microgels. Nature Communications, 2022, 13, .	12.8	19
11	Resolving the different bulk moduli within individual soft nanogels using small-angle neutron scattering. Science Advances, 2022, 8, .	10.3	13
12	Stiffness Tomography of Ultraâ€Soft Nanogels by Atomic Force Microscopy. Angewandte Chemie, 2021, 133, 2310-2317.	2.0	4
13	Stiffness Tomography of Ultraâ€Soft Nanogels by Atomic Force Microscopy. Angewandte Chemie - International Edition, 2021, 60, 2280-2287.	13.8	39
14	Temperature-sensitive soft microgels at interfaces: airâ€“water versus oilâ€“water. Soft Matter, 2021, 17, 976-988.	2.7	29
15	Loading of doxorubicin into surface-attached stimuli-responsive microgels and its subsequent release under different conditions. Polymer, 2021, 213, 123227.	3.8	17
16	Frontispiece: Stiffness Tomography of Ultraâ€Soft Nanogels by Atomic Force Microscopy. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
17	Is the Microgel Collapse a Two-Step Process? Exploiting Cononsolvency to Probe the Collapse Dynamics of Poly-<i>N</i>-isopropylacrylamide (pNIPAM). Journal of Physical Chemistry B, 2021, 125, 1503-1512.	2.6	10
18	Adsorption dynamics of thermoresponsive microgels with incorporated short oligo(ethylene glycol) chains at the oilâ€“water interface. Soft Matter, 2021, 17, 6127-6139.	2.7	6

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19	Frontispiz: Stiffness Tomography of Ultraâ€Soft Nanogels by Atomic Force Microscopy. Angewandte Chemie, 2021, 133, .	2.0	0
20	Absence of crystals in the phase behavior of hollow microgels. Physical Review E, 2021, 103, 022612.	2.1	10
21	Diffusion and Viscosity of Unentangled Polyelectrolytes. Macromolecules, 2021, 54, 8088-8103.	4.8	14
22	Oscillatory rheology of carboxymethyl cellulose gels: Influence of concentration and pH. Carbohydrate Polymers, 2021, 267, 118117.	10.2	34
23	Temperature-induced unloading of liposomes bound to microgels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127590.	4.7	1
24	Interactions between a responsive microgel monolayer and a rigid colloid: from soft to hard interfaces. Physical Chemistry Chemical Physics, 2021, 23, 16754-16766.	2.8	6
25	Solution Properties of Polyelectrolytes with Divalent Counterions. Macromolecules, 2021, 54, 10583-10593.	4.8	5
26	Electrostatic expansion of polyelectrolyte microgels: Effect of solvent quality and added salt. Journal of Colloid and Interface Science, 2020, 558, 200-210.	9.4	25
27	Synthesis of Polyampholyte Janusâ€like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization. Angewandte Chemie - International Edition, 2020, 59, 1248-1255.	13.8	26
28	RÃ¼cktitelbild: Synthesis of Polyampholyte Janusâ€like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization (Angew. Chem. 3/2020). Angewandte Chemie, 2020, 132, 1372-1372.	2.0	0
29	Tailoring the Cavity of Hollow Polyelectrolyte Microgels. Macromolecular Rapid Communications, 2020, 41, e1900422.	3.9	17
30	Synthesis of Polyampholyte Janusâ€like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization. Angewandte Chemie, 2020, 132, 1264-1271.	2.0	3
31	Microgel organocatalysts: modulation of reaction rates at liquidâ€“liquid interfaces. Materials Advances, 2020, 1, 2983-2993.	5.4	15
32	Synthesis and structure of temperature-sensitive nanocapsules. Colloid and Polymer Science, 2020, 298, 1179-1185.	2.1	6
33	Influence of Charges on the Behavior of Polyelectrolyte Microgels Confined to Oilâ€“Water Interfaces. Langmuir, 2020, 36, 11079-11093.	3.5	22
