

Walter Richtering

List of Publications by Year in Descending Order

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

316
papers

14,100
citations

65
h-index

103
g-index

343
ext. papers

15,645
ext. citations

5.6
avg, IF

6.94
L-index

#	Paper	IF	Citations
316	Cu ²⁺ tunable temperature-responsive Pickering foams stabilized by poly (N-isopropylacrylamide-co-vinyl imidazole) microgel: significance for Cu ²⁺ recovery via flotation. <i>Chemical Engineering Journal</i> , 2022 , 442, 136274	14.7	0
315	Solution Properties of Polyelectrolytes with Divalent Counterions. <i>Macromolecules</i> , 2021 , 54, 10583-10593	9.3	2
314	Stiffness Tomography of Ultra-Soft Nanogels by Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2021 , 133, 2310-2317	3.6	2
313	Stiffness Tomography of Ultra-Soft Nanogels by Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2280-2287	16.4	14
312	Temperature-sensitive soft microgels at interfaces: air-water versus oil-water. <i>Soft Matter</i> , 2021 , 17, 976-988	3.6	14
311	Loading of doxorubicin into surface-attached stimuli-responsive microgels and its subsequent release under different conditions. <i>Polymer</i> , 2021 , 213, 123227	3.9	6
310	Is the Microgel Collapse a Two-Step Process? Exploiting Cononsolvency to Probe the Collapse Dynamics of Poly-isopropylacrylamide (pNIPAM). <i>Journal of Physical Chemistry B</i> , 2021 , 125, 1503-1512	3.4	5
309	Adsorption dynamics of thermoresponsive microgels with incorporated short oligo(ethylene glycol) chains at the oil-water interface. <i>Soft Matter</i> , 2021 , 17, 6127-6139	3.6	1
308	Absence of crystals in the phase behavior of hollow microgels. <i>Physical Review E</i> , 2021 , 103, 022612	2.4	4
307	Diffusion and Viscosity of Unentangled Polyelectrolytes. <i>Macromolecules</i> , 2021 , 54, 8088-8103	5.5	6
306	Oscillatory rheology of carboxymethyl cellulose gels: Influence of concentration and pH. <i>Carbohydrate Polymers</i> , 2021 , 267, 118117	10.3	10
305	Temperature-induced unloading of liposomes bound to microgels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 630, 127590	5.1	1
304	Interactions between a responsive microgel monolayer and a rigid colloid: from soft to hard interfaces. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 16754-16766	3.6	0
303	Phase behavior of ultrasoft spheres show stable bcc lattices. <i>Physical Review E</i> , 2020 , 102, 052602	2.4	7
302	Scavenging One of the Liquids versus Emulsion Stabilization by Microgels in a Mixture of Two Immiscible Liquids. <i>ACS Macro Letters</i> , 2020 , 9, 736-742	6.6	5
301	Influence of Size and Cross-Linking Density of Microgels on Cellular Uptake and Uptake Kinetics. <i>Biomacromolecules</i> , 2020 , 21, 4532-4544	6.9	15
300	Screening lengths and osmotic compressibility of flexible polyelectrolytes in excess salt solutions. <i>Soft Matter</i> , 2020 , 16, 7289-7298	3.6	7

