Regine von Klitzing

List of Publications by Year
in descending order

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265 papers	10,388 citations	28190 55 h-index	51492 86 g-index

271 all docs	271 docs citations	271 times ranked	8782 citing authors

#	Article	IF	Citations
1	Internal structure of polyelectrolyte multilayer assemblies. Physical Chemistry Chemical Physics, 2006, 8, 5012.	1.3	393
2	Complexes of surfactants with oppositely charged polymers at surfaces and in bulk. Advances in Colloid and Interface Science, 2010, 155, 32-49.	7.0	219
3	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.	2.3	217
4	Disjoining pressure in thin liquid foam and emulsion filmsâ€"new concepts and perspectives. Journal of Physics Condensed Matter, 2003, 15, R1197-R1232.	0.7	214
5	Influence of Charge Density and Ionic Strength on the Multilayer Formation of Strong Polyelectrolytes. Langmuir, 2001, 17, 4471-4474.	1.6	212
6	Swelling Behavior of Polyelectrolyte Multilayers in Saturated Water Vapor. Macromolecules, 2004, 37, 7285-7289.	2.2	180
7	Hydration and internal properties of polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 14-29.	2.3	174
8	Temperature, pH, and Ionic Strength Induced Changes of the Swelling Behavior of PNIPAMâ^'Poly(allylacetic acid) Copolymer Microgels. Langmuir, 2008, 24, 6300-6306.	1.6	173
9	Thermoresponsive surfaces by spin-coating of PNIPAM-co-PAA microgels: A combined AFM and ellipsometry study. Polymer, 2008, 49, 749-756.	1.8	164
10	Proton Concentration Profile in Ultrathin Polyelectrolyte Films. Langmuir, 1995, 11, 3554-3559.	1.6	149
11	A Realistic Diffusion Model for Ultrathin Polyelectrolyte Films. Macromolecules, 1996, 29, 6901-6906.	2.2	146
12	Mineral-Enhanced Polyacrylic Acid Hydrogel as an Oyster-Inspired Organicâ€"Inorganic Hybrid Adhesive. ACS Applied Materials & Interfaces, 2018, 10, 10471-10479.	4.0	142
13	Polymer/Surfactant Complexes at the Water/Air Interface:Â A Surface Tension and X-ray Reflectivity Study. Langmuir, 2000, 16, 3206-3213.	1.6	138
14	Packing Density Control in P(NIPAM-co-AAc) Microgel Monolayers: Effect of Surface Charge, pH, and Preparation Technique. Langmuir, 2008, 24, 12595-12602.	1.6	127
15	Charge Effects on the Formation of Multilayers Containing Strong Polyelectrolytes. Journal of Physical Chemistry B, 2003, 107, 5273-5280.	1.2	119
16	Effect of cross-linker density of P(NIPAM-co-AAc) microgels at solid surfaces on the swelling/shrinking behaviour and the Youngâ€™s modulus. Colloid and Polymer Science, 2011, 289, 613-624.	1.0	117
17	The Effect of Co-Monomer Content on the Swelling/Shrinking and Mechanical Behaviour of Individually Adsorbed PNIPAM Microgel Particles. Polymers, 2011, 3, 1575-1590.	2.0	116
18	Competing mechanisms in polyelectrolyte multilayer formation and swelling: Polycationâ€"polyanion pairing vs. polyelectrolyteâ€"ion pairing. Current Opinion in Colloid and Interface Science, 2014, 19, 25-31.	3.4	116