34	Nanoparticles in the Biological Context: Surface Morphology and Protein Corona Formation. Small, 2020, 16, e2002162.	10.0	60
35	Phase behavior of ultrasoft spheres show stable bcc lattices. Physical Review E, 2020, 102, 052602.	2.1	19
36	Scavenging One of the Liquids versus Emulsion Stabilization by Microgels in a Mixture of Two Immiscible Liquids. ACS Macro Letters, 2020, 9, 736-742.	4.8	11

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37	Influence of Size and Cross-Linking Density of Microgels on Cellular Uptake and Uptake Kinetics. Biomacromolecules, 2020, 21, 4532-4544.	5.4	36
38	Screening lengths and osmotic compressibility of flexible polyelectrolytes in excess salt solutions. Soft Matter, 2020, 16, 7289-7298.	2.7	14
39	Scaling laws of entangled polysaccharides. Carbohydrate Polymers, 2020, 234, 115886.	10.2	13
40	Compression and Ordering of Microgels in Monolayers Formed at Liquidâ€"Liquid Interfaces: Computer Simulation Studies. ACS Applied Materials & Interfaces, 2020, 12, 19903-19915.	8.0	15
41	Flow properties reveal the particle-to-polymer transition of ultra-low crosslinked microgels. Soft Matter, 2020, 16, 668-678.	2.7	31
42	Fluctuation suppression in microgels by polymer electrolytes. Structural Dynamics, 2020, 7, 034302.	2.3	1
43	The Swelling of Poly(Isopropylacrylamide) Near the Î¸ Temperature: A Comparison between Linear and Crossâ€Linked Chains. Macromolecular Chemistry and Physics, 2019, 220, 1800421.	2.2	15
44	Electrostatic complexes between thermosensitive cationic microgels and anionic liposomes: Formation and triggered release of encapsulated enzyme. European Polymer Journal, 2019, 119, 222-228.	5.4	5
45	Preface to the Growth of Colloid and Interface Science Special Issue. Langmuir, 2019, 35, 8517-8518.	3.5	1
46	Tuning the Structure and Properties of Ultra-Low Cross-Linked Temperature-Sensitive Microgels at Interfaces via the Adsorption Pathway. Langmuir, 2019, 35, 14769-14781.	3.5	27
47	Anisotropic Hollow Microgels That Can Adapt Their Size, Shape, and Softness. Nano Letters, 2019, 19, 8161-8170.	9.1	36
48	Polyelectrolyte Microgels at a Liquidâ€"Liquid Interface: Swelling and Long-Range Ordering. Journal of Physical Chemistry B, 2019, 123, 8590-8598.	2.6	12
49	PEO-b-PPO star-shaped polymers enhance the structural stability of electrostatically coupled liposome/polyelectrolyte complexes. PLoS ONE, 2019, 14, e0210898.	2.5	5
50	Viscosity of Semidilute and Concentrated Nonentangled Flexible Polyelectrolytes in Salt-Free Solution. Journal of Physical Chemistry B, 2019, 123, 5626-5634.	2.6	31
51	Microgel-stabilized liquid crystal emulsions enable an analyte-induced ordering transition. Chemical Communications, 2019, 55, 7255-7258.	4.1	20
52	Deswelling of Microgels in Crowded Suspensions Depends on Cross-Link Density and Architecture. Macromolecules, 2019, 52, 3995-4007.	4.8	60
53	Nanogels and Microgels: From Model Colloids to Applications, Recent Developments, and Future Trends. Langmuir, 2019, 35, 6231-6255.	3.5	395
54	On the mechanism of payload release from liposomes bound to temperature-sensitive microgel particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 396-402.	4.7	10

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55	Distribution of Ionizable Groups in Polyampholyte Microgels Controls Interactions with Captured Proteins: From Blockade and â€œLevitationâ€•to Accelerated Release. Biomacromolecules, 2019, 20, 1578-1591.	5.4	38
