Regine von Klitzing

List of Publications by Citations

257 papers	8,817 citations	52 h-index	80 g-index
271 ext. papers	9,683 ext. citations	4.7 avg, IF	6.42 L-index

#	Paper	IF	Citations
257	Internal structure of polyelectrolyte multilayer assemblies. *Physical Chemistry Chemical Physics*, **2006**, 8, 5012-33	3.6	362
256	Influence of the ionic strength on the structure of polyelectrolyte films at the solid/liquid interface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2000**, 163, 63-70	5.1	208
255	Complexes of surfactants with oppositely charged polymers at surfaces and in bulk. *Advances in Colloid and Interface Science*, **2010**, 155, 32-49	14.3	202
254	Influence of Charge Density and Ionic Strength on the Multilayer Formation of Strong Polyelectrolytes. *Langmuir*, **2001**, 17, 4471-4474	4	194
253	Disjoining pressure in thin liquid foam and emulsion films□ew concepts and perspectives. *Journal of Physics Condensed Matter*, **2003**, 15, R1197-R1232	1.8	188
252	Swelling Behavior of Polyelectrolyte Multilayers in Saturated Water Vapor. *Macromolecules*, **2004**, 37, 7285-7289	5.5	163
251	Temperature, pH, and ionic strength induced changes of the swelling behavior of PNIPAM-poly(allylacetic acid) copolymer microgels. *Langmuir*, **2008**, 24, 6300-6	4	155
250	Hydration and internal properties of polyelectrolyte multilayers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 303, 14-29	5.1	155
249	Thermoresponsive surfaces by spin-coating of PNIPAM-co-PAA microgels: A combined AFM and ellipsometry study. *Polymer*, **2008**, 49, 749-756	3.9	148
248	A Realistic Diffusion Model for Ultrathin Polyelectrolyte Films. *Macromolecules*, **1996**, 29, 6901-6906	5.5	143
247	Proton Concentration Profile in Ultrathin Polyelectrolyte Films. *Langmuir*, **1995**, 11, 3554-3559	4	140
246	Polymer/Surfactant Complexes at the Water/Air Interface:□A Surface Tension and X-ray Reflectivity Study. *Langmuir*, **2000**, 16, 3206-3213	4	130
245	Packing density control in P(NIPAM-co-AAc) microgel monolayers: effect of surface charge, pH, and preparation technique. *Langmuir*, **2008**, 24, 12595-602	4	118
244	Charge Effects on the Formation of Multilayers Containing Strong Polyelectrolytes. *Journal of Physical Chemistry B*, **2003**, 107, 5273-5280	3.4	106
243	Short range interactions in polyelectrolyte multilayers. *Current Opinion in Colloid and Interface Science*, **2004**, 9, 158-162	7.6	103
242	Responsive polyelectrolyte multilayers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 303, 3-13	5.1	102
241	Pure protein microspheres by calcium carbonate templating. *Angewandte Chemie - International Edition*, **2010**, 49, 9258-61	16.4	99

240	Competing mechanisms in polyelectrolyte multilayer formation and swelling: Polycation–polyanion pairing vs. polyelectrolyte–ion pairing. *Current Opinion in Colloid and Interface Science*, **2014**, 19, 25-31	7.6	97
239	Effect of cross-linker density of P(NIPAM-co-AAc) microgels at solid surfaces on the swelling/shrinking behaviour and the Young's modulus. *Colloid and Polymer Science*, **2011**, 289, 613-624	2.4	96
238	The Effect of Co-Monomer Content on the Swelling/Shrinking and Mechanical Behaviour of Individually Adsorbed PNIPAM Microgel Particles. *Polymers*, **2011**, 3, 1575-1590	4.5	96
237	Behavior of Soap Films Stabilized by a Cationic Dimeric Surfactant. *Langmuir*, **1998**, 14, 4251-4260	4	94
236	Mineral-Enhanced Polyacrylic Acid Hydrogel as an Oyster-Inspired Organic-Inorganic Hybrid Adhesive. *ACS Applied Materials & Interfaces*, **2018**, 10, 10471-10479	9.5	91
235	Mixed monolayers of polyelectrolytes and surfactants at the air–water interface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2000**, 167, 189-197	5.1	91
234	Specific ion versus electrostatic effects on the construction of polyelectrolyte multilayers. *Langmuir*, **2009**, 25, 14061-70	4	89
233	Surviving structure in colloidal suspensions squeezed from 3D to 2D. *Physical Review Letters*, **2008**, 100, 118303	7.4	88
232	Forces in foam films containing polyelectrolyte and surfactant. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 149, 131-140	5.1	85
231	Light-Controlled Reversible Manipulation of Microgel Particle Size Using Azobenzene-Containing Surfactant. *Advanced Functional Materials*, **2012**, 22, 5000-5009	15.6	82
230	Responsive aqueous foams. *ChemPhysChem*, **2015**, 16, 66-75	3.2	78
229	Control of number density and swelling/shrinking behavior of P(NIPAM-co-AAc) particles at solid surfaces. *Journal of Materials Chemistry*, **2010**, 20, 3502		78
228	Lateral mobility of polyelectrolyte chains in multilayers. *Journal of Physical Chemistry B*, **2007**, 111, 8572-81	3.4	78
227	Effect of ionic strength and type of ions on the structure of water swollen polyelectrolyte multilayers. *Physical Chemistry Chemical Physics*, **2011**, 13, 10318-25	3.6	76
226	Tunable plasmon coupling in distance-controlled gold nanoparticles. *Langmuir*, **2012**, 28, 8862-6	4	75
225	Specific ion effects in physicochemical and biological systems: Simulations, theory and experiments. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 303, 110-136	5.1	75
224	Versatile phase transfer of gold nanoparticles from aqueous media to different organic media. *Chemistry - A European Journal*, **2011**, 17, 4648-54	4.8	72
223	Effect of masker level on overshoot in running- and frozen-noise maskers. *Journal of the Acoustical Society of America*, **1994**, 95, 2192-201	2.2	68