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19	Responsive polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 3-13.	2.3	112
20	Short range interactions in polyelectrolyte multilayers. Current Opinion in Colloid and Interface Science, 2004, 9, 158-162.	3.4	111
21	Behavior of Soap Films Stabilized by a Cationic Dimeric Surfactant. Langmuir, 1998, 14, 4251-4260.	1.6	103
22	Pure Protein Microspheres by Calcium Carbonate Templating. Angewandte Chemie - International Edition, 2010, 49, 9258-9261.	7.2	103
23	Specific Ion versus Electrostatic Effects on the Construction of Polyelectrolyte Multilayers. Langmuir, 2009, 25, 14061-14070.	1.6	102
24	Lightâ€€controlled Reversible Manipulation of Microgel Particle Size Using Azobenzeneâ€€containing Surfactant. Advanced Functional Materials, 2012, 22, 5000-5009.	7.8	97
25	Mixed monolayers of polyelectrolytes and surfactants at the airâ€“water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 167, 189-197.	2.3	96
26	Surviving Structure in Colloidal Suspensions Squeezed from 3D to 2D. Physical Review Letters, 2008, 100, 118303.	2.9	95
27	Responsive Aqueous Foams. ChemPhysChem, 2015, 16, 66-75.	1.0	95
28	Effect of ionic strength and type of ions on the structure of water swollen polyelectrolyte multilayers. Physical Chemistry Chemical Physics, 2011, 13, 10318.	1.3	94
29	Forces in foam films containing polyelectrolyte and surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 149, 131-140.	2.3	93
30	Lateral Mobility of Polyelectrolyte Chains in Multilayersâ€. Journal of Physical Chemistry B, 2007, 111, 8572-8581.	1.2	89
31	Control of number density and swelling/shrinking behavior of P(NIPAMâ€“AAc) particles at solid surfaces. Journal of Materials Chemistry, 2010, 20, 3502.	6.7	87
32	Tunable Plasmon Coupling in Distance-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 8862-8866.	1.6	85
33	Antimicrobial cerium ion-chitosan crosslinked alginate biopolymer films: A novel and potential wound dressing. International Journal of Biological Macromolecules, 2017, 105, 1161-1165.	3.6	79
34	Specific ion effects in physicochemical and biological systems: Simulations, theory and experiments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 110-136.	2.3	78
35	Versatile Phase Transfer of Gold Nanoparticles from Aqueous Media to Different Organic Media. Chemistry - A European Journal, 2011, 17, 4648-4654.	1.7	78
36	Zinc induced polyelectrolyte coacervate bioadhesive and its transition to a self-healing hydrogel. RSC Advances, 2015, 5, 66871-66878.	1.7	78

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37	Film stability control. Current Opinion in Colloid and Interface Science, 2002, 7, 42-49.	3.4	77
38	Oneâ€Step Formulation of Protein Microparticles with Tailored Properties: Hard Templating at Soft Conditions. Advanced Functional Materials, 2012, 22, 1914-1922.	7.8	77
39	Effect of polyelectrolyte/surfactant combinations on the stability of foam films. Soft Matter, 2010, 6, 849.	1.2	76
40	Two-Dimensional Aggregation and Semidilute Ordering in Cellulose Nanocrystals. Langmuir, 2016, 32, 442-450.	1.6	76
41	Effect of masker level on overshoot in runningâ€and frozenâ€noise maskers. Journal of the Acoustical Society of America, 1994, 95, 2192-2201.	0.5	75
42	Polymers and surfactants at fluid interfaces studied with specular neutron reflectometry. Advances in Colloid and Interface Science, 2017, 247, 130-148.	7.0	75
43	Temperature-induced changes in polyelectrolyte films at the solid-liquid interface. Applied Physics A: Materials Science and Processing, 2002, 74, s519-s521.	1.1	73
44	Evidence of Surface Charge at the Air/Water Interface from Thin-Film Studies on Polyelectrolyte-Coated Substrates. Langmuir, 2005, 21, 4790-4793.	1.6	71
45	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. Soft Matter, 2011, 7, 10899.	1.2	69
46	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.	1.6	66
47	Effects of Counterions and Co-ions on Foam Films Stabilized by Anionic Dodecyl Sulfate. Journal of Physical Chemistry B, 2010, 114, 15523-15529.	1.2	66
48	Dynamics of Linear Poly(N-isopropylacrylamide) in Water around the Phase Transition Investigated by Dielectric Relaxation Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 3750-3759.	1.2	66
49	Structuring of poly(DADMAC) chains in aqueous media: a comparison between bulk and free-standing film measurementsPreliminary results were published in Tenside, Surfactants, Detergents, 2000, 37, 338. They were also presented at some international conferences such as the IACIS in Bristol (23rdâ€“28th July 2000) and the LB9 in Potsdam (27th Augustâ€“1st September 2000).. Physical Chemistry Chemical Physics, 2002, 4, 1907-1914.	1.3	65
50	Concentration dependent effects of urea binding to poly(N-isopropylacrylamide) brushes: a combined experimental and numerical study. Physical Chemistry Chemical Physics, 2016, 18, 5324-5335.	1.3	61
51	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. Macromolecules, 2017, 50, 7333-7343.	2.2	61
52	Mesoscopic Ordering of Polyelectrolyte Chains in Foam Films:Â Role of Electrostatic Forces. Journal of Physical Chemistry B, 2000, 104, 5096-5101.	1.2	59
53	Polyelectrolyte Membranes. Advances in Polymer Science, 2004, , 177-210.	0.4	58
54	Halloysites Stabilized Emulsions for Hydroformylation of Long Chain Olefins. Advanced Materials Interfaces, 2017, 4, 1600435.	1.9	57