56	Synthesis and structure of deuterated ultra-low cross-linked poly(<i>N</i>-isopropylacrylamide) microgels. Polymer Chemistry, 2019, 10, 2397-2405.	3.9	43
57	Amphiphilic microgels adsorbed at oilâ€“water interfaces as mixers of two immiscible liquids. Soft Matter, 2019, 15, 3978-3986.	2.7	25
58	Exploring the colloid-to-polymer transition for ultra-low crosslinked microgels from three to two dimensions. Nature Communications, 2019, 10, 1418.	12.8	90
59	Preface to The 15th Pacific Polymer Conference (PPC-15) Virtual Issue. Langmuir, 2019, 35, 4413-4414.	3.5	0
60	Direct Monitoring of Microgel Formation during Precipitation Polymerization of <i>N</i>-Isopropylacrylamide Using in Situ SANS. ACS Omega, 2019, 4, 3690-3699.	3.5	21
61	Enrichment of methanol inside pNIPAM gels in the cononsolvency-induced collapse. Physical Chemistry Chemical Physics, 2019, 21, 22811-22818.	2.8	9
62	Effect of the 3D Swelling of Microgels on Their 2D Phase Behavior at the Liquidâ€“Liquid Interface. Langmuir, 2019, 35, 16780-16792.	3.5	47
63	Microgel PAINT â€“ nanoscopic polarity imaging of adaptive microgels without covalent labelling. Chemical Science, 2019, 10, 10336-10342.	7.4	22
64	Influence of divalent counterions on the solution rheology and supramolecular aggregation of carboxymethyl cellulose. Cellulose, 2019, 26, 1517-1534.	4.9	32
65	Probing the Internal Heterogeneity of Responsive Microgels Adsorbed to an Interface by a Sharp SFM Tip: Comparing Coreâ€“Shell and Hollow Microgels. Langmuir, 2018, 34, 4150-4158.	3.5	36
66	Combined UVâ€“Vis-absorbance and reflectance spectroscopy study of dye transfer kinetics in aqueous mixtures of surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 74-81.	4.7	3
67	Time-resolved structural evolution during the collapse of responsive hydrogels: The microgel-to-particle transition. Science Advances, 2018, 4, eaao7086.	10.3	90
68	Dynamically Cross-Linked Self-Assembled Thermoresponsive Microgels with Homogeneous Internal Structures. Langmuir, 2018, 34, 1601-1612.	3.5	25
69	Hollow microgels squeezed in overcrowded environments. Journal of Chemical Physics, 2018, 148, 174903.	3.0	46
70	Swelling of a Responsive Network within Different Constraints in Multi-Thermosensitive Microgels. Macromolecules, 2018, 51, 2662-2671.	4.8	58
71	Tunable 2D binary colloidal alloys for soft nanotemplating. Nanoscale, 2018, 10, 22189-22195.	5.6	44
72	Microgel in a Pore: Intraparticle Segregation or Snail-like Behavior Caused by Collapse and Swelling. Macromolecules, 2018, 51, 8147-8155.	4.8	14

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73	Conformation and dynamics of flexible polyelectrolytes in semidilute salt-free solutions. Journal of Chemical Physics, 2018, 148, 244902.	3.0	20
74	From Batch to Continuous Precipitation Polymerization of Thermoresponsive Microgels. ACS Applied Materials & Interfaces, 2018, 10, 24799-24806.	8.0	61
75	Enzymeâ€Compatible Dynamic Nanoreactors from Electrostatically Bridged Likeâ€Charged Surfactants and Polyelectrolytes. Angewandte Chemie, 2018, 130, 9546-9551.	2.0	1
76	Nanoskopische Bildgebung der Vernetzungsdichte in Polymernetzwerken mittels Diarylethenâ€Photoschaltern. Angewandte Chemie, 2018, 130, 12460-12464.	2.0	7
77	Nanoscopic Visualization of Crossâ€Linking Density in Polymer Networks with Diarylethene Photoswitches. Angewandte Chemie - International Edition, 2018, 57, 12280-12284.	13.8	72
