Regine von Klitzing

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7446778/publications.pdf

Version: 2024-02-01

265 papers	10,388 citations	32410 55 h-index	58552 86 g-index

271 all docs	271 docs citations	271 times ranked	9864 citing authors

#	Article	IF	Citations
1	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
2	Magnetic response of CoFe₂O₄ nanoparticles confined in a PNIPAM microgel network. Soft Matter, 2022, 18, 1089-1099.	1.2	0
3	Copolymerization Kinetics of Dopamine Methacrylamide during PNIPAM Microgel Synthesis for Increased Adhesive Properties. Langmuir, 2022, 38, 5275-5285.	1.6	7
4	Cohesion Gain Induced by Nanosilica Consolidants for Monumental Stone Restoration. Langmuir, 2022, 38, 6949-6958.	1.6	2
5	Insights into Extended Structures and Their Driving Force: Influence of Salt on Polyelectrolyte/Surfactant Mixtures at the Air/Water Interface. ACS Applied Materials & Interfaces, 2022, 14, 27347-27359.	4.0	13
6	Impact of aluminum particles on drop size distributions and phase separation in liquid multiphase systems. Chemical Engineering Research and Design, 2022, 184, 603-613.	2.7	0
7	Amphiphilic Polymer Conetwork Gel Films Based on Tetra-Poly(ethylene Glycol) and Tetra-Poly(Îµ-Caprolactone). Polymers, 2022, 14, 2555.	2.0	4
8	A new model to describe small-angle neutron scattering from foams. Journal of Applied Crystallography, 2022, 55, 758-768.	1.9	5
9	Dielectric function of a polymer brush functionalized with gold nanoparticles determined from spectroscopic ellipsometry. , 2022, , .		0
10	The quantitative impact of fluid vs. solid interfaces on the catalytic performance of pickering emulsions. Physical Chemistry Chemical Physics, 2021, 23, 2355-2367.	1.3	10
11	Looking inside Poly(N-isopropylacrylamide) Microgels: Nanomechanics and Dynamics at Solidâ€"Liquid Interfaces. ACS Applied Polymer Materials, 2021, 3, 976-985.	2.0	15
12	Model Surfaces for Paper Fibers Prepared from Carboxymethyl Cellulose and Polycations. Polymers, 2021, 13, 435.	2.0	2
13	Untangling superposed double layer and structural forces across confined nanoparticle suspensions. Physical Chemistry Chemical Physics, 2021, 23, 1325-1334.	1.3	7
14	Exploring water in oil emulsions simultaneously stabilized by solid hydrophobic silica nanospheres and hydrophilic soft PNIPAM microgel. Soft Matter, 2021, 17, 8258-8268.	1.2	10
15	Understanding near-surface polymer dynamics by a combination of grazing-incidence neutron scattering and virtual experiments. Journal of Applied Crystallography, 2021, 54, 72-79.	1.9	2
16	Flexible Sample Environments for the Investigation of Soft Matter at the European Spallation Source: Part Iâ€"The In Situ SANS/DLS Setup. Applied Sciences (Switzerland), 2021, 11, 4089.	1.3	7
17	Flexible Sample Environment for the Investigation of Soft Matter at the European Spallation Source: Part Iiâ€"The GISANS Setup. Applied Sciences (Switzerland), 2021, 11, 4036.	1.3	12
18	Visualization of Acoustic Energy Absorption in Confined Aqueous Solutions by PNIPAM Microgels: Effects of Bulk Viscosity. Langmuir, 2021, 37, 5854-5863.	1.6	11