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55	Effect of Polymer Charge and Geometrical Confinement on Ion Distribution and the Structuring in Semidilute Polyelectrolyte Solutions:â€‰ Comparison between AFM and SAXS. Macromolecules, 2006, 39, 7364-7371.	2.2	56
56	Confinement of linear polymers, surfactants, and particles between interfaces. Advances in Colloid and Interface Science, 2010, 155, 19-31.	7.0	55
57	Loading of PNIPAM Based Microgels with CoFe₂O₄ Nanoparticles and Their Magnetic Response in Bulk and at Surfaces. Journal of Physical Chemistry B, 2015, 119, 12129-12137.	1.2	55
58	Effect of interface modification on forces in foam films and wetting films. Advances in Colloid and Interface Science, 2005, 114-115, 253-266.	7.0	54
59	Electrical Detection of Self-Assembled Polyelectrolyte Multilayers by a Thin Film Resistor. Macromolecules, 2006, 39, 463-466.	2.2	54
60	Oscillatory Structural Forces Due to Nonionic Surfactant Micelles: Data by Colloidalâˆ’Probe AFM vs Theory. Langmuir, 2010, 26, 915-923.	1.6	54
61	Brush/Gold Nanoparticle Hybrids: Effect of Grafting Density on the Particle Uptake and Distribution within Weak Polyelectrolyte Brushes. Langmuir, 2014, 30, 13033-13041.	1.6	54
62	Interaction of gold nanoparticles with thermoresponsive microgels: influence of the cross-linker density on optical properties. Physical Chemistry Chemical Physics, 2013, 15, 15623.	1.3	52
63	Photosensitive microgels containing azobenzene surfactants of different charges. Physical Chemistry Chemical Physics, 2017, 19, 108-117.	1.3	52
64	Surface Adsorption of Oppositely Charged SDS:C12TAB Mixtures and the Relation to Foam Film Formation and Stability. Journal of Physical Chemistry B, 2015, 119, 12877-12886.	1.2	51
65	Responsive Microgels at Surfaces and Interfaces. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1225-1250.	1.4	50
66	Impact of polymer shell on the formation and time evolution of nanoparticleâ€“protein corona. Colloids and Surfaces B: Biointerfaces, 2013, 104, 213-220.	2.5	48
67	Surfactant and metal ion effects on the mechanical properties of alginate hydrogels. International Journal of Biological Macromolecules, 2016, 92, 220-224.	3.6	48
68	Formation and Dielectric Properties of Polyelectrolyte Multilayers Studied by a Silicon-on-Insulator Based Thin Film Resistor. Langmuir, 2007, 23, 4048-4052.	1.6	46
69	Polyelectrolyte Multilayers: Towards Single Cell Studies. Polymers, 2014, 6, 1502-1527.	2.0	46
70	About different types of water in swollen polyelectrolyte multilayers. Advances in Colloid and Interface Science, 2014, 207, 325-331.	7.0	46
71	Poly(N-isopropylacrylamide) Microgels under Alcoholic Intoxication: When a LCST Polymer Shows Swelling with Increasing Temperature. ACS Macro Letters, 2017, 6, 1042-1046.	2.3	45
72	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.	1.2	45