222	Evidence of surface charge at the air/water interface from thin-film studies on polyelectrolyte-coated substrates. *Langmuir*, **2005**, 21, 4790-3	4	66
221	Film stability control. *Current Opinion in Colloid and Interface Science*, **2002**, 7, 42-49	7.6	66
220	One-Step Formulation of Protein Microparticles with Tailored Properties: Hard Templating at Soft Conditions. *Advanced Functional Materials*, **2012**, 22, 1914-1922	15.6	65
219	Temperature-induced changes in polyelectrolyte films at the solid□quid interface. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s519-s521	2.6	65
218	Two-Dimensional Aggregation and Semidilute Ordering in Cellulose Nanocrystals. *Langmuir*, **2016**, 32, 442-50	4	64
217	Steady-State Fluorescence Investigation of Pyrene-Labeled Poly(Acrylic Acid)s in Aqueous Solution and in the Presence of Sodium Dodecyl Sulfate. *Langmuir*, **2002**, 18, 5600-5606	4	64
216	Effect of polyelectrolyte/surfactant combinations on the stability of foam films. *Soft Matter*, **2010**, 6, 849	3.6	63
215	Zinc induced polyelectrolyte coacervate bioadhesive and its transition to a self-healing hydrogel. *RSC Advances*, **2015**, 5, 66871-66878	3.7	62
214	Polymers and surfactants at fluid interfaces studied with specular neutron reflectometry. *Advances in Colloid and Interface Science*, **2017**, 247, 130-148	14.3	61
213	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. *Soft Matter*, **2011**, 7, 10899	3.6	59
212	Structuring of poly(DADMAC) chains in aqueous media: a comparison between bulk and free-standing film measurements. *Physical Chemistry Chemical Physics*, **2002**, 4, 1907-1914	3.6	59
211	Effects of counterions and co-ions on foam films stabilized by anionic dodecyl sulfate. *Journal of Physical Chemistry B*, **2010**, 114, 15523-9	3.4	57
210	Dynamics of linear poly(N-isopropylacrylamide) in water around the phase transition investigated by dielectric relaxation spectroscopy. *Journal of Physical Chemistry B*, **2014**, 118, 3750-9	3.4	56
209	Polyelectrolyte Membranes. *Advances in Polymer Science*, **2004**, 177-210	1.3	55
208	Concentration dependent effects of urea binding to poly(N-isopropylacrylamide) brushes: a combined experimental and numerical study. *Physical Chemistry Chemical Physics*, **2016**, 18, 5324-35	3.6	54
207	Antimicrobial cerium ion-chitosan crosslinked alginate biopolymer films: A novel and potential wound dressing. *International Journal of Biological Macromolecules*, **2017**, 105, 1161-1165	7.9	54
206	Mesoscopic Ordering of Polyelectrolyte Chains in Foam Films:□Role of Electrostatic Forces. *Journal of Physical Chemistry B*, **2000**, 104, 5096-5101	3.4	53
205	Halloysites Stabilized Emulsions for Hydroformylation of Long Chain Olefins. *Advanced Materials Interfaces*, **2017**, 4, 1600435	4.6	52

204	Effect of Polymer Charge and Geometrical Confinement on Ion Distribution and the Structuring in Semidilute Polyelectrolyte Solutions: Comparison between AFM and SAXS. *Macromolecules*, **2006**, 39, 7364-7371	5.5	49
203	Electrical Detection of Self-Assembled Polyelectrolyte Multilayers by a Thin Film Resistor. *Macromolecules*, **2006**, 39, 463-466	5.5	49
202	Effect of interface modification on forces in foam films and wetting films. *Advances in Colloid and Interface Science*, **2005**, 114-115, 253-66	14.3	49
201	Confinement of linear polymers, surfactants, and particles between interfaces. *Advances in Colloid and Interface Science*, **2010**, 155, 19-31	14.3	48
200	Oscillatory structural forces due to nonionic surfactant micelles: data by colloidal-probe AFM vs theory. *Langmuir*, **2010**, 26, 915-23	4	47
199	Brush/gold nanoparticle hybrids: effect of grafting density on the particle uptake and distribution within weak polyelectrolyte brushes. *Langmuir*, **2014**, 30, 13033-41	4	45
198	Impact of polymer shell on the formation and time evolution of nanoparticle-protein corona. *Colloids and Surfaces B: Biointerfaces*, **2013**, 104, 213-20	6	45
197	Interaction of gold nanoparticles with thermoresponsive microgels: influence of the cross-linker density on optical properties. *Physical Chemistry Chemical Physics*, **2013**, 15, 15623-31	3.6	44
196	Responsive Microgels at Surfaces and Interfaces. *Zeitschrift Fur Physikalische Chemie*, **2015**, 229,	3.1	43
195	Formation and dielectric properties of polyelectrolyte multilayers studied by a silicon-on-insulator based thin film resistor. *Langmuir*, **2007**, 23, 4048-52	4	42
194	Loading of PNIPAM Based Microgels with CoFe2O4 Nanoparticles and Their Magnetic Response in Bulk and at Surfaces. *Journal of Physical Chemistry B*, **2015**, 119, 12129-37	3.4	40
193	Surface Adsorption of Oppositely Charged SDS:C(12)TAB Mixtures and the Relation to Foam Film Formation and Stability. *Journal of Physical Chemistry B*, **2015**, 119, 12877-86	3.4	40
192	Polyelectrolyte Multilayers: Towards Single Cell Studies. *Polymers*, **2014**, 6, 1502-1527	4.5	40
191	Photosensitive microgels containing azobenzene surfactants of different charges. *Physical Chemistry Chemical Physics*, **2016**, 19, 108-117	3.6	39
190	Foam films stabilized by dodecyl maltoside. 1. Film thickness and free energy of film formation. *Langmuir*, **2004**, 20, 6352-8	4	39
189	Comparison of different polymer-like structures in the confined geometry of foam films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2001**, 176, 109-116	5.1	39
188	Immobilization of lipase B within micron-sized poly-N-isopropylacrylamide hydrogel particles by solvent exchange. *Physical Chemistry Chemical Physics*, **2012**, 14, 9594-600	3.6	38
187	Long-range interactions between soft colloidal particles in slit-pore geometries. *Journal of Physical Chemistry B*, **2007**, 111, 1296-303	3.4	38