299	Scaling laws of entangled polysaccharides. <i>Carbohydrate Polymers</i> , 2020 , 234, 115886	10.3	7
298	Compression and Ordering of Microgels in Monolayers Formed at Liquid-Liquid Interfaces: Computer Simulation Studies. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19903-19915	9.5	8
297	Flow properties reveal the particle-to-polymer transition of ultra-low crosslinked microgels. <i>Soft Matter</i> , 2020 , 16, 668-678	3.6	17
296	Fluctuation suppression in microgels by polymer electrolytes. <i>Structural Dynamics</i> , 2020 , 7, 034302	3.2	1
295	Synthesis of Polyampholyte Janus-like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1248-1255	16.4	16
294	R&Ktitelbild: Synthesis of Polyampholyte Janus-like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization (Angew. Chem. 3/2020). <i>Angewandte Chemie</i> , 2020 , 132, 1372-1372	3.6	1
293	Tailoring the Cavity of Hollow Polyelectrolyte Microgels. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900422	4.8	7
292	Synthesis of Polyampholyte Janus-like Microgels by Coacervation of Reactive Precursors in Precipitation Polymerization. <i>Angewandte Chemie</i> , 2020 , 132, 1264-1271	3.6	2
291	Microgel organocatalysts: modulation of reaction rates at liquid-liquid interfaces. <i>Materials Advances</i> , 2020 , 1, 2983-2993	3.3	6
290	Synthesis and structure of temperature-sensitive nanocapsules. <i>Colloid and Polymer Science</i> , 2020 , 298, 1179-1185	2.4	3
289	Influence of Charges on the Behavior of Polyelectrolyte Microgels Confined to Oil-Water Interfaces. <i>Langmuir</i> , 2020 , 36, 11079-11093	4	11
288	Nanoparticles in the Biological Context: Surface Morphology and Protein Corona Formation. <i>Small</i> , 2020 , 16, e2002162	11	18
287	Electrostatic expansion of polyelectrolyte microgels: Effect of solvent quality and added salt. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 200-210	9.3	18
286	PEO-b-PPO star-shaped polymers enhance the structural stability of electrostatically coupled liposome/polyelectrolyte complexes. <i>PLoS ONE</i> , 2019 , 14, e0210898	3.7	5
285	Viscosity of Semidilute and Concentrated Nonentangled Flexible Polyelectrolytes in Salt-Free Solution. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 5626-5634	3.4	17
284	Microgel-stabilized liquid crystal emulsions enable an analyte-induced ordering transition. <i>Chemical Communications</i> , 2019 , 55, 7255-7258	5.8	12
283	Deswelling of Microgels in Crowded Suspensions Depends on Cross-Link Density and Architecture. <i>Macromolecules</i> , 2019 , 52, 3995-4007	5.5	29
282	Nanogels and Microgels: From Model Colloids to Applications, Recent Developments, and Future Trends. <i>Langmuir</i> , 2019 , 35, 6231-6255	4	220

281	On the mechanism of payload release from liposomes bound to temperature-sensitive microgel particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 570, 396-402	5.1	9
280	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	6.9	26
279	Synthesis and structure of deuterated ultra-low cross-linked poly(N-isopropylacrylamide) microgels. <i>Polymer Chemistry</i> , 2019 , 10, 2397-2405	4.9	25
278	Amphiphilic microgels adsorbed at oil-water interfaces as mixers of two immiscible liquids. <i>Soft Matter</i> , 2019 , 15, 3978-3986	3.6	15
277	Exploring the colloid-to-polymer transition for ultra-low crosslinked microgels from three to two dimensions. <i>Nature Communications</i> , 2019 , 10, 1418	17.4	56
276	Electrostatic complexes between thermosensitive cationic microgels and anionic liposomes: Formation and triggered release of encapsulated enzyme. <i>European Polymer Journal</i> , 2019 , 119, 222-228	5.2	2
275	Preface to the Growth of Colloid and Interface Science Special Issue. <i>Langmuir</i> , 2019 , 35, 8517-8518	4	1
274	Tuning the Structure and Properties of Ultra-Low Cross-Linked Temperature-Sensitive Microgels at Interfaces via the Adsorption Pathway. <i>Langmuir</i> , 2019 , 35, 14769-14781	4	17
273	Anisotropic Hollow Microgels That Can Adapt Their Size, Shape, and Softness. <i>Nano Letters</i> , 2019 , 19, 8161-8170	11.5	16
272	Polyelectrolyte Microgels at a Liquid-Liquid Interface: Swelling and Long-Range Ordering. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8590-8598	3.4	9
271	Preface to The 15th Pacific Polymer Conference (PPC-15) Virtual Issue. <i>Langmuir</i> , 2019 , 35, 4413-4414	4	
270	Direct Monitoring of Microgel Formation during Precipitation Polymerization of -Isopropylacrylamide Using in Situ SANS. <i>ACS Omega</i> , 2019 , 4, 3690-3699	3.9	12
269	Enrichment of methanol inside pNIPAM gels in the cononsolvency-induced collapse. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22811-22818	3.6	6
268	Effect of the 3D Swelling of Microgels on Their 2D Phase Behavior at the Liquid-Liquid Interface. <i>Langmuir</i> , 2019 , 35, 16780-16792	4	25
267	Microgel PAINT - nanoscopic polarity imaging of adaptive microgels without covalent labelling. <i>Chemical Science</i> , 2019 , 10, 10336-10342	9.4	11
266	Influence of divalent counterions on the solution rheology and supramolecular aggregation of carboxymethyl cellulose. <i>Cellulose</i> , 2019 , 26, 1517-1534	5.5	22
265	Probing the Internal Heterogeneity of Responsive Microgels Adsorbed to an Interface by a Sharp SFM Tip: Comparing Core-Shell and Hollow Microgels. <i>Langmuir</i> , 2018 , 34, 4150-4158	4	30
264	Combined UV-Vis-absorbance and reflectance spectroscopy study of dye transfer kinetics in aqueous mixtures of surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 550, 74-81	5.1	2