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73	Immobilization of lipase B within micron-sized poly-N-isopropylacrylamide hydrogel particles by solvent exchange. Physical Chemistry Chemical Physics, 2012, 14, 9594.	1.3	43
74	Long-Range Interactions between Soft Colloidal Particles in Slitâ^'Pore Geometries. Journal of Physical Chemistry B, 2007, 111, 1296-1303.	1.2	42
75	Structuring of Polyelectrolyte (NaPSS) Solutions in Bulk and under Confinement as a Function of Concentration and Molecular Weight. Macromolecules, 2011, 44, 7782-7791.	2.2	42
76	Inner Structure of Adsorbed Ionic Microgel Particles. Langmuir, 2014, 30, 7168-7176.	1.6	42
77	Particle Stabilized Aqueous Foams at Different Length Scales: Synergy between Silica Particles and Alkylamines. Langmuir, 2015, 31, 1615-1622.	1.6	42
78	Swelling of Polyelectrolyte Multilayers: The Relation Between, Surface and Bulk Characteristics. Journal of Physical Chemistry B, 2015, 119, 11879-11886.	1.2	42
79	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.	2.3	40
80	Foam Films Stabilized by Dodecyl Maltoside. 1. Film Thickness and Free Energy of Film Formation. Langmuir, 2004, 20, 6352-6358.	1.6	40
81	Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 1:Â Lateral Chain Density and Conformation. Journal of Physical Chemistry B, 2006, 110, 9171-9176.	1.2	40
82	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.	2.0	40
83	Interfacial properties of Quillaja saponins and its use for micellisation of lutein esters. Food Chemistry, 2016, 212, 35-42.	4.2	40
84	Biopolymers for dye removal via foam separation. Separation and Purification Technology, 2017, 188, 451-457.	3.9	40
85	Structuring of colloidal suspensions confined between a silica microsphere and an air bubble. Soft Matter, 2011, 7, 5329.	1.2	39
86	Nanomechanics and Nanorheology of Microgels at Interfaces. Polymers, 2018, 10, 978.	2.0	39
87	GelTouch. , 2015, , .		39
88	Tuning of Foam Film Thickness by Different (Poly)electrolyte/Surfactant Combinationsâ€. Journal of Physical Chemistry B, 2003, 107, 8152-8157.	1.2	38
89	No Charge Reversal at Foam Film Surfaces after Addition of Oppositely Charged Polyelectrolytes?. Journal of Physical Chemistry B, 2009, 113, 7986-7990.	1.2	38
90	A New Multiresponsive Drug Delivery System using Smart Nanogels. ChemPhysChem, 2013, 14, 2833-2840.	1.0	38

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91	Photoresponsive self-assemblies based on fatty acids. Chemical Communications, 2015, 51, 2907-2910.	2.2	38
92	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. Journal of Physical Chemistry B, 2015, 119, 10348-10358.	1.2	38
93	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.	4.0	38
94	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.	1.2	37
95	Stratification of Foam Films Containing Polyelectrolytes. Influence of the Polymer Backboneâ€™s Rigidity. Journal of Physical Chemistry B, 2009, 113, 3972-3980.	1.2	37
96	Negative charges at the air/water interface and their consequences for aqueous wetting films containing surfactants. Faraday Discussions, 2009, 141, 41-53.	1.6	37
97	Using Hydrogel Microparticles To Transfer Hydrophilic Nanoparticles and Enzymes to Organic Media via Stepwise Solvent Exchange. Langmuir, 2010, 26, 12980-12987.	1.6	37
98	Growth behaviour and mechanical properties of PLL/HA multilayer films studied by AFM. Beilstein Journal of Nanotechnology, 2012, 3, 778-788.	1.5	37
99	Foam Films from Oppositely Charged Polyelectolyte/Surfactant Mixtures: Effect of Polyelectrolyte and Surfactant Hydrophobicity on Film Stability. Langmuir, 2010, 26, 9321-9327.	1.6	36
100	The dielectric signature of poly(N-isopropylacrylamide) microgels at the volume phase transition: dependence on the crosslinking density. Soft Matter, 2013, 9, 4464.	1.2	36
101	Effect of Ionic Strength and Layer Number on Swelling of Polyelectrolyte Multilayers in Water Vapour. Soft Materials, 2013, 11, 157-164.	0.8	36
102	Temperature effect on the build-up of exponentially growing polyelectrolyte multilayers. An exponential-to-linear transition point. Physical Chemistry Chemical Physics, 2016, 18, 7866-7874.	1.3	35
103	Impact of surface charges on the solvation forces in confined colloidal solutions. Journal of Chemical Physics, 2009, 131, 154702.	1.2	34
104	Immobilization of Water-Soluble HRP within Poly-N-isopropylacrylamide Microgel Particles for Use in Organic Media. Langmuir, 2013, 29, 16002-16009.	1.6	34
105	Influence of Nanoparticles and Drop Size Distributions on the Rheology of w/o Pickering Emulsions. Chemie-Ingenieur-Technik, 2016, 88, 1815-1826.	0.4	34
106	Stability of Foam Films of Oppositely Charged Polyelectrolyte/Surfactant Mixtures: Effect of Isoelectric Point. Journal of Physical Chemistry B, 2011, 115, 14475-14483.	1.2	33
107	Ion distribution in dry polyelectrolyte multilayers: a neutron reflectometry study. Soft Matter, 2018, 14, 1699-1708.	1.2	32
108	Asymptotic structure of charged colloids between two and three dimensions: the influence of salt. Journal of Physics Condensed Matter, 2008, 20, 494232.	0.7	31