186	Inner structure of adsorbed ionic microgel particles. *Langmuir*, **2014**, 30, 7168-76	4	37
185	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. *Macromolecules*, **2017**, 50, 7333-7343	5.5	37
184	Particle stabilized aqueous foams at different length scales: synergy between silica particles and alkylamines. *Langmuir*, **2015**, 31, 1615-22	4	37
183	About different types of water in swollen polyelectrolyte multilayers. *Advances in Colloid and Interface Science*, **2014**, 207, 325-31	14.3	37
182	Swelling of Polyelectrolyte Multilayers: The Relation Between, Surface and Bulk Characteristics. *Journal of Physical Chemistry B*, **2015**, 119, 11879-86	3.4	36
181	Stimuli-Responsive Polyelectrolyte Brushes As a Matrix for the Attachment of Gold Nanoparticles: The Effect of Brush Thickness on Particle Distribution. *Polymers*, **2014**, 6, 1877-1896	4.5	36
180	Evidence for polymer-like structures in the single phase region of a dodecane/C12E5/water microemulsion: a dynamic light scattering study. *Physica A: Statistical Mechanics and Its Applications*, **2000**, 283, 349-358	3.3	36
179	Surfactant and metal ion effects on the mechanical properties of alginate hydrogels. *International Journal of Biological Macromolecules*, **2016**, 92, 220-224	7.9	35
178	Poly(N-isopropylacrylamide) Microgels under Alcoholic Intoxication: When a LCST Polymer Shows Swelling with Increasing Temperature. *ACS Macro Letters*, **2017**, 6, 1042-1046	6.6	35
177	Biopolymers for dye removal via foam separation. *Separation and Purification Technology*, **2017**, 188, 451-457	8.3	35
176	Structuring of colloidal suspensions confined between a silica microsphere and an air bubble. *Soft Matter*, **2011**, 7, 5329	3.6	35
175	Tuning of Foam Film Thickness by Different (Poly)electrolyte/Surfactant Combinations *Journal of Physical Chemistry B*, **2003**, 107, 8152-8157	3.4	35
174	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. *Journal of Physical Chemistry B*, **2015**, 119, 10348-58	3.4	34
173	Using hydrogel microparticles to transfer hydrophilic nanoparticles and enzymes to organic media via stepwise solvent exchange. *Langmuir*, **2010**, 26, 12980-7	4	34
172	Foam films from oppositely charged polyelectolyte/surfactant mixtures: effect of polyelectrolyte and surfactant hydrophobicity on film stability. *Langmuir*, **2010**, 26, 9321-7	4	34
171	Structuring of Polyelectrolyte (NaPSS) Solutions in Bulk and under Confinement as a Function of Concentration and Molecular Weight. *Macromolecules*, **2011**, 44, 7782-7791	5.5	34
170	No charge reversal at foam film surfaces after addition of oppositely charged polyelectrolytes?. *Journal of Physical Chemistry B*, **2009**, 113, 7986-90	3.4	34
169	Reversible activation of diblock copolymer monolayers at the interface by pH modulation, 1: Lateral chain density and conformation. *Journal of Physical Chemistry B*, **2006**, 110, 9171-6	3.4	34