#	Article	IF	Citations
19	Flexible Sample Environments for the Investigation of Soft Matter at the European Spallation Source: Part IIIâ€"The Macroscopic Foam Cell. Applied Sciences (Switzerland), 2021, 11, 5116.	1.3	8
20	Influence of intramolecular charge coupling on intermolecular interactions of polycarboxybetaines in aqueous solution and in polyelectrolyte multilayers. Molecular Physics, 2021, 119, .	0.8	0
21	Shape and Structure Formation of Mixed Nonionicâ€"Anionic Surfactant Micelles. Molecules, 2021, 26, 4136.	1.7	12
22	Non-monotonic speed-dependence of microswimmers on wall distance. Soft Matter, 2021, 17, 9428-9433.	1.2	6
23	New structural approach to rationalize the foam film stability of oppositely charged polyelectrolyte/surfactant mixtures. Chemical Communications, 2020, 56, 952-955.	2.2	19
24	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
25	Selective uptake of different proteins by annealed and quenched cationic spherical polyelectrolyte brushes. Journal of Polymer Science, 2020, 58, 3018-3030.	2.0	8
26	Influence of particle type and concentration on the ultrafiltration behavior of nanoparticle stabilized Pickering emulsions and suspensions. Separation and Purification Technology, 2020, 252, 117457.	3.9	12
27	Oil-in-Water Pickering Emulsions Stabilized by Halloysite Clay Nanotubes Toward Efficient Filterability. ACS Applied Nano Materials, 2020, 3, 11743-11751.	2.4	14
28	Cooling-Triggered Release from Mesoporous Poly(N-isopropylacrylamide) Microgels at Physiological Conditions. ACS Applied Materials & Interfaces, 2020, 12, 57401-57409.	4.0	22
29	Self-Propulsion of Janus Particles near a Brush-Functionalized Substrate. Langmuir, 2020, 36, 7775-7780.	1.6	16
30	Interaction among Spherical Polyelectrolyte Brushes in Concentrated Aqueous Solution. Langmuir, 2020, 36, 3104-3110.	1.6	6
31	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
32	Engineered Ovalbumin Nanoparticles for Cancer Immunotherapy. Advanced Therapeutics, 2020, 3, 2000100.	1.6	25
33	Charge Density Gradients of Polymer Thin Film by Gaseous Phase Quaternization. ACS Macro Letters, 2020, 9, 158-162.	2.3	2
34	Interaction of Different Charged Polymers with Potassium Ions and Their Effect on the Yield Stress of Highly Concentrated Glass Bead Suspensions. Materials, 2020, 13, 1490.	1.3	1
35	Wavelength frame multiplication for reflectometry at long-pulse neutron sources. Review of Scientific Instruments, 2020, 91, 125111.	0.6	2
36	Particle Interactions in Silica Systems in Presence of Superplasticizer. RILEM Bookseries, 2020, , 571-579.	0.2	1

#	Article	IF	Citations
37	Rheological Properties of Silica Beads in the Presence of Different Polymers and Electrolyte. RILEM Bookseries, 2020, , 619-627.	0.2	1
38	Influence of Different Accelerators on the Rheology and Early Hydration of Cement Paste. RILEM Bookseries, 2020, , 106-115.	0.2	2
39	Synthesis and Analysis of Spherical Cementitious Model Particles. RILEM Bookseries, 2020, , 602-609.	0.2	2
40	One-step procedure for the preparation of functional polysaccharide/fatty acid multilayered coatings. Communications Chemistry, 2019, 2, .	2.0	10
41	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
42	Preface to the Growth of Colloid and Interface Science Special Issue. Langmuir, 2019, 35, 8517-8518.	1.6	1
43	Hydration and Solvent Exchange Induced Swelling and Deswelling of Homogeneous Poly(N-isopropylacrylamide) Microgel Thin Films. Langmuir, 2019, 35, 16341-16352.	1.6	20
44	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
45	From macroscopic mechanics to cell-effective stiffness within highly aligned macroporous collagen scaffolds. Materials Science and Engineering C, 2019, 103, 109760.	3.8	10
46	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
47	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
48	Influence of the cross-linker content on adsorbed functionalised microgel coatings. Polymer, 2019, 169, 29-35.	1.8	26
49	Tailoring PNIPAM hydrogels for large temperature-triggered changes in mechanical properties. Colloid and Polymer Science, 2019, 297, 633-640.	1.0	30
50	Stimuli-responsive polymer/metal composites: From fundamental research to self-regulating devices. Current Opinion in Colloid and Interface Science, 2019, 44, 193-207.	3.4	6
51	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
52	DLS Setup for in Situ Measurements of Photoinduced Size Changes of Microgel-Based Hybrid Particles. Langmuir, 2018, 34, 3597-3603.	1.6	17
53	Mineral-Enhanced Polyacrylic Acid Hydrogel as an Oyster-Inspired Organicâ€“Inorganic Hybrid Adhesive. ACS Applied Materials & Interfaces, 2018, 10, 10471-10479.	4.0	142
54	Swelling Behavior of Composite Systems: Mutual Effects between Polyelectrolyte Brushes and Multilayers. Macromolecules, 2018, 51, 2996-3005.	2.2	11