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109	Effect of polyelectrolytes on (de)stability of liquid foam films. Soft Matter, 2014, 10, 6903-6916.	1.2	31
110	Reversible Activation of Diblock Copolymer Monolayers at the Interface by pH Modulation, 2:Â Membrane Interactions at the Solid/Liquid Interface. Journal of Physical Chemistry B, 2006, 110, 9177-9182.	1.2	30
111	Correlation between specific ion adsorption at the air/water interface and longâ€“range interactions in colloidal systems. Soft Matter, 2011, 7, 2936.	1.2	30
112	Probing the phase transition of aqueous solutions of linear low molecular weight poly(N-isopropylacrylamide) by dielectric spectroscopy. Soft Matter, 2012, 8, 12116.	1.2	30
113	Microgels at the Water/Oil Interface: In Situ Observation of Structural Aging and Two-Dimensional Magnetic Bead Microrheology. Langmuir, 2016, 32, 712-722.	1.6	30
114	Combined Cononsolvency and Temperature Effects on Adsorbed PNIPAM Microgels. Langmuir, 2017, 33, 14269-14277.	1.6	30
115	Tailoring PNIPAM hydrogels for large temperature-triggered changes in mechanical properties. Colloid and Polymer Science, 2019, 297, 633-640.	1.0	30
116	The effect of polymer charge density and charge distribution on the formation of multilayers. Journal of Physics Condensed Matter, 2003, 15, S213-S218.	0.7	29
117	Orientation-Controlled Electrocatalytic Efficiency of an Adsorbed Oxygen-Tolerant Hydrogenase. PLoS ONE, 2015, 10, e0143101.	1.1	29
118	Water Contact Angle On Polyelectrolyteâ€Coated Surfaces: Effects of Film Swelling and Droplet Evaporation. Soft Materials, 2007, 5, 61-73.	0.8	28
119	Polyelectrolytes in thin liquid films. Current Opinion in Colloid and Interface Science, 2010, 15, 303-314.	3.4	28
120	Short versus long chain polyelectrolyte multilayers: a direct comparison of self-assembly and structural properties. Physical Chemistry Chemical Physics, 2014, 16, 21988-21998.	1.3	28
121	Macroscopic and Microscopic Elasticity of Heterogeneous Polymer Gels. ACS Macro Letters, 2015, 4, 698-703.	2.3	28
122	Structure and Rheology of Microgel Monolayers at the Water/Oil Interface. Macromolecules, 2017, 50, 3680-3689.	2.2	28
123	Stability of aqueous foam films and foams containing polymers: Discrepancies between different length scales. Current Opinion in Colloid and Interface Science, 2020, 50, 101379.	3.4	28
124	Charged silica suspensions as model materials for liquids in confined geometries. Soft Matter, 2010, 6, 2330.	1.2	26
125	Adhesion Property Profiles of Supported Thin Polymer Films. ACS Applied Materials & Interfaces, 2013, 5, 6300-6306.	4.0	26
126	On the structure of biocompatible, thermoresponsive poly(ethyleneÂglycol) microgels. Polymer, 2014, 55, 6717-6724.	1.8	26