168	Stratification of foam films containing polyelectrolytes. Influence of the polymer backbone's rigidity. *Journal of Physical Chemistry B*, **2009**, 113, 3972-80	3.4	33
167	The dielectric signature of poly(N-isopropylacrylamide) microgels at the volume phase transition: dependence on the crosslinking density. *Soft Matter*, **2013**, 9, 4464	3.6	32
166	A new multiresponsive drug delivery system using smart nanogels. *ChemPhysChem*, **2013**, 14, 2833-40	3.2	32
165	Unveiling the Dynamics of Self-Assembled Layers of Thin Films of Poly(vinyl methyl ether) (PVME) by Nanosized Relaxation Spectroscopy. *ACS Applied Materials & Interfaces*, **2017**, 9, 7535-7546	9.5	31
164	Temperature effect on the build-up of exponentially growing polyelectrolyte multilayers. An exponential-to-linear transition point. *Physical Chemistry Chemical Physics*, **2016**, 18, 7866-74	3.6	31
163	Growth behaviour and mechanical properties of PLL/HA multilayer films studied by AFM. *Beilstein Journal of Nanotechnology*, **2012**, 3, 778-88	3	31
162	Impact of surface charges on the solvation forces in confined colloidal solutions. *Journal of Chemical Physics*, **2009**, 131, 154702	3.9	31
161	Negative charges at the air/water interface and their consequences for aqueous wetting films containing surfactants. *Faraday Discussions*, **2009**, 141, 41-53; discussion 81-98	3.6	31
160	Photoresponsive self-assemblies based on fatty acids. *Chemical Communications*, **2015**, 51, 2907-10	5.8	30
159	Interfacial properties of Quillaja saponins and its use for micellisation of lutein esters. *Food Chemistry*, **2016**, 212, 35-42	8.5	30
158	Immobilization of water-soluble HRP within poly-N-isopropylacrylamide microgel particles for use in organic media. *Langmuir*, **2013**, 29, 16002-9	4	29
157	Effect of Ionic Strength and Layer Number on Swelling of Polyelectrolyte Multilayers in Water Vapour. *Soft Materials*, **2013**, 11, 157-164	1.7	29
156	Asymptotic structure of charged colloids between two and three dimensions: the influence of salt. *Journal of Physics Condensed Matter*, **2008**, 20, 494232	1.8	29
155	Effect of polyelectrolytes on (de)stability of liquid foam films. *Soft Matter*, **2014**, 10, 6903-16	3.6	28
154	Stability of foam films of oppositely charged polyelectrolyte/surfactant mixtures: effect of isoelectric point. *Journal of Physical Chemistry B*, **2011**, 115, 14475-83	3.4	28
153	Probing the phase transition of aqueous solutions of linear low molecular weight poly(N-isopropylacrylamide) by dielectric spectroscopy. *Soft Matter*, **2012**, 8, 12116	3.6	27
152	Correlation between specific ion adsorption at the air/water interface and long□range interactions in colloidal systems. *Soft Matter*, **2011**, 7, 2936	3.6	27
151	Reversible activation of diblock copolymer monolayers at the interface by pH modulation, 2: Membrane interactions at the solid/liquid interface. *Journal of Physical Chemistry B*, **2006**, 110, 9177-82	3.4	27

150	GelTouch **2015**,		27
149	Short versus long chain polyelectrolyte multilayers: a direct comparison of self-assembly and structural properties. *Physical Chemistry Chemical Physics*, **2014**, 16, 21988-98	3.6	26
148	A comparison of the network structure and inner dynamics of homogeneously and heterogeneously crosslinked PNIPAM microgels with high crosslinker content. *Soft Matter*, **2019**, 15, 1053-1064	3.6	25
147	Nanomechanics and Nanorheology of Microgels at Interfaces. *Polymers*, **2018**, 10,	4.5	25
146	Temperature-induced molecular transport through polymer multilayers coated with PNIPAM microgels. *Physical Chemistry Chemical Physics*, **2015**, 17, 12771-7	3.6	24
145	On the structure of biocompatible, thermoresponsive poly(ethylene glycol) microgels. *Polymer*, **2014**, 55, 6717-6724	3.9	24
144	Charged silica suspensions as model materials for liquids in confined geometries. *Soft Matter*, **2010**, 6, 2330	3.6	24
143	Polyelectrolytes in thin liquid films. *Current Opinion in Colloid and Interface Science*, **2010**, 15, 303-314	7.6	24
142	Water Contact Angle On Polyelectrolyte-Coated Surfaces: Effects of Film Swelling and Droplet Evaporation. *Soft Materials*, **2007**, 5, 61-73	1.7	24
141	The effect of polymer charge density and charge distribution on the formation of multilayers. *Journal of Physics Condensed Matter*, **2003**, 15, S213-S218	1.8	24
140	Macroscopic and Microscopic Elasticity of Heterogeneous Polymer Gels. *ACS Macro Letters*, **2015**, 4, 698-703	6.6	23
139	Influence of Nanoparticles and Drop Size Distributions on the Rheology of w/o Pickering Emulsions. *Chemie-Ingenieur-Technik*, **2016**, 88, 1815-1826	0.8	22
138	Orientation-Controlled Electrocatalytic Efficiency of an Adsorbed Oxygen-Tolerant Hydrogenase. *PLoS ONE*, **2015**, 10, e0143101	3.7	22
137	Transport through ultrathin polyelectrolyte films. *Thin Solid Films*, **1996**, 284-285, 352-356	2.2	22
136	Polymer Brush/Metal Nanoparticle Hybrids for Optical Sensor Applications: from Self-Assembly to Tailored Functions and Nanoengineering. *Zeitschrift Fur Physikalische Chemie*, **2015**, 229,	3.1	21
135	The impact of the cononsolvency effect on poly (N-isopropylacrylamide) based microgels at interfaces. *Colloid and Polymer Science*, **2014**, 292, 2439-2452	2.4	21
134	Adhesion property profiles of supported thin polymer films. *ACS Applied Materials & Interfaces*, **2013**, 5, 6300-6	9.5	21
133	Temperature response of PNIPAM derivatives at planar surfaces: comparison between polyelectrolyte multilayers and adsorbed microgels. *ChemPhysChem*, **2010**, 11, 3571-9	3.2	21