#	Article	IF	Citations
55	Ion distribution in dry polyelectrolyte multilayers: a neutron reflectometry study. Soft Matter, 2018, 14, 1699-1708.	1.2	32
56	Grazing incidence SANS and reflectometry combined with simulation of adsorbed microgel particles. Physica B: Condensed Matter, 2018, 551, 172-178.	1.3	11
57	Making strong polyelectrolyte brushes pH-sensitive by incorporation of gold nanoparticles. Soft Matter, 2018, 14, 4029-4039.	1.2	15
58	Colloidal polymer particles as catalyst carriers and phase transfer agents in multiphasic hydroformylation reactions. Journal of Colloid and Interface Science, 2018, 513, 638-646.	5.0	10
59	Characterization of hollow silicaâ€“polyelectrolyte composite nanoparticles by small-angle X-ray scattering. Journal of Materials Science, 2018, 53, 3210-3224.	1.7	8
60	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.	1.0	4
61	Symmetric Cladding Thin Film Waveguides: From Lossy Media to Disordered Nanostructures. ACS Photonics, 2018, 5, 5110-5118.	3.2	3
62	Helmuth MÃ¶hwald (1946â€“2018). Angewandte Chemie, 2018, 130, 10576-10576.	1.6	0
63	Nanomechanics and Nanorheology of Microgels at Interfaces. Polymers, 2018, 10, 978.	2.0	39
64	Externally Triggered Oscillatory Structural Forces. Langmuir, 2018, 34, 11526-11533.	1.6	6
65	Water Uptake of Polyelectrolyte Multilayers Including Water Condensation in Voids. Langmuir, 2018, 34, 11518-11525.	1.6	14
66	Helmuth MÃ¶hwald (1946â€“2018). Angewandte Chemie - International Edition, 2018, 57, 10418-10418.	7.2	0
67	Gold nanoparticle distribution in polyelectrolyte brushes loaded at different pH conditions. Journal of Chemical Physics, 2018, 149, 163322.	1.2	9
68	Multiphasic aqueous hydroformylation of 1-alkenes with micelle-like polymer particles as phase transfer agents. RSC Advances, 2018, 8, 23332-23338.	1.7	11
69	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.	1.5	12
70	Experimental evaluation of additional short ranged repulsion in structural oscillation forces. Soft Matter, 2018, 14, 5383-5392.	1.2	7
71	Effect of environmental parameters on the nano mechanical properties of hyaluronic acid/poly(<scp>l</scp>-lysine) multilayers. Physical Chemistry Chemical Physics, 2018, 20, 19082-19086.	1.3	6
72	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