263	Time-resolved structural evolution during the collapse of responsive hydrogels: The microgel-to-particle transition. <i>Science Advances</i> , 2018 , 4, eaao7086	14.3	65
262	Dynamically Cross-Linked Self-Assembled Thermoresponsive Microgels with Homogeneous Internal Structures. <i>Langmuir</i> , 2018 , 34, 1601-1612	4	24
261	Hollow microgels squeezed in overcrowded environments. <i>Journal of Chemical Physics</i> , 2018 , 148, 174903-9	3.9	30
260	Swelling of a Responsive Network within Different Constraints in Multi-Thermosensitive Microgels. <i>Macromolecules</i> , 2018 , 51, 2662-2671	5.5	42
259	From Batch to Continuous Precipitation Polymerization of Thermoresponsive Microgels. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24799-24806	9.5	44
258	Enzyme-Compatible Dynamic Nanoreactors from Electrostatically Bridged Like-Charged Surfactants and Polyelectrolytes. <i>Angewandte Chemie</i> , 2018 , 130, 9546-9551	3.6	1
257	Nanoskopische Bildgebung der Vernetzungsdichte in Polymernetzwerken mittels Diarylethen-Photoschaltern. <i>Angewandte Chemie</i> , 2018 , 130, 12460-12464	3.6	7
256	Nanosopic Visualization of Cross-Linking Density in Polymer Networks with Diarylethene Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12280-12284	16.4	55
255	Surface Functionalization by Stimuli-Sensitive Microgels for Effective Enzyme Uptake and Rational Design of Biosensor Setups. <i>Polymers</i> , 2018 , 10,	4.5	24
254	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	3.6	39
253	Stimuli-Responsive Zwitterionic Microgels with Covalent and Ionic Cross-Links. <i>Macromolecules</i> , 2018 , 51, 6707-6716	5.5	21
252	Enzyme-Compatible Dynamic Nanoreactors from Electrostatically Bridged Like-Charged Surfactants and Polyelectrolytes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9402-9407	16.4	13
251	Tunable 2D binary colloidal alloys for soft nanotemplating. <i>Nanoscale</i> , 2018 , 10, 22189-22195	7.7	37
250	The Swelling of Poly(Isopropylacrylamide) Near the θ Temperature: A Comparison between Linear and Cross-Linked Chains. <i>Macromolecular Chemistry and Physics</i> , 2018 , 220, 1800421	2.6	5
249	Microgel in a Pore: Intraparticle Segregation or Snail-like Behavior Caused by Collapse and Swelling. <i>Macromolecules</i> , 2018 , 51, 8147-8155	5.5	12
248	Conformation and dynamics of flexible polyelectrolytes in semidilute salt-free solutions. <i>Journal of Chemical Physics</i> , 2018 , 148, 244902	3.9	13
247	Payload release by liposome burst: Thermal collapse of microgels induces satellite destruction. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1491-1494	6	22
246	Functional Microgels and Microgel Systems. <i>Accounts of Chemical Research</i> , 2017 , 50, 131-140	24.3	360