78	Surface Functionalization by Stimuli-Sensitive Microgels for Effective Enzyme Uptake and Rational Design of Biosensor Setups. Polymers, 2018, 10, 791.	4.5	36
79	An anionic shell shields a cationic core allowing for uptake and release of polyelectrolytes within coreâ€"shell responsive microgels. Soft Matter, 2018, 14, 4287-4299.	2.7	52
80	Stimuli-Responsive Zwitterionic Microgels with Covalent and Ionic Cross-Links. Macromolecules, 2018, 51, 6707-6716.	4.8	28
81	Enzymeâ€Compatible Dynamic Nanoreactors from Electrostatically Bridged Likeâ€Charged Surfactants and Polyelectrolytes. Angewandte Chemie - International Edition, 2018, 57, 9402-9407.	13.8	18
82	Payload release by liposome burst: Thermal collapse of microgels induces satellite destruction. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1491-1494.	3.3	29
83	Functional Microgels and Microgel Systems. Accounts of Chemical Research, 2017, 50, 131-140.	15.6	537
84	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. ACS Applied Materials & Interfaces, 2017, 9, 31302-31316.	8.0	39
85	Diffusion of rigid nanoparticles in crowded polymer-network hydrogels: dominance of segmental density over crosslinking density. Colloid and Polymer Science, 2017, 295, 1371-1381.	2.1	8
86	Microgels enable capacious uptake and controlled release of architecturally complex macromolecular species. Polymer, 2017, 119, 50-58.	3.8	21
87	Easy-Preparable Butyrylcholinesterase/Microgel Construct for Facilitated Organophosphate Biosensing. Analytical Chemistry, 2017, 89, 6091-6098.	6.5	51
88	Intramicrogel Complexation of Oppositely Charged Compartments As a Route to Quasi-Hollow Structures. Macromolecules, 2017, 50, 4435-4445.	4.8	19
89	Adjusting the size of multicompartmental containers made of anionic liposomes and polycations by introducing branching and PEO moieties. Polymer, 2017, 121, 320-327.	3.8	7
90	Compression and deposition of microgel monolayers from fluid interfaces: particle size effects on interface microstructure and nanolithography. Physical Chemistry Chemical Physics, 2017, 19, 8671-8680.	2.8	66

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91	Stimulated Transitions of Directed Nonequilibrium Selfâ€Assemblies. Advanced Materials, 2017, 29, 1703495.	21.0	25
92	Does Floryâ€"Rehner theory quantitatively describe the swelling of thermoresponsive microgels?. Soft Matter, 2017, 13, 8271-8280.	2.7	80
93	Fluorescence correlation spectroscopy reveals a cooperative unfolding of monomeric amyloid-Î² 42 with a low Gibbs free energy. Scientific Reports, 2017, 7, 2154.	3.3	8
94	In Situ and Cryo (S)TEM Imaging of Internal Microgel Architectures. Microscopy and Microanalysis, 2016, 22, 70-71.	0.4	0
95	Microgel stabilized emulsions: Breaking on demand. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 193-199.	4.7	35
96	Persulfate initiated ultra-low cross-linked poly(N-isopropylacrylamide) microgels possess an unusual inverted cross-linking structure. Soft Matter, 2016, 12, 3919-3928.	2.7	67
97	Mixing of Two Immiscible Liquids within the Polymer Microgel Adsorbed at Their Interface. ACS Macro Letters, 2016, 5, 612-616.	4.8	53
98	Dynamic Structure Factor of Coreâ€"Shell Microgels: A Neutron Scattering and Mesoscale Hydrodynamic Simulation Study. Macromolecules, 2016, 49, 3608-3618.	4.8	23
99	3D Structures of Responsive Nanocompartmentalized Microgels. Nano Letters, 2016, 16, 7295-7301.	9.1	90
100	The next step in precipitation polymerization of N-isopropylacrylamide: particle number density control by monochain globule surface charge modulation. Polymer Chemistry, 2016, 7, 5123-5131.	3.9	26