#	Article	IF	Citations
73	Structure and Rheology of Microgel Monolayers at the Water/Oil Interface. Macromolecules, 2017, 50, 3680-3689.	2.2	28
74	The internal structure of PMETAC brush/gold nanoparticle composites: a neutron and X-ray reflectivity study. Physical Chemistry Chemical Physics, 2017, 19, 30636-30646.	1.3	12
75	Decoupling of Dynamic and Thermal Glass Transition in Thin Films of a PVME/PS Blend. ACS Macro Letters, 2017, 6, 1156-1161.	2.3	15
76	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.	1.7	6
77	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
78	Effect of anionic surfactant on alginateâ€chitosan polyelectrolyte multilayer thickness. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1798-1803.	2.4	3
79	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
80	Wetting of planar solid surfaces by bicontinuous sugar surfactant-based microemulsions. Colloid and Polymer Science, 2017, 295, 2183-2190.	1.0	5
81	Salt-Induced Aggregation of Negatively Charged Gold Nanoparticles Confined in a Polymer Brush Matrix. Macromolecules, 2017, 50, 7333-7343.	2.2	61
82	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
83	Polymers and surfactants at fluid interfaces studied with specular neutron reflectometry. Advances in Colloid and Interface Science, 2017, 247, 130-148.	7.0	75
84	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
85	Combined Cononsolvency and Temperature Effects on Adsorbed PNIPAM Microgels. Langmuir, 2017, 33, 14269-14277.	1.6	30
86	Biopolymers for dye removal via foam separation. Separation and Purification Technology, 2017, 188, 451-457.	3.9	40
87	Oddâ€even effect during layerâ€byâ€layer assembly of polyelectrolytes inspired by marine mussel. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 245-255.	2.4	12
88	Halloysites Stabilized Emulsions for Hydroformylation of Long Chain Olefins. Advanced Materials Interfaces, 2017, 4, 1600435.	1.9	57
89	Photosensitive microgels containing azobenzene surfactants of different charges. Physical Chemistry Chemical Physics, 2017, 19, 108-117.	1.3	52
90	Mass Transfer and Drop Size Distributions in Reactive Nanoparticleâ€Stabilized Multiphase Systems. Chemie-Ingenieur-Technik, 2017, 89, 1561-1573.	0.4	9

#	Article	IF	Citations
91	The Effect of Temperature Treatment on the Structure of Polyelectrolyte Multilayers. Polymers, 2016, 8, 120.	2.0	15
92	Uptake of pH-Sensitive Gold Nanoparticles in Strong Polyelectrolyte Brushes. Polymers, 2016, 8, 134.	2.0	21
93	Interfacial properties of Quillaja saponins and its use for micellisation of lutein esters. Food Chemistry, 2016, 212, 35-42.	4.2	40
94	Extraction of model contaminants from solid surfaces by environmentally compatible microemulsions. Journal of Colloid and Interface Science, 2016, 471, 118-126.	5.0	14
95	Separation of Storage and Loss Modulus of Polyelectrolyte Multilayers on a Nanoscale: A Dynamic AFM Study. Langmuir, 2016, 32, 10505-10512.	1.6	9
96	Surface adsorption of sulfonated poly(phenylene sulfone)/C14TAB mixtures and its correlation with foam film stability. Physical Chemistry Chemical Physics, 2016, 18, 18414-18423.	1.3	14
97	Surfactant and metal ion effects on the mechanical properties of alginate hydrogels. International Journal of Biological Macromolecules, 2016, 92, 220-224.	3.6	48
98	Sugar Surfactant Based Microemulsions at Solid Surfaces: Influence of the Oil Type and Surface Polarity. Langmuir, 2016, 32, 11928-11938.	1.6	12
99	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
100	Einfluss von Nanopartikeln auf den Stofftransport und die TropfengrÃ¶ÃŸe in gerÃ¼hrten FlÃ¼ssig/FlÃ¼ssig-Systemen. Chemie-Ingenieur-Technik, 2016, 88, 1299-1299.	0.4	0
101	Characteristics of Stable Pickering Emulsions under Process Conditions. Chemie-Ingenieur-Technik, 2016, 88, 1806-1814.	0.4	18
102	Tuning Pickering Emulsions for Optimal Reaction and Filtration Conditions. Chemie-Ingenieur-Technik, 2016, 88, 1827-1832.	0.4	20
103	Trennung von w/o Pickering Emulsionen mittels Ultrafiltration. Chemie-Ingenieur-Technik, 2016, 88, 1333-1333.	0.4	0
104	Transparent Aluminium Oxide Coatings of Polymer Brushes. Angewandte Chemie - International Edition, 2016, 55, 5028-5034.	7.2	7
105	Effect of gold nanoparticle hydrophobicity on thermally induced color change of PNIPAM brush/gold nanoparticle hybrids. Polymer, 2016, 98, 454-463.	1.8	21
106	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
107	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
108	Verteilungsgleichgewichte von Liganden in mizellaren LÃ¶sungsmittelsystemen. Chemie-Ingenieur-Technik, 2016, 88, 119-127.	0.4	9