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127	Influence of the cross-linker content on adsorbed functionalised microgel coatings. Polymer, 2019, 169, 29-35.	1.8	26
128	The impact of the cononsolvency effect on poly (N-isopropylacrylamide) based microgels at interfaces. Colloid and Polymer Science, 2014, 292, 2439-2452.	1.0	25
129	Temperature-induced molecular transport through polymer multilayers coated with PNIPAM microgels. Physical Chemistry Chemical Physics, 2015, 17, 12771-12777.	1.3	25
130	Distribution of CoFe₂O₄ Nanoparticles Inside PNIPAM-Based Microgels of Different Cross-linker Distributions. Journal of Physical Chemistry B, 2019, 123, 2405-2413.	1.2	25
131	Engineered Ovalbumin Nanoparticles for Cancer Immunotherapy. Advanced Therapeutics, 2020, 3, 2000100.	1.6	25
132	Microgels at droplet interfaces of water-in-oil emulsionsâ€"challenges and progress. Current Opinion in Colloid and Interface Science, 2022, 58, 101561.	3.4	25
133	Transport through ultrathin polyelectrolyte films. Thin Solid Films, 1996, 284-285, 352-356.	0.8	24
134	Effect of pH, co-monomer content, and surfactant structure on the swelling behavior of microgel-azobenzene-containing surfactant complex. Polymer, 2014, 55, 6513-6518.	1.8	24
135	IR-light triggered drug delivery from micron-sized polymer biocoatings. Journal of Controlled Release, 2010, 148, e70-e71.	4.8	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, 1089-1117.	1.4	22
137	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, 348-358.	1.2	22
138	Multiscaling Approach for Non-Destructive Adhesion Studies of Metal/Polymer Composites. ACS Applied Materials & Interfaces, 2015, 7, 16247-16256.	4.0	22
139	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, 3365-3374.	1.6	22
140	Communication: Light driven remote control of microgelsâ€™ size in the presence of photosensitive surfactant: Complete phase diagram. Journal of Chemical Physics, 2017, 147, 031101.	1.2	22
141	Cooling-Triggered Release from Mesoporous Poly(N-isopropylacrylamide) Microgels at Physiological Conditions. ACS Applied Materials & Interfaces, 2020, 12, 57401-57409.	4.0	22
142	Recent progress in measurements of oscillatory forces and liquid properties under confinement. Current Opinion in Colloid and Interface Science, 2020, 47, 137-152.	3.4	22
143	Temperature Response of PNIPAM Derivatives at Planar Surfaces: Comparison between Polyelectrolyte Multilayers and Adsorbed Microgels. ChemPhysChem, 2010, 11, 3571-3579.	1.0	21
144	Oscillatory Forces of Nanoparticle Suspensions Confined between Rough Surfaces Modified with Polyelectrolytes via the Layer-by-Layer Technique. Langmuir, 2012, 28, 6313-6321.	1.6	21

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145	Uptake of pH-Sensitive Gold Nanoparticles in Strong Polyelectrolyte Brushes. Polymers, 2016, 8, 134.	2.0	21
146	Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. Polymer, 2016, 98, 454-463.	1.8	21
147	Fluorescence Spectroscopy on Polyelectrolyte Free Standing Films. Macromolecules, 2002, 35, 2861-2864.	2.2	20
148	Interactions across liquid thin films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 97-109.	2.3	20
149	Effects of oppositely charged surfactants on the stability of foam films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 382, 165-173.	2.3	20
150	Bulk Phase and Surface Dynamics of PEG Microgel Particles. Macromolecules, 2015, 48, 5807-5815.	2.2	20
151	Tuning Pickering Emulsions for Optimal Reaction and Filtration Conditions. Chemie-Ingenieur-Technik, 2016, 88, 1827-1832.	0.4	20
152	Hydration and Solvent Exchange Induced Swelling and Deswelling of Homogeneous Poly(N-isopropylacrylamide) Microgel Thin Films. Langmuir, 2019, 35, 16341-16352.	1.6	20
153	Ethylene Glycol-Based Microgels at Solid Surfaces: Swelling Behavior and Control of Particle Number Density. Langmuir, 2015, 31, 2202-2210.	1.6	19
154	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.	1.2	19
155	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.	7.0	19
156	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.	1.8	19
157	New structural approach to rationalize the foam film stability of oppositely charged polyelectrolyte/surfactant mixtures. Chemical Communications, 2020, 56, 952-955.	2.2	19
158	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, 375-390.	0.9	18
159	Smart Foams: New Perspectives Towards Responsive Composite Materials. Angewandte Chemie - International Edition, 2011, 50, 11290-11292.	7.2	18
160	Characteristics of Stable Pickering Emulsions under Process Conditions. Chemie-Ingenieur-Technik, 2016, 88, 1806-1814.	0.4	18
161	Temperature responsive behavior of polymer brush/polyelectrolyte multilayer composites. Soft Matter, 2016, 12, 1176-1183.	1.2	18
162	Coreâ€“Shellâ€“Corona Silica Hybrid Nanoparticles Templated by Spherical Polyelectrolyte Brushes: A Study by Small Angle X-ray Scattering. Langmuir, 2017, 33, 9857-9865.	1.6	17

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163	DLS Setup for in Situ Measurements of Photoinduced Size Changes of Microgel-Based Hybrid Particles. Langmuir, 2018, 34, 3597-3603.	1.6	17
164	Ion Distribution in Polyelectrolyte Multilayers with Standing-Wave X-ray Fluorescence. Journal of Physical Chemistry B, 2007, 111, 4036-4042.	1.2	16
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