245	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	9.5	30
244	Diffusion of rigid nanoparticles in crowded polymer-network hydrogels: dominance of segmental density over crosslinking density. <i>Colloid and Polymer Science</i> , 2017 , 295, 1371-1381	2.4	5
243	Microgels enable capacious uptake and controlled release of architecturally complex macromolecular species. <i>Polymer</i> , 2017 , 119, 50-58	3.9	16
242	Easy-Preparable Butyrylcholinesterase/Microgel Construct for Facilitated Organophosphate Biosensing. <i>Analytical Chemistry</i> , 2017 , 89, 6091-6098	7.8	36
241	Intramicrogel Complexation of Oppositely Charged Compartments As a Route to Quasi-Hollow Structures. <i>Macromolecules</i> , 2017 , 50, 4435-4445	5.5	18
240	Adjusting the size of multicompartamental containers made of anionic liposomes and polycations by introducing branching and PEO moieties. <i>Polymer</i> , 2017 , 121, 320-327	3.9	4
239	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	3.6	53
238	Stimulated Transitions of Directed Nonequilibrium Self-Assemblies. <i>Advanced Materials</i> , 2017 , 29, 1703495	4.5	20
237	Does Flory-Rehner theory quantitatively describe the swelling of thermoresponsive microgels?. <i>Soft Matter</i> , 2017 , 13, 8271-8280	3.6	60
236	Fluorescence correlation spectroscopy reveals a cooperative unfolding of monomeric amyloid- β 2 with a low Gibbs free energy. <i>Scientific Reports</i> , 2017 , 7, 2154	4.9	6
235	The next step in precipitation polymerization of N-isopropylacrylamide: particle number density control by monochain globule surface charge modulation. <i>Polymer Chemistry</i> , 2016 , 7, 5123-5131	4.9	19
234	Multi-Shell Hollow Nanogels with Responsive Shell Permeability. <i>Scientific Reports</i> , 2016 , 6, 22736	4.9	70
233	Could multiresponsive hollow shell-shell nanocontainers offer an improved strategy for drug delivery?. <i>Nanomedicine</i> , 2016 , 11, 2879-2883	5.6	33
232	In situ and cryo (S)TEM imaging of internal microgel architectures 2016 , 187-188		
231	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, 326-33	10.1	390
230	Micelles from self-assembled double-hydrophilic PHEMA-glycopolymer-diblock copolymers as multivalent scaffolds for lectin binding. <i>Polymer Chemistry</i> , 2016 , 7, 878-886	4.9	26
229	Isostructural solid-solid phase transition in monolayers of soft core-shell particles at fluid interfaces: structure and mechanics. <i>Soft Matter</i> , 2016 , 12, 3545-57	3.6	76
228	Fully Tunable Silicon Nanowire Arrays Fabricated by Soft Nanoparticle Templating. <i>Nano Letters</i> , 2016 , 16, 157-63	11.5	81

227	Waterborne physically crosslinked antimicrobial nanogels. <i>Polymer Chemistry</i> , 2016 , 7, 364-369	4.9	34
226	In Situ and Cryo (S)TEM Imaging of Internal Microgel Architectures. <i>Microscopy and Microanalysis</i> , 2016 , 22, 70-71	0.5	
225	Microgel stabilized emulsions: Breaking on demand. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 495, 193-199	5.1	29
224	Persulfate initiated ultra-low cross-linked poly(N-isopropylacrylamide) microgels possess an unusual inverted cross-linking structure. <i>Soft Matter</i> , 2016 , 12, 3919-28	3.6	45
223	Mixing of Two Immiscible Liquids within the Polymer Microgel Adsorbed at Their Interface. <i>ACS Macro Letters</i> , 2016 , 5, 612-616	6.6	44
222	Dynamic Structure Factor of CoreShell Microgels: A Neutron Scattering and Mesoscale Hydrodynamic Simulation Study. <i>Macromolecules</i> , 2016 , 49, 3608-3618	5.5	21
221	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016 , 16, 7295-7301	11.5	75
220	Methanol-induced change of the mechanism of the temperature- and pressure-induced collapse of N-Substituted acrylamide copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 532-544	2.6	7
219	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	5.5	75
218	Fundamental Study of Emulsions Stabilized by Soft and Rigid Particles. <i>Langmuir</i> , 2015 , 31, 6282-8	4	43
217	Engineering Systems with Spatially Separated Enzymes via Dual-Stimuli-Sensitive Properties of Microgels. <i>Langmuir</i> , 2015 , 31, 13029-39	4	30
216	Synthesis and solution behaviour of stimuli-sensitive zwitterionic microgels. <i>Colloid and Polymer Science</i> , 2015 , 293, 3305-3318	2.4	16
215	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, 83-9	4	36
214	Core-shell-shell and hollow double-shell microgels with advanced temperature responsiveness. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 159-64	4.8	51
213	Dilution leading to viscosity increase based on the cononsolvency effect of temperature-sensitive microgel suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 484, 377-385	5.1	4
212	Hollow and Core-Shell Microgels at Oil-Water Interfaces: Spreading of Soft Particles Reduces the Compressibility of the Monolayer. <i>Langmuir</i> , 2015 , 31, 13145-54	4	71
211	Refractive Index Mismatch Can Misindicate Anomalous Diffusion in Single-Focus Fluorescence Correlation Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 156-163	2.6	7
210	Can the Reaction Mechanism of Radical Solution Polymerization Explain the Microgel Final Particle Volume in Precipitation Polymerization of N-Isopropylacrylamide?. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1431-1440	2.6	25