#	Article	IF	Citations
109	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
110	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
111	Two-Dimensional Aggregation and Semidilute Ordering in Cellulose Nanocrystals. Langmuir, 2016, 32, 442-450.	1.6	76
112	Temperature responsive behavior of polymer brush/polyelectrolyte multilayer composites. Soft Matter, 2016, 12, 1176-1183.	1.2	18
113	Orientation-Controlled Electrocatalytic Efficiency of an Adsorbed Oxygen-Tolerant Hydrogenase. PLoS ONE, 2015, 10, e0143101.	1.1	29
114	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
115	Gerhard Findenegg: A Scientific Life in Soft Matter at Interfaces. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1037-1040.	1.4	0
116	A look inside particle stabilized foamsâ€"particle structure and dynamics. Journal Physics D: Applied Physics, 2015, 48, 434003.	1.3	6
117	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
118	Particle Stabilized Aqueous Foams at Different Length Scales: Synergy between Silica Particles and Alkylamines. Langmuir, 2015, 31, 1615-1622.	1.6	42
119	Ethylene Glycol-Based Microgels at Solid Surfaces: Swelling Behavior and Control of Particle Number Density. Langmuir, 2015, 31, 2202-2210.	1.6	19
120	Photoresponsive self-assemblies based on fatty acids. Chemical Communications, 2015, 51, 2907-2910.	2.2	38
121	Transport processes at single droplets in micellar liquid/liquid systems. AICHE Journal, 2015, 61, 1092-1104.	1.8	9
122	Responsive Microgels at Surfaces and Interfaces. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1225-1250.	1.4	50
123	Evolution of Size and Structure during the Polymerization Process: A SANS Study on EG-Based Microgels. Macromolecules, 2015, 48, 4901-4909.	2.2	9
124	Thermoresponsive PDMAEMA Brushes: Effect of Gold Nanoparticle Deposition. Journal of Physical Chemistry B, 2015, 119, 10348-10358.	1.2	38
125	Zinc induced polyelectrolyte coacervate bioadhesive and its transition to a self-healing hydrogel. RSC Advances, 2015, 5, 66871-66878.	1.7	78
126	Bulk Phase and Surface Dynamics of PEG Microgel Particles. Macromolecules, 2015, 48, 5807-5815.	2.2	20

#	Article	IF	Citations
127	Multiscaling Approach for Non-Destructive Adhesion Studies of Metal/Polymer Composites. ACS Applied Materials & Interfaces, 2015, 7, 16247-16256.	4.0	22
128	Macroscopic and Microscopic Elasticity of Heterogeneous Polymer Gels. ACS Macro Letters, 2015, 4, 698-703.	2.3	28
129	Ion specific effects in foam films. Current Opinion in Colloid and Interface Science, 2015, 20, 124-129.	3.4	12
130	Temperature-induced molecular transport through polymer multilayers coated with PNIPAM microgels. Physical Chemistry Chemical Physics, 2015, 17, 12771-12777.	1.3	25
131	Silica nanoparticle suspensions under confinement of thin liquid films. Journal of Colloid and Interface Science, 2015, 449, 522-529.	5.0	12
132	Swelling of Polyelectrolyte Multilayers: The Relation Between, Surface and Bulk Characteristics. Journal of Physical Chemistry B, 2015, 119, 11879-11886.	1.2	42
133	Thermal and corrosion (in)stability of polyamide 6 studied by broadband dielectric spectroscopy. Polymer, 2015, 75, 34-43.	1.8	16
134	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
135	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
136	Responsive Aqueous Foams. ChemPhysChem, 2015, 16, 66-75.	1.0	95
137	GelTouch. , 2015, , .		39
138	Colloidal Particles in Thin Liquid Films. , 2015, , 3-19.		1
139	Polyelectrolyte Multilayers: Towards Single Cell Studies. Polymers, 2014, 6, 1502-1527.	2.0	46
140	Grazing incidence neutron spin echo spectroscopy: instrumentation aspects and scientific opportunities. Journal of Physics: Conference Series, 2014, 528, 012025.	0.3	8
141	Visualization of Realâ€Time Degradation of pHâ€Responsive Polyglycerol Nanogels via Atomic Force Microscopy. Macromolecular Rapid Communications, 2014, 35, 2018-2022.	2.0	9
142	On the structure of biocompatible, thermoresponsive poly(ethyleneÂglycol) microgels. Polymer, 2014, 55, 6717-6724.	1.8	26
143	Einfluss von transmembraner Druckdifferenz, Partikelgehalt und Phasenanteil auf das Filtrationsverhalten von Pickering-Emulsionen. Chemie-Ingenieur-Technik, 2014, 86, 1528-1529.	0.4	0
144	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