101	Multi-Shell Hollow Nanogels with Responsive Shell Permeability. Scientific Reports, 2016, 6, 22736.	3.3	89
102	Could multiresponsive hollow shellâ€"shell nanocontainers offer an improved strategy for drug delivery?. Nanomedicine, 2016, 11, 2879-2883.	3.3	37
103	Controlled Synthesis and Fluorescence Tracking of Highly Uniform Poly(N-isopropylacrylamide) Microgels. Journal of Visualized Experiments, 2016, , .	0.3	2
104	Controlling Shear Stress in 3D Bioprinting is a Key Factor to Balance Printing Resolution and Stem Cell Integrity. Advanced Healthcare Materials, 2016, 5, 326-333.	7.6	571
105	Micelles from self-assembled double-hydrophilic PHEMA-glycopolymer-diblock copolymers as multivalent scaffolds for lectin binding. Polymer Chemistry, 2016, 7, 878-886.	3.9	30
106	Isostructural solidâ€"solid phase transition in monolayers of soft coreâ€"shell particles at fluid interfaces: structure and mechanics. Soft Matter, 2016, 12, 3545-3557.	2.7	97
107	Fully Tunable Silicon Nanowire Arrays Fabricated by Soft Nanoparticle Templating. Nano Letters, 2016, 16, 157-163.	9.1	98
108	Waterborne physically crosslinked antimicrobial nanogels. Polymer Chemistry, 2016, 7, 364-369.	3.9	37

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109	Dilution leading to viscosity increase based on the cononsolvency effect of temperature-sensitive microgel suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 377-385.	4.7	4
110	Hollow and Coreâ€“Shell Microgels at Oilâ€“Water Interfaces: Spreading of Soft Particles Reduces the Compressibility of the Monolayer. Langmuir, 2015, 31, 13145-13154.	3.5	93
111	Refractive Index Mismatch Can Misindicate Anomalous Diffusion in Singleâ€Focus Fluorescence Correlation Spectroscopy. Macromolecular Chemistry and Physics, 2015, 216, 156-163.	2.2	7
112	Can the Reaction Mechanism of Radical Solution Polymerization Explain the Microgel Final Particle Volume in Precipitation Polymerization of <i>N</i>â€isopropylacrylamide?. Macromolecular Chemistry and Physics, 2015, 216, 1431-1440.	2.2	29
113	Cononsolvency of mono- and di-alkyl N-substituted poly(acrylamide)s and poly(vinyl caprolactam). Polymer, 2015, 62, 50-59.	3.8	45
114	Dynamics of suspensions of hydrodynamically structured particles: analytic theory and applications to experiments. Soft Matter, 2015, 11, 2821-2843.	2.7	30
115	Methanolâ€induced change of the mechanism of the temperatureâ€•and pressureâ€induced collapse of <i>N</i>â€Substituted acrylamide copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 532-544.	2.1	9
116	Electrostatic Interactions and Osmotic Pressure of Counterions Control the pH-Dependent Swelling and Collapse of Polyampholyte Microgels with Random Distribution of Ionizable Groups. Macromolecules, 2015, 48, 5914-5927.	4.8	88
117	Fundamental Study of Emulsions Stabilized by Soft and Rigid Particles. Langmuir, 2015, 31, 6282-6288.	3.5	56
118	Engineering Systems with Spatially Separated Enzymes via Dual-Stimuli-Sensitive Properties of Microgels. Langmuir, 2015, 31, 13029-13039.	3.5	39
119	Synthesis and solution behaviour of stimuli-sensitive zwitterionic microgels. Colloid and Polymer Science, 2015, 293, 3305-3318.	2.1	20
120	New Insight into Microgel-Stabilized Emulsions Using Transmission X-ray Microscopy: Nonuniform Deformation and Arrangement of Microgels at Liquid Interfaces. Langmuir, 2015, 31, 83-89.	3.5	43