209	Cononsolvency of mono- and di-alkyl N-substituted poly(acrylamide)s and poly(vinyl caprolactam). <i>Polymer</i> , 2015 , 62, 50-59	3.9	42
208	Dynamics of suspensions of hydrodynamically structured particles: analytic theory and applications to experiments. <i>Soft Matter</i> , 2015 , 11, 2821-43	3.6	22
207	Influence of high-pressure on cononsolvency of poly(N-isopropylacrylamide) nanogels in water/methanol mixtures. <i>Polymer</i> , 2014 , 55, 2000-2007	3.9	20
206	Heterogeneous crystallization of hard and soft spheres near flat and curved walls. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 439-454	2.3	21
205	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, 4905-9	16.4	64
204	Poly(N-isopropylacrylamide) microgels at the oil-water interface: temperature effect. <i>Soft Matter</i> , 2014 , 10, 6182-91	3.6	46
203	Highly ordered 2D microgel arrays: compression versus self-assembly. <i>Soft Matter</i> , 2014 , 10, 7968-76	3.6	61
202	Adsorption of microgels at an oil-water interface: correlation between packing and 2D elasticity. <i>Soft Matter</i> , 2014 , 10, 6963-74	3.6	97
201	Femtosecond spectroscopy reveals huge differences in the photoisomerisation dynamics between azobenzenes linked to polymers and azobenzenes in solution. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11549-54	3.6	17
200	Cononsolvency of Water/Methanol Mixtures for PNIPAM and PS-b-PNIPAM: Pathway of Aggregate Formation Investigated Using Time-Resolved SANS. <i>Macromolecules</i> , 2014 , 47, 6867-6879	5.5	34
199	Behavior of temperature-responsive copolymer microgels at the oil/water interface. <i>Langmuir</i> , 2014 , 30, 7660-9	4	46
198	Diffusion of guest molecules within sensitive core-shell microgel carriers. <i>Journal of Colloid and Interface Science</i> , 2014 , 431, 204-8	9.3	17
197	Synthesis and Internal Structure of Finite-Size DNA-Gold Nanoparticle Assemblies. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7174-7184	3.8	14
196	Cononsolvency Effects on the Structure and Dynamics of Microgels. <i>Macromolecules</i> , 2014 , 47, 5982-5988	3.5	35
195	Kinetics and particle size control in non-stirred precipitation polymerization of N-isopropylacrylamide. <i>Colloid and Polymer Science</i> , 2014 , 292, 1743-1756	2.4	29
194	Quaternized microgels as soft templates for polyelectrolyte layer-by-layer assemblies. <i>Polymer</i> , 2014 , 55, 1991-1999	3.9	33
193	Gel architectures and their complexity. <i>Soft Matter</i> , 2014 , 10, 3695-702	3.6	84
192	The Compressibility of pH-Sensitive Microgels at the Oil/Water Interface: Higher Charge Leads to Less Repulsion. <i>Angewandte Chemie</i> , 2014 , 126, 5005-5009	3.6	23