#	Article	IF	Citations
145	Stick-Slip Mechanisms at the Nanoscale. Soft Materials, 2014, 12, S106-S114.	0.8	13
146	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
147	About different types of water in swollen polyelectrolyte multilayers. Advances in Colloid and Interface Science, 2014, 207, 325-331.	7.0	46
148	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.	2.3	6
149	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
150	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
151	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
152	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
153	Layer-by-Layer Formation of Oligoelectrolyte Multilayers: A Combined Experimental and Computational Study. Soft Materials, 2014, 12, S14-S21.	0.8	13
154	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
155	Effect of polyelectrolytes on (de)stability of liquid foam films. Soft Matter, 2014, 10, 6903-6916.	1.2	31
156	Inner Structure of Adsorbed Ionic Microgel Particles. Langmuir, 2014, 30, 7168-7176.	1.6	42
157	Polyelectrolytes, Films-Specific Ion Effects in Thin Films. , 2014, , 1633-1639.		0
158	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
159	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
160	Poly-NIPAM Microgels with Different Cross-Linker Densities. , 2013, , 63-76.		11
161	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
162	Interaction forces between silica surfaces in cationic surfactant solutions: An atomic force microscopy study. Journal of Colloid and Interface Science, 2013, 402, 19-26.	5.0	16

#	Article	IF	Citations
163	Adhesion Property Profiles of Supported Thin Polymer Films. ACS Applied Materials & Interfaces, 2013, 5, 6300-6306.	4.0	26
164	Immobilization of Water-Soluble HRP within Poly-N-isopropylacrylamide Microgel Particles for Use in Organic Media. Langmuir, 2013, 29, 16002-16009.	1.6	34
165	Effect of Ionic Strength and Layer Number on Swelling of Polyelectrolyte Multilayers in Water Vapour. Soft Materials, 2013, 11, 157-164.	0.8	36
166	A New Multiresponsive Drug Delivery System using Smart Nanogels. ChemPhysChem, 2013, 14, 2833-2840.	1.0	38
167	Ordering of Polystyrene Nanoparticles on Substrates Pre-Coated with Different Polyelectrolyte Architectures. International Journal of Molecular Sciences, 2013, 14, 12893-12913.	1.8	3
168	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.	0.7	13
169	Multifunctional Dendritic Architectures: An Investigation of their Mechanical Properties. Materials Research Society Symposia Proceedings, 2012, 1403, 85.	0.1	0
170	Temperature Controlled Activity of Lipase B from Candida Antarctica after Immobilization within p-NIPAM Microgel Particles. Zeitschrift Fur Physikalische Chemie, 2012, 226, 749-759.	1.4	14
171	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.	2.3	6
172	Effect of Molecular Architecture on the Polyelectrolyte Structuring under Confinement. Macromolecules, 2012, 45, 3168-3176.	2.2	10
173	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
174	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
175	Scanning of Silicon Wafers in Contact with Aqueous CTAB Solutions below the CMC. Langmuir, 2012, 28, 3360-3368.	1.6	14
176	Tunable Plasmon Coupling in Distance-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 8862-8866.	1.6	85
177	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.	7.8	1
178	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
179	Growth behaviour and mechanical properties of PLL/HA multilayer films studied by AFM. Beilstein Journal of Nanotechnology, 2012, 3, 778-788.	1.5	37
180	Tuning Interfacial Properties and Colloidal Behavior of Hybrid Nanoparticles by Controlling the Polymer Precursor. Macromolecular Chemistry and Physics, 2012, 213, 2412-2419.	1.1	10