132	Microgels at the Water/Oil Interface: In Situ Observation of Structural Aging and Two-Dimensional Magnetic Bead Microrheology. *Langmuir*, **2016**, 32, 712-22	4	20
131	Effect of pH, co-monomer content, and surfactant structure on the swelling behavior of microgel-azobenzene-containing surfactant complex. *Polymer*, **2014**, 55, 6513-6518	3.9	20
130	Surface adsorption of oppositely charged C14TAB-PAMPS mixtures at the air/water interface and the impact on foam film stability. *Journal of Physical Chemistry B*, **2015**, 119, 348-58	3.4	20
129	IR-light triggered drug delivery from micron-sized polymer biocoatings. *Journal of Controlled Release*, **2010**, 148, e70-1	11.7	20
128	Structure and Rheology of Microgel Monolayers at the Water/Oil Interface. *Macromolecules*, **2017**, 50, 3680-3689	5.5	19
127	Construction of Compact Polyelectrolyte Multilayers Inspired by Marine Mussel: Effects of Salt Concentration and pH As Observed by QCM-D and AFM. *Langmuir*, **2016**, 32, 3365-74	4	19
126	Combined Cononsolvency and Temperature Effects on Adsorbed PNIPAM Microgels. *Langmuir*, **2017**, 33, 14269-14277	4	19
125	Oscillatory forces of nanoparticle suspensions confined between rough surfaces modified with polyelectrolytes via the layer-by-layer technique. *Langmuir*, **2012**, 28, 6313-21	4	19
124	Pure Protein Microspheres by Calcium Carbonate Templating. *Angewandte Chemie*, **2010**, 122, 9444-9447	3.6	19
123	Interactions across liquid thin films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* , **2007**, 303, 97-109	5.1	19
122	Fluorescence Spectroscopy on Polyelectrolyte Free Standing Films. *Macromolecules*, **2002**, 35, 2861-2864	5.5	19
121	Influence of the cross-linker content on adsorbed functionalised microgel coatings. *Polymer*, **2019**, 169, 29-35	3.9	19
120	Tailoring PNIPAM hydrogels for large temperature-triggered changes in mechanical properties. *Colloid and Polymer Science*, **2019**, 297, 633-640	2.4	19
119	Bulk Phase and Surface Dynamics of PEG Microgel Particles. *Macromolecules*, **2015**, 48, 5807-5815	5.5	18
118	Ion distribution in dry polyelectrolyte multilayers: a neutron reflectometry study. *Soft Matter*, **2018**, 14, 1699-1708	3.6	18
117	Temperature responsive behavior of polymer brush/polyelectrolyte multilayer composites. *Soft Matter*, **2016**, 12, 1176-83	3.6	18
116	Ethylene glycol-based microgels at solid surfaces: swelling behavior and control of particle number density. *Langmuir*, **2015**, 31, 2202-10	4	18
115	Uptake of pH-Sensitive Gold Nanoparticles in Strong Polyelectrolyte Brushes. *Polymers*, **2016**, 8,	4.5	18

114	Characteristics of Stable Pickering Emulsions under Process Conditions. *Chemie-Ingenieur-Technik*, **2016**, 88, 1806-1814	0.8	17
113	Tuning Pickering Emulsions for Optimal Reaction and Filtration Conditions. *Chemie-Ingenieur-Technik*, **2016**, 88, 1827-1832	0.8	17
112	Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. *Polymer*, **2016**, 98, 454-463	3.9	17
111	Hydration and Solvent Exchange Induced Swelling and Deswelling of Homogeneous Poly(-isopropylacrylamide) Microgel Thin Films. *Langmuir*, **2019**, 35, 16341-16352	4	17
110	Distribution of CoFeO Nanoparticles Inside PNIPAM-Based Microgels of Different Cross-linker Distributions. *Journal of Physical Chemistry B*, **2019**, 123, 2405-2413	3.4	16
109	Smart foams: new perspectives towards responsive composite materials. *Angewandte Chemie - International Edition*, **2011**, 50, 11290-2	16.4	16
108	Engineered Ovalbumin Nanoparticles for Cancer Immunotherapy. *Advanced Therapeutics*, **2020**, 3, 2000100	4.9	15
107	Core-Shell-Corona Silica Hybrid Nanoparticles Templated by Spherical Polyelectrolyte Brushes: A Study by Small Angle X-ray Scattering. *Langmuir*, **2017**, 33, 9857-9865	4	15
106	Communication: Light driven remote control of microgels' size in the presence of photosensitive surfactant: Complete phase diagram. *Journal of Chemical Physics*, **2017**, 147, 031101	3.9	15
105	Ion distribution in polyelectrolyte multilayers with standing-wave X-ray fluorescence. *Journal of Physical Chemistry B*, **2007**, 111, 4036-42	3.4	15
104	Multiscaling Approach for Non-Destructive Adhesion Studies of Metal/Polymer Composites. *ACS Applied Materials & Interfaces*, **2015**, 7, 16247-56	9.5	14
103	Hemocompatibility of soft hydrophobic poly(n-butyl acrylate) networks with elastic moduli adapted to the elasticity of human arteries. *Clinical Hemorheology and Microcirculation*, **2011**, 49, 375-90	2.5	14
102	Effects of oppositely charged surfactants on the stability of foam films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 382, 165-173	5.1	14
101	Synergistic Effects of a Rhodium Catalyst on Particle-Stabilized Pickering Emulsions for the Hydroformylation of a Long-Chain Olefin. *Industrial & Engineering Chemistry Research*, **2019**, 58, 2524-2536	3.9	14
100	Thermal and corrosion (in)stability of polyamide 6 studied by broadband dielectric spectroscopy. *Polymer*, **2015**, 75, 34-43	3.9	13
99	DLS Setup for in Situ Measurements of Photoinduced Size Changes of Microgel-Based Hybrid Particles. *Langmuir*, **2018**, 34, 3597-3603	4	13
98	Scanning of silicon wafers in contact with aqueous CTAB solutions below the CMC. *Langmuir*, **2012**, 28, 3360-8	4	13
97	Interaction forces between silica surfaces in cationic surfactant solutions: an atomic force microscopy study. *Journal of Colloid and Interface Science*, **2013**, 402, 19-26	9.3	13