121	Coreâ€“Shellâ€“Shell and Hollow Doubleâ€Shell Microgels with Advanced Temperature Responsiveness. Macromolecular Rapid Communications, 2015, 36, 159-164.	3.9	66
122	How Hollow Are Thermoresponsive Hollow Nanogels?. Macromolecules, 2014, 47, 8700-8708.	4.8	56
123	Polymers in focus: fluorescence correlation spectroscopy. Colloid and Polymer Science, 2014, 292, 2399-2411.	2.1	39
124	Dual-Stimuli-Sensitive Microgels as a Tool for Stimulated Spongelike Adsorption of Biomaterials for Biosensor Applications. Biomacromolecules, 2014, 15, 3735-3745.	5.4	110
125	Comparison of the Microstructure of Stimuli Responsive Zwitterionic PNIPAM-co-Sulfobetaine Microgels with PNIPAM Microgels and Classical Hard-Sphere Systems. Zeitschrift Fur Physikalische Chemie, 2014, 228, 1033-1052.	2.8	1
126	Cononsolvency of poly-N-isopropyl acrylamide (PNIPAM): Microgels versus linear chains and macrogels. Current Opinion in Colloid and Interface Science, 2014, 19, 84-94.	7.4	125

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127	Transfer of the editorship. Colloid and Polymer Science, 2014, 292, 1-3.	2.1	4
128	Influence of high-pressure on cononsolvency of poly(N-isopropylacrylamide) nanogels in water/methanol mixtures. Polymer, 2014, 55, 2000-2007.	3.8	24
129	Heterogeneous crystallization of hard and soft spheres near flat and curved walls. European Physical Journal: Special Topics, 2014, 223, 439-454.	2.6	27
130	The Compressibility of pHâ€Sensitive Microgels at the Oilâ€"Water Interface: Higher Charge Leads to Less Repulsion. Angewandte Chemie - International Edition, 2014, 53, 4905-4909.	13.8	78
131	Poly(N-isopropylacrylamide) microgels at the oilâ€"water interface: temperature effect. Soft Matter, 2014, 10, 6182-6191.	2.7	56
132	Highly ordered 2D microgel arrays: compression versus self-assembly. Soft Matter, 2014, 10, 7968-7976.	2.7	66
133	Adsorption of microgels at an oilâ€"water interface: correlation between packing and 2D elasticity. Soft Matter, 2014, 10, 6963-6974.	2.7	123
134	Femtosecond spectroscopy reveals huge differences in the photoisomerisation dynamics between azobenzenes linked to polymers and azobenzenes in solution. Physical Chemistry Chemical Physics, 2014, 16, 11549.	2.8	21
135	Cononsolvency of Water/Methanol Mixtures for PNIPAM and PS-<i>b</i>-PNIPAM: Pathway of Aggregate Formation Investigated Using Time-Resolved SANS. Macromolecules, 2014, 47, 6867-6879.	4.8	40
136	Behavior of Temperature-Responsive Copolymer Microgels at the Oil/Water Interface. Langmuir, 2014, 30, 7660-7669.	3.5	50
137	Diffusion of guest molecules within sensitive coreâ€"shell microgel carriers. Journal of Colloid and Interface Science, 2014, 431, 204-208.	9.4	19
138	Synthesis and Internal Structure of Finite-Size DNAâ€"Gold Nanoparticle Assemblies. Journal of Physical Chemistry C, 2014, 118, 7174-7184.	3.1	14
139	Cononsolvency Effects on the Structure and Dynamics of Microgels. Macromolecules, 2014, 47, 5982-5988.	4.8	40
140	Kinetics and particle size control in non-stirred precipitation polymerization of N-isopropylacrylamide. Colloid and Polymer Science, 2014, 292, 1743-1756.	2.1	40
141	Quaternized microgels as soft templates for polyelectrolyte layer-by-layer assemblies. Polymer, 2014, 55, 1991-1999.	3.8	36
142	Gel architectures and their complexity. Soft Matter, 2014, 10, 3695-3702.	2.7	97
143	Conformational changes upon high pressure induced hydration of poly(N-isopropylacrylamide) microgels. Soft Matter, 2013, 9, 5862.	2.7	35