#	Article	IF	Citations
181	Oneâ€Step Formulation of Protein Microparticles with Tailored Properties: Hard Templating at Soft Conditions. Advanced Functional Materials, 2012, 22, 1914-1922.	7.8	77
182	Lightâ€Controlled Reversible Manipulation of Microgel Particle Size Using Azobenzeneâ€Containing Surfactant. Advanced Functional Materials, 2012, 22, 5000-5009.	7.8	97
183	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. Soft Matter, 2011, 7, 10899.	1.2	69
184	Structuring of colloidal suspensions confined between a silica microsphere and an air bubble. Soft Matter, 2011, 7, 5329.	1.2	39
185	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
186	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
187	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
188	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
189	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
190	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
191	Smart Foams: New Perspectives Towards Responsive Composite Materials. Angewandte Chemie - International Edition, 2011, 50, 11290-11292.	7.2	18
192	Versatile Phase Transfer of Gold Nanoparticles from Aqueous Media to Different Organic Media. Chemistry - A European Journal, 2011, 17, 4648-4654.	1.7	78
193	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
194	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
195	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
196	IR-light triggered drug delivery from micron-sized polymer biocoatings. Journal of Controlled Release, 2010, 148, e70-e71.	4.8	22
197	Temperature Response of PNIPAM Derivatives at Planar Surfaces: Comparison between Polyelectrolyte Multilayers and Adsorbed Microgels. ChemPhysChem, 2010, 11, 3571-3579.	1.0	21
198	Pure Protein Microspheres by Calcium Carbonate Templating. Angewandte Chemie - International Edition, 2010, 49, 9258-9261.	7.2	103

#	Article	IF	Citations
199	Confinement of linear polymers, surfactants, and particles between interfaces. Advances in Colloid and Interface Science, 2010, 155, 19-31.	7.0	55
200	Polyelectrolytes in thin liquid films. Current Opinion in Colloid and Interface Science, 2010, 15, 303-314.	3.4	28
201	Charged silica suspensions as model materials for liquids in confined geometries. Soft Matter, 2010, 6, 2330.	1.2	26
202	Using Hydrogel Microparticles To Transfer Hydrophilic Nanoparticles and Enzymes to Organic Media via Stepwise Solvent Exchange. Langmuir, 2010, 26, 12980-12987.	1.6	37
203	Oscillatory Structural Forces Due to Nonionic Surfactant Micelles: Data by Colloidalâˆ'Probe AFM vs Theory. Langmuir, 2010, 26, 915-923.	1.6	54
204	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
205	Viscosity of Polyelectrolytes Solutions in Nanofilms. Langmuir, 2010, 26, 7819-7823.	1.6	8
206	Effect of polyelectrolyte/surfactant combinations on the stability of foam films. Soft Matter, 2010, 6, 849.	1.2	76
207	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
208	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
209	Impact of surface charges on the solvation forces in confined colloidal solutions. Journal of Chemical Physics, 2009, 131, 154702.	1.2	34
210	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
211	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
212	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
213	Specific Ion versus Electrostatic Effects on the Construction of Polyelectrolyte Multilayers. Langmuir, 2009, 25, 14061-14070.	1.6	102
214	Thermoresponsive surfaces by spin-coating of PNIPAM-co-PAA microgels: A combined AFM and ellipsometry study. Polymer, 2008, 49, 749-756.	1.8	164
215	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
216	Temperature, pH, and Ionic Strength Induced Changes of the Swelling Behavior of PNIPAMâˆ'Poly(allylacetic acid) Copolymer Microgels. Langmuir, 2008, 24, 6300-6306.	1.6	173