96	New structural approach to rationalize the foam film stability of oppositely charged polyelectrolyte/surfactant mixtures. *Chemical Communications*, **2020**, 56, 952-955	5.8	13
95	Stability of aqueous foam films and foams containing polymers: Discrepancies between different length scales. *Current Opinion in Colloid and Interface Science*, **2020**, 50, 101379	7.6	13
94	Bridging the gap between two different scaling laws for structuring of liquids under geometrical confinement. *Advances in Colloid and Interface Science*, **2019**, 269, 270-276	14.3	12
93	Scaling of layer spacing of charged particles under slit-pore confinement: an effect of concentration or of effective particle diameter?. *Journal of Physics Condensed Matter*, **2012**, 24, 464125	1.8	12
92	Temperature Controlled Activity of Lipase B from Candida Antarctica after Immobilization within p-NIPAM Microgel Particles. *Zeitschrift Fur Physikalische Chemie*, **2012**, 226, 749-759	3.1	12
91	Spatial Distribution of Polyelectrolytes in Thin Free-Standing Aqueous Films Resolved with Fluorescence Spectroscopy. *Journal of Physical Chemistry C*, **2007**, 111, 5726-5734	3.8	12
90	Interactions between polyelectrolyte brushes in free-standing liquid films: influence of ionic strength **2001**, 195-199		12
89	Making strong polyelectrolyte brushes pH-sensitive by incorporation of gold nanoparticles. *Soft Matter*, **2018**, 14, 4029-4039	3.6	11
88	Surface adsorption of sulfonated poly(phenylene sulfone)/C14TAB mixtures and its correlation with foam film stability. *Physical Chemistry Chemical Physics*, **2016**, 18, 18414-23	3.6	11
87	Layer-by-Layer Formation of Oligoelectrolyte Multilayers: A Combined Experimental and Computational Study. *Soft Materials*, **2014**, 12, S14-S21	1.7	11
86	Odd-even effect during layer-by-layer assembly of polyelectrolytes inspired by marine mussel. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 245-255	2.6	11
85	Comment on "Hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: effect of electrolyte" and subsequent criticism. *Langmuir*, **2007**, 23, 12457-60	4	11
84	Extraction of model contaminants from solid surfaces by environmentally compatible microemulsions. *Journal of Colloid and Interface Science*, **2016**, 471, 118-126	9.3	11
83	The internal structure of PMETAC brush/gold nanoparticle composites: a neutron and X-ray reflectivity study. *Physical Chemistry Chemical Physics*, **2017**, 19, 30636-30646	3.6	10
82	Decoupling of Dynamic and Thermal Glass Transition in Thin Films of a PVME/PS Blend. *ACS Macro Letters*, **2017**, 6, 1156-1161	6.6	10
81	Silica nanoparticle suspensions under confinement of thin liquid films. *Journal of Colloid and Interface Science*, **2015**, 449, 522-9	9.3	10
80	Recent progress in measurements of oscillatory forces and liquid properties under confinement. *Current Opinion in Colloid and Interface Science*, **2020**, 47, 137-152	7.6	10
79	Swelling Behavior of Composite Systems: Mutual Effects between Polyelectrolyte Brushes and Multilayers. *Macromolecules*, **2018**, 51, 2996-3005	5.5	10

78	Sugar Surfactant Based Microemulsions at Solid Surfaces: Influence of the Oil Type and Surface Polarity. *Langmuir*, **2016**, 32, 11928-11938	4	10
77	Multiphasic aqueous hydroformylation of 1-alkenes with micelle-like polymer particles as phase transfer agents.. *RSC Advances*, **2018**, 8, 23332-23338	3.7	10
76	A simple extension of the commonly used fitting equation for oscillatory structural forces in case of silica nanoparticle suspensions. *Beilstein Journal of Nanotechnology*, **2018**, 9, 1095-1107	3	10
75	Poly-NIPAM Microgels with Different Cross-Linker Densities **2013**, 63-76		10
74	The Effect of Temperature Treatment on the Structure of Polyelectrolyte Multilayers. *Polymers*, **2016**, 8,	4.5	10
73	Cooling-Triggered Release from Mesoporous Poly(-isopropylacrylamide) Microgels at Physiological Conditions. *ACS Applied Materials & Interfaces*, **2020**, 12, 57401-57409	9.5	9
72	Grazing incidence SANS and reflectometry combined with simulation of adsorbed microgel particles. *Physica B: Condensed Matter*, **2018**, 551, 172-178	2.8	9
71	Verteilungsgleichgewichte von Liganden in mizellaren L□ungsmittelsystemen. *Chemie-Ingenieur-Technik*, **2016**, 88, 119-127	0.8	9
70	Inner structure and dynamics of microgels with low and medium crosslinker content prepared via surfactant-free precipitation polymerization and continuous monomer feeding approach. *Soft Matter*, **2019**, 15, 6536-6546	3.6	9
69	Effect of Molecular Architecture on the Polyelectrolyte Structuring under Confinement. *Macromolecules*, **2012**, 45, 3168-3176	5.5	9
68	Tuning Interfacial Properties and Colloidal Behavior of Hybrid Nanoparticles by Controlling the Polymer Precursor. *Macromolecular Chemistry and Physics*, **2012**, 213, 2412-2419	2.6	9
67	Water Uptake of Polyelectrolyte Multilayers Including Water Condensation in Voids. *Langmuir*, **2018**, 34, 11518-11525	4	9
66	Self-Propulsion of Janus Particles near a Brush-Functionalized Substrate. *Langmuir*, **2020**, 36, 7775-7780	4	8
65	Gold nanoparticle distribution in polyelectrolyte brushes loaded at different pH conditions. *Journal of Chemical Physics*, **2018**, 149, 163322	3.9	8
64	One-step procedure for the preparation of functional polysaccharide/fatty acid multilayered coatings. *Communications Chemistry*, **2019**, 2,	6.3	8
63	Visualization of real-time degradation of pH-responsive polyglycerol nanogels via atomic force microscopy. *Macromolecular Rapid Communications*, **2014**, 35, 2018-22	4.8	8
62	Viscosity of polyelectrolytes solutions in nanofilms. *Langmuir*, **2010**, 26, 7819-23	4	8
61	Oil-in-Water Pickering Emulsions Stabilized by Halloysite Clay Nanotubes Toward Efficient Filterability. *ACS Applied Nano Materials*, **2020**, 3, 11743-11751	5.6	8