191	How Hollow Are Thermoresponsive Hollow Nanogels?. <i>Macromolecules</i> , 2014 , 47, 8700-8708	5.5	47
190	Polymers in focus: fluorescence correlation spectroscopy. <i>Colloid and Polymer Science</i> , 2014 , 292, 2399-2411	3.1	34
189	Dual-stimuli-sensitive microgels as a tool for stimulated spongelike adsorption of biomaterials for biosensor applications. <i>Biomacromolecules</i> , 2014 , 15, 3735-45	6.9	91
188	Comparison of the Microstructure of Stimuli Responsive Zwitterionic PNIPAM-co-Sulfobetaine Microgels with PNIPAM Microgels and Classical Hard-Sphere Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014 , 228,	3.1	1
187	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	7.6	101
186	Conformational changes upon high pressure induced hydration of poly(N-isopropylacrylamide) microgels. <i>Soft Matter</i> , 2013 , 9, 5862	3.6	31
185	Poly(N-isopropylacrylamide) microgels at the oil/water interface: adsorption kinetics. <i>Soft Matter</i> , 2013 , 9, 9939	3.6	77
184	Shear quench-induced disintegration of a nonionic surfactant C10E3 onion phase. <i>Soft Matter</i> , 2013 , 9, 5391	3.6	8
183	Cononsolvency Revisited: Solvent Entrapment by N-Isopropylacrylamide and N,N-Diethylacrylamide Microgels in Different Water/Methanol Mixtures. <i>Macromolecules</i> , 2013 , 46, 523-532	5.5	67
182	Microgel-Stabilized Smart Emulsions for Biocatalysis. <i>Angewandte Chemie</i> , 2013 , 125, 604-607	3.6	65
181	Microgel-stabilized smart emulsions for biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 576-9	16.4	144
180	Spontaneous assembly of miktoarm stars into vesicular interpolyelectrolyte complexes. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 855-60	4.8	44
179	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	2.6	79
178	Temperature-Sensitive Composite Hydrogels: Coupling Between Gel Matrix and Embedded Nano- and Microgels 2013 , 91-100		
177	Spatially resolved tracer diffusion in complex responsive hydrogels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15963-9	16.4	45
176	Shear-induced onion formation of polymer-grafted lamellar phase. <i>Soft Matter</i> , 2012 , 8, 5381	3.6	16
175	Polymer dynamics in responsive microgels: influence of cononsolvency and microgel architecture. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2762-8	3.6	49
174	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, 15770-6	4	157

173	Polyelectrolyte coating of iron oxide nanoparticles for MRI-based cell tracking. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 682-91	6	27
172	Responsive emulsions stabilized by stimuli-sensitive microgels: emulsions with special non-Pickering properties. <i>Langmuir</i> , 2012 , 28, 17218-29	4	209
171	Polymer/Colloid Interactions and Soft Polymer Colloids 2012 , 315-338		0
170	Polymer Nanogels and Microgels 2012 , 309-350		10
169	Magnesium ions and alginate do form hydrogels: a rheological study. <i>Soft Matter</i> , 2012 , 8, 4877	3.6	87
168	The special behaviours of responsive core-shell nanogels. <i>Soft Matter</i> , 2012 , 8, 11423	3.6	61
167	Toward Copolymers with Ideal Thermosensitivity: Solution Properties of Linear, Well-Defined Polymers of N-Isopropyl Acrylamide and N,N-Diethyl Acrylamide. <i>Macromolecules</i> , 2012 , 45, 8021-8026	5.5	40
166	Mechanical properties of temperature sensitive microgel/polyacrylamide composite hydrogels from soft to hard fillers. <i>Soft Matter</i> , 2012 , 8, 4254	3.6	52
165	Size-dependent multispectral photoacoustic response of solid and hollow gold nanoparticles. <i>Nanotechnology</i> , 2012 , 23, 225707	3.4	24
164	Size dependent photoacoustic signal response of gold nanoparticles using a multispectral laser diode system 2012 ,		1
163	Magnetically triggered clustering of biotinylated iron oxide nanoparticles in the presence of streptavidinylated enzymes. <i>Nanotechnology</i> , 2012 , 23, 355707	3.4	5
162	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, 384-9	11.5	94
161	Nanoparticle-based test measures overall propensity for calcification in serum. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1744-52	12.7	202
160	Layer-by-Layer Assembly on Stimuli-Responsive Microgels 2012 , 275-297		
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