#	Article	IF	Citations
217	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
218	Surviving Structure in Colloidal Suspensions Squeezed from 3D to 2D. Physical Review Letters, 2008, 100, 118303.	2.9	95
219	Water Contact Angle On Polyelectrolyteâ€Coated Surfaces: Effects of Film Swelling and Droplet Evaporation. Soft Materials, 2007, 5, 61-73.	0.8	28
220	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
221	Ion Distribution in Polyelectrolyte Multilayers with Standing-Wave X-ray Fluorescence. Journal of Physical Chemistry B, 2007, 111, 4036-4042.	1.2	16
222	Comment on â€œHydrophobic Forces in the Foam Films Stabilized by Sodium Dodecyl Sulfate:â€‰ Effect of Electrolyteâ€•and Subsequent Criticism. Langmuir, 2007, 23, 12457-12460.	1.6	11
223	Spatial Distribution of Polyelectrolytes in Thin Free-Standing Aqueous Films Resolved with Fluorescence Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 5726-5734.	1.5	12
224	Long-Range Interactions between Soft Colloidal Particles in Slitâ^'Pore Geometries. Journal of Physical Chemistry B, 2007, 111, 1296-1303.	1.2	42
225	Lateral Mobility of Polyelectrolyte Chains in Multilayersâ€. Journal of Physical Chemistry B, 2007, 111, 8572-8581.	1.2	89
226	Responsive polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 3-13.	2.3	112
227	Hydration and internal properties of polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 14-29.	2.3	174
228	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
229	Interactions across liquid thin films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 97-109.	2.3	20
230	Internal structure of polyelectrolyte multilayer assemblies. Physical Chemistry Chemical Physics, 2006, 8, 5012.	1.3	393
231	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
232	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
233	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
234	Electrical Detection of Self-Assembled Polyelectrolyte Multilayers by a Thin Film Resistor. Macromolecules, 2006, 39, 463-466.	2.2	54

#	Article	IF	Citations
235	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
236	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
237	Short range interactions in polyelectrolyte multilayers. Current Opinion in Colloid and Interface Science, 2004, 9, 158-162.	3.4	111
238	Foam Films Stabilized by Dodecyl Maltoside. 1. Film Thickness and Free Energy of Film Formation. Langmuir, 2004, 20, 6352-6358.	1.6	40
239	Swelling Behavior of Polyelectrolyte Multilayers in Saturated Water Vapor. Macromolecules, 2004, 37, 7285-7289.	2.2	180
240	Polyelectrolyte Membranes. Advances in Polymer Science, 2004, , 177-210.	0.4	58
241	Tuning of Foam Film Thickness by Different (Poly)electrolyte/Surfactant Combinationsâ€. Journal of Physical Chemistry B, 2003, 107, 8152-8157.	1.2	38
242	Charge Effects on the Formation of Multilayers Containing Strong Polyelectrolytes. Journal of Physical Chemistry B, 2003, 107, 5273-5280.	1.2	119
243	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
244	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
245	Fluorescence Spectroscopy on Polyelectrolyte Free Standing Films. Macromolecules, 2002, 35, 2861-2864.	2.2	20
246	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
247	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
248	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
249	Film stability control. Current Opinion in Colloid and Interface Science, 2002, 7, 42-49.	3.4	77
250	Influence of Charge Density and Ionic Strength on the Multilayer Formation of Strong Polyelectrolytes. Langmuir, 2001, 17, 4471-4474.	1.6	212
251	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
252	Interactions between polyelectrolyte brushes in free-standing liquid films: influence of ionic strength. , 2001, , 195-199.		14

#	Article	IF	Citations
253	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
254	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
255	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
256	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
257	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
258	Forces in foam films containing polyelectrolyte and surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 149, 131-140.	2.3	93
259	Behavior of Soap Films Stabilized by a Cationic Dimeric Surfactant. Langmuir, 1998, 14, 4251-4260.	1.6	103
260	A Realistic Diffusion Model for Ultrathin Polyelectrolyte Films. Macromolecules, 1996, 29, 6901-6906.	2.2	146
261	Transport through ultrathin polyelectrolyte films. Thin Solid Films, 1996, 284-285, 352-356.	0.8	24
262	Proton Concentration Profile in Ultrathin Polyelectrolyte Films. Langmuir, 1995, 11, 3554-3559.	1.6	149
263	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
264	Potential Profiles Between Polyelectrolyte Multilayers and Spherical Colloids Measured with TIRM. , 0, , 52-57.		0
265	Oscillatory Structural Forces Across Dispersions of Micelles With Variable Surface Charge. , 0, 2, .		2