60	Colloidal polymer particles as catalyst carriers and phase transfer agents in multiphasic hydroformylation reactions. *Journal of Colloid and Interface Science*, **2018**, 513, 638-646	9.3	8
59	Transport processes at single droplets in micellar liquid/liquid systems. *AICHE Journal*, **2015**, 61, 1092-1104	3.6	7
58	Evolution of Size and Structure during the Polymerization Process: A SANS Study on EG-Based Microgels. *Macromolecules*, **2015**, 48, 4901-4909	5.5	7
57	Ion specific effects in foam films. *Current Opinion in Colloid and Interface Science*, **2015**, 20, 124-129	7.6	7
56	Separation of Storage and Loss Modulus of Polyelectrolyte Multilayers on a Nanoscale: A Dynamic AFM Study. *Langmuir*, **2016**, 32, 10505-10512	4	7
55	Experimental evaluation of additional short ranged repulsion in structural oscillation forces. *Soft Matter*, **2018**, 14, 5383-5392	3.6	7
54	Influence of particle type and concentration on the ultrafiltration behavior of nanoparticle stabilized Pickering emulsions and suspensions. *Separation and Purification Technology*, **2020**, 252, 117457	8.3	7
53	Mass Transfer and Drop Size Distributions in Reactive Nanoparticle-Stabilized Multiphase Systems. *Chemie-Ingenieur-Technik*, **2017**, 89, 1561-1573	0.8	6
52	Grazing incidence neutron spin echo spectroscopy: instrumentation aspects and scientific opportunities. *Journal of Physics: Conference Series*, **2014**, 528, 012025	0.3	6
51	Stick-Slip Mechanisms at the Nanoscale. *Soft Materials*, **2014**, 12, S106-S114	1.7	6
50	Chain length effects on complex formation in solutions of sodium alkanoates and tetradecyl trimethyl ammonium bromide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 413, 115-118	5.1	6
49	Characterization of hollow silica–polyelectrolyte composite nanoparticles by small-angle X-ray scattering. *Journal of Materials Science*, **2018**, 53, 3210-3224	4.3	6
48	From macroscopic mechanics to cell-effective stiffness within highly aligned macroporous collagen scaffolds. *Materials Science and Engineering C*, **2019**, 103, 109760	8.3	5
47	Transparent Aluminium Oxide Coatings of Polymer Brushes. *Angewandte Chemie - International Edition*, **2016**, 55, 5028-34	16.4	5
46	Effect of environmental parameters on the nano mechanical properties of hyaluronic acid/poly(l-lysine) multilayers. *Physical Chemistry Chemical Physics*, **2018**, 20, 19082-19086	3.6	5
45	Flexible Sample Environment for the Investigation of Soft Matter at the European Spallation Source: Part II—The GISANS Setup. *Applied Sciences (Switzerland)*, **2021**, 11, 4036	2.6	5
44	The quantitative impact of fluid solid interfaces on the catalytic performance of pickering emulsions. *Physical Chemistry Chemical Physics*, **2021**, 23, 2355-2367	3.6	5
43	Looking inside Poly(N-isopropylacrylamide) Microgels: Nanomechanics and Dynamics at Solid–Liquid Interfaces. *ACS Applied Polymer Materials*, **2021**, 3, 976-985	4.3	5