144	Poly(N-isopropylacrylamide) microgels at the oilâ€"water interface: adsorption kinetics. Soft Matter, 2013, 9, 9939.	2.7	92

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145	Shear quench-induced disintegration of a nonionic surfactant C10E3 onion phase. Soft Matter, 2013, 9, 5391.	2.7	10
146	Cononsolvency Revisited: Solvent Entrapment by <i>N</i>-Isopropylacrylamide and <i>N</i>,<i>N</i>-Diethylacrylamide Microgels in Different Water/Methanol Mixtures. Macromolecules, 2013, 46, 523-532.	4.8	73
147	Microgelâ€Stabilized Smart Emulsions for Biocatalysis. Angewandte Chemie - International Edition, 2013, 52, 576-579.	13.8	173
148	Spontaneous Assembly of Miktoarm Stars into Vesicular Interpolyelectrolyte Complexes. Macromolecular Rapid Communications, 2013, 34, 855-860.	3.9	48
149	Temperature dependent phase behavior of PNIPAM microgels in mixed water/methanol solvents. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1100-1111.	2.1	87
150	Temperature-Sensitive Composite Hydrogels: Coupling Between Gel Matrix and Embedded Nano- and Microgels. , 2013, , 91-100.		0
151	Size-dependent multispectral photoacoustic response of solid and hollow gold nanoparticles. Nanotechnology, 2012, 23, 225707.	2.6	24
152	Size dependent photoacoustic signal response of gold nanoparticles using a multispectral laser diode system. , 2012, , .		1
153	Magnetically triggered clustering of biotinylated iron oxide nanoparticles in the presence of streptavidinylated enzymes. Nanotechnology, 2012, 23, 355707.	2.6	6
154	Non-coalescence of oppositely charged droplets in pH-sensitive emulsions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 384-389.	7.1	103
155	Nanoparticle-Based Test Measures Overall Propensity for Calcification in Serum. Journal of the American Society of Nephrology: JASN, 2012, 23, 1744-1752.	6.1	275
156	Spatially Resolved Tracer Diffusion in Complex Responsive Hydrogels. Journal of the American Chemical Society, 2012, 134, 15963-15969.	13.7	48
157	Shear-induced onion formation of polymer-grafted lamellar phase. Soft Matter, 2012, 8, 5381.	2.7	19
158	Polymer dynamics in responsive microgels: influence of cononsolvency and microgel architecture. Physical Chemistry Chemical Physics, 2012, 14, 2762.	2.8	53
159	Unraveling the 3D Localization and Deformation of Responsive Microgels at Oil/Water Interfaces: A Step Forward in Understanding Soft Emulsion Stabilizers. Langmuir, 2012, 28, 15770-15776.	3.5	178
160	Polyelectrolyte coating of iron oxide nanoparticles for MRI-based cell tracking. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 682-691.	3.3	35
161	Responsive Emulsions Stabilized by Stimuli-Sensitive Microgels: Emulsions with Special Non-Pickering Properties. Langmuir, 2012, 28, 17218-17229.	3.5	247
162	Polymer/Colloid Interactions and Soft Polymer Colloids. , 2012, , 315-338.		2

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163	Polymer Nanogels and Microgels. , 2012, , 309-350.		17
164	Magnesium ions and alginate do form hydrogels: a rheological study. Soft Matter, 2012, 8, 4877.	2.7	114
165	The special behaviours of responsive coreâ€“shell nanogels. Soft Matter, 2012, 8, 11423.	2.7	69
166	Toward Copolymers with Ideal Thermosensitivity: Solution Properties of Linear, Well-Defined Polymers of <i>N</i>-Isopropyl Acrylamide and <i>N</i>,<i>N</i>-Diethyl Acrylamide. Macromolecules, 2012, 45, 8021-8026.	4.8	42
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