42	Externally Triggered Oscillatory Structural Forces. *Langmuir*, **2018**, 34, 11526-11533	4	5
41	Interaction among Spherical Polyelectrolyte Brushes in Concentrated Aqueous Solution. *Langmuir*, **2020**, 36, 3104-3110	4	4
40	A look inside particle stabilized foams: particle structure and dynamics. *Journal Physics D: Applied Physics*, **2015**, 48, 434003	3	4
39	Effect of oppositely charged hydrophobic additives (alkanoates) on the stability of C14TAB foam films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 460, 158-167	5.1	4
38	A grazing incidence neutron spin echo study of near surface dynamics in p(MEO2MA-co-OEGMA) copolymer brushes. *Colloid and Polymer Science*, **2018**, 296, 2005-2014	2.4	4
37	Spherical polyelectrolyte nanogels as templates to prepare hollow silica nanocarriers: observation by small angle X-ray scattering and TEM. *RSC Advances*, **2017**, 7, 47877-47885	3.7	3
36	Effect of anionic surfactant on alginate-chitosan polyelectrolyte multilayer thickness. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1798-1803	2.6	3
35	Ordering of polystyrene nanoparticles on substrates pre-coated with different polyelectrolyte architectures. *International Journal of Molecular Sciences*, **2013**, 14, 12893-913	6.3	3
34	Selective uptake of different proteins by annealed and quenched cationic spherical polyelectrolyte brushes. *Journal of Polymer Science*, **2020**, 58, 3018-3030	2.4	3
33	Flexible Sample Environments for the Investigation of Soft Matter at the European Spallation Source: Part I The In Situ SANS/DLS Setup. *Applied Sciences (Switzerland)*, **2021**, 11, 4089	2.6	3
32	Shape and Structure Formation of Mixed Nonionic-Anionic Surfactant Micelles. *Molecules*, **2021**, 26,	4.8	3
31	Stimuli-responsive polymer/metal composites: From fundamental research to self-regulating devices. *Current Opinion in Colloid and Interface Science*, **2019**, 44, 193-207	7.6	3
30	Charge Density Gradients of Polymer Thin Film by Gaseous Phase Quaternization. *ACS Macro Letters*, **2020**, 9, 158-162	6.6	2
29	Wetting of planar solid surfaces by bicontinuous sugar surfactant-based microemulsions. *Colloid and Polymer Science*, **2017**, 295, 2183-2190	2.4	2
28	Neutron Reflectometry at Polyelectrolyte Multilayers **2012**, 219-268		2
27	Schaltbare Schäume: Perspektiven für funktionalisierte Verbundmaterialien. *Angewandte Chemie*, **2011**, 123, 11486-11488	3.6	2
26	Microgels at droplet interfaces of water-in-oil emulsions: challenges and progress. *Current Opinion in Colloid and Interface Science*, **2022**, 58, 101561	7.6	2
25	Flexible Sample Environments for the Investigation of Soft Matter at the European Spallation Source: Part III The Macroscopic Foam Cell. *Applied Sciences (Switzerland)*, **2021**, 11, 5116	2.6	2

24	Symmetric Cladding Thin Film Waveguides: From Lossy Media to Disordered Nanostructures. *ACS Photonics*, **2018**, 5, 5110-5118	6.3	2
23	Preface to the Growth of Colloid and Interface Science Special Issue. *Langmuir*, **2019**, 35, 8517-8518	4	1
22	Stimuli-Responsive Materials: Light-Controlled Reversible Manipulation of Microgel Particle Size Using Azobenzene-Containing Surfactant (Adv. Funct. Mater. 23/2012). *Advanced Functional Materials*, **2012**, 22, 5064-5064	15.6	1
21	Synthesis and Analysis of Spherical Cementitious Model Particles. *RILEM Bookseries*, **2020**, 602-609	0.5	1
20	Wavelength frame multiplication for reflectometry at long-pulse neutron sources. *Review of Scientific Instruments*, **2020**, 91, 125111	1.7	1
19	Visualization of Acoustic Energy Absorption in Confined Aqueous Solutions by PNIPAM Microgels: Effects of Bulk Viscosity. *Langmuir*, **2021**, 37, 5854-5863	4	1
18	Untangling superposed double layer and structural forces across confined nanoparticle suspensions. *Physical Chemistry Chemical Physics*, **2021**, 23, 1325-1334	3.6	1
17	Exploring water in oil emulsions simultaneously stabilized by solid hydrophobic silica nanospheres and hydrophilic soft PNIPAM microgel. *Soft Matter*, **2021**, 17, 8258-8268	3.6	1
16	Understanding near-surface polymer dynamics by a combination of grazing-incidence neutron scattering and virtual experiments. *Journal of Applied Crystallography*, **2021**, 54, 72-79	3.8	1
15	Non-monotonic speed-dependence of microswimmers on wall distance. *Soft Matter*, **2021**, 17, 9428-9433	3.6	1
14	Einfluss von Nanopartikeln auf den Stofftransport und die Tropfengr□ in ger□rten Fl□ssig/Fl□ssig-Systemen. *Chemie-Ingenieur-Technik*, **2016**, 88, 1299-1299	0.8	
13	Trennung von w/o Pickering Emulsionen mittels Ultrafiltration. *Chemie-Ingenieur-Technik*, **2016**, 88, 1333-1333	0.8	
12	Helmuth M□wald (1946-2018). *Angewandte Chemie - International Edition*, **2018**, 57, 10418	16.4	
11	Gerhard Findenegg: A Scientific Life in Soft Matter at Interfaces. *Zeitschrift Fur Physikalische Chemie* , **2015**, 229, 1037-1040	3.1	
10	Forces in Aqueous Nanofilms Containing Polyelectrolytes **2014**, 307-336		
9	Einfluss von transmembraner Druckdifferenz, Partikelgehalt und Phasenanteil auf das Filtrationsverhalten von Pickering-Emulsionen. *Chemie-Ingenieur-Technik*, **2014**, 86, 1528-1529	0.8	
8	Forces in Aqueous Nanofilms Containing Polyelectrolytes **2011**, 307-336		
7	Multifunctional Dendritic Architectures: An Investigation of their Mechanical Properties. *Materials Research Society Symposia Proceedings*, **2012**, 1403, 85		

6	Particle Interactions in Silica Systems in Presence of Superplasticizer. *RILEM Bookseries*, **2020**, 571-579	0.5
5	Rheological Properties of Silica Beads in the Presence of Different Polymers and Electrolyte. *RILEM Bookseries*, **2020**, 619-627	0.5
4	Influence of Different Accelerators on the Rheology and Early Hydration of Cement Paste. *RILEM Bookseries*, **2020**, 106-115	0.5
3	Colloidal Particles in Thin Liquid Films **2015**, 3-19	
2	Helmuth M□wald (1946□2018). *Angewandte Chemie*, **2018**, 130, 10576-10576	3.6
1	Potential Profiles Between Polyelectrolyte Multilayers and Spherical Colloids Measured with TIRM52-57	