

Ralf Schweins

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218
papers

4,940
citations

40
h-index

54
g-index

229
ext. papers

5,574
ext. citations

5.2
avg, IF

5.58
L-index

#	Paper	IF	Citations
218	Collapse of sodium polyacrylate chains in calcium salt solutions. <i>European Physical Journal E</i> , 2001 , 5, 117-126	1.5	115
217	Structure of Micelles of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers in Aqueous Solution. <i>Macromolecules</i> , 2007 , 40, 4351-4362	5.5	110
216	Interpenetration of polymeric microgels at ultrahigh densities. <i>Scientific Reports</i> , 2017 , 7, 1487	4.9	95
215	Viscosity and diffusion: crowding and salt effects in protein solutions. <i>Soft Matter</i> , 2012 , 8, 1404-1419	3.6	78
214	Structure and Dynamics of Polyelectrolyte Complex Coacervates Studied by Scattering of Neutrons, X-rays, and Light. <i>Macromolecules</i> , 2013 , 46, 4596-4605	5.5	76
213	Salt-induced release of lipase from polyelectrolyte complex micelles. <i>Soft Matter</i> , 2009 , 5, 242-250	3.6	74
212	Direct Measurement of Polymer Chain Conformation in Well-Controlled Model Nanocomposites by Combining SANS and SAXS. <i>Macromolecules</i> , 2010 , 43, 9881-9891	5.5	73
211	Self-aggregation of mixtures of oppositely charged polyelectrolytes and surfactants studied by rheology, dynamic light scattering and small-angle neutron scattering. <i>Langmuir</i> , 2011 , 27, 4386-96	4	69
210	Nanofibrillar Structure and Molecular Mobility in Spider Dragline Silk. <i>Macromolecules</i> , 2005 , 38, 8447-8453	5.5	69
209	Calcium Induced Shrinking of NaPA Chains: A SANS Investigation of Single Chain Behavior. <i>Macromolecules</i> , 2003 , 36, 9564-9573	5.5	69
208	Wet-to-Dry Conformational Transition of Polymer Layers Grafted to Nanoparticles in Nanocomposite. <i>Macromolecules</i> , 2010 , 43, 4833-4837	5.5	66
207	Water-soluble interpolyelectrolyte complexes of polyisobutylene-block-poly(methacrylic acid) micelles: formation and properties. <i>Langmuir</i> , 2008 , 24, 1769-77	4	65
206	Polyisobutylene-block-poly(methacrylic acid) diblock copolymers: self-assembly in aqueous media. <i>Langmuir</i> , 2007 , 23, 12864-74	4	64
205	Dilute solution behaviour of sodium polyacrylate chains in aqueous NaCl solutions. <i>Polymer</i> , 2003 , 44, 7131-7141	3.9	62
204	Shift of the photonic band gap in two photonic crystal/liquid crystal composites. <i>Applied Physics Letters</i> , 2002 , 80, 1885-1887	3.4	62
203	Mixing Block Copolymers with Phospholipids at the Nanoscale: From Hybrid Polymer/Lipid Wormlike Micelles to Vesicles Presenting Lipid Nanodomains. <i>Langmuir</i> , 2017 , 33, 1705-1715	4	61
202	Surface aggregate structure of nonionic surfactants on silica nanoparticles. <i>Soft Matter</i> , 2009 , 5, 2928	3.6	60

201	Anisotropic Reinforcement of Nanocomposites Tuned by Magnetic Orientation of the Filler Network. <i>Advanced Materials</i> , 2008 , 20, 2533-2540	24	60
200	The distribution of Sr 2+ counterions around polyacrylate chains analyzed by anomalous small-angle X-ray scattering. <i>Europhysics Letters</i> , 2004 , 66, 331-337	1.6	59
199	Linking micellar structures to hydrogelation for salt-triggered dipeptide gelators. <i>Soft Matter</i> , 2016 , 12, 3612-21	3.6	58
198	Salt-induced disintegration of lysozyme-containing polyelectrolyte complex micelles. <i>Langmuir</i> , 2009 , 25, 11425-30	4	57
197	Colloidal dispersions of tannins in water-ethanol solutions. <i>Langmuir</i> , 2007 , 23, 9949-59	4	57
196	Understanding the mechanism of action of poly(amidoamine)s as endosomolytic polymers: correlation of physicochemical and biological properties. <i>Biomacromolecules</i> , 2004 , 5, 1422-7	6.9	56
195	Effect of Grafting on Rheology and Structure of a Simplified Industrial Nanocomposite Silica/SBR. <i>Macromolecules</i> , 2013 , 46, 6621-6633	5.5	54
194	Dynamic self-assembly of surfactant-like peptides A6K and A9K. <i>Soft Matter</i> , 2009 , 5, 3870	3.6	54
193	Structure and morphology of charged graphene platelets in solution by small-angle neutron scattering. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8302-5	16.4	53
192	Probing the microstructure of nonionic microemulsions with ethyl oleate by viscosity, ROESY, DLS, SANS, and cyclic voltammetry. <i>Langmuir</i> , 2012 , 28, 10640-52	4	52
191	Amphiphilic dual brush block copolymers as "giant surfactants" and their aqueous self-assembly. <i>Langmuir</i> , 2010 , 26, 3145-55	4	52
190	Responsive hybrid block co-polymer conjugates of proteins: controlled architecture to modulate substrate specificity and solution behaviour. <i>Polymer Chemistry</i> , 2011 , 2, 1567	4.9	48
189	Small-angle scattering gives direct structural information about a membrane protein inside a lipid environment. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 371-83		46
188	Protein cluster formation in aqueous solution in the presence of multivalent metal ions--a light scattering study. <i>Soft Matter</i> , 2014 , 10, 894-902	3.6	45
187	Pluronic-stabilized gold nanoparticles: investigation of the structure of the polymer-particle hybrid. <i>ChemPhysChem</i> , 2008 , 9, 2230-6	3.2	45
186	Controlled Tuning of the Properties in Optoelectronic Self-Sorted Gels. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8667-8670	16.4	45
185	Structural anisotropy of directionally dried colloids. <i>Europhysics Letters</i> , 2014 , 105, 38005	1.6	44
184	Well defined hybrid PNIPAM core-shell microgels: size variation of the silica nanoparticle core. <i>Colloid and Polymer Science</i> , 2011 , 289, 699-709	2.4	44

183	The D11 Small-Angle Scattering Instrument: A New Benchmark for SANS. <i>Neutron News</i> , 2010 , 21, 15-18	0.4	44
182	Controlling the network type in self-assembled dipeptide hydrogels. <i>Soft Matter</i> , 2017 , 13, 1914-1919	3.6	43
181	Amphiphilic Polymer Conetworks Based on End-Linked Core-First Star Block Copolymers: Structure Formation with Long-Range Order. <i>ACS Macro Letters</i> , 2015 , 4, 1163-1168	6.6	43
180	Magnetic microemulsions based on magnetic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15355-60	3.6	41
179	Shrinking of anionic polyacrylate coils induced by Ca ²⁺ , Sr ²⁺ and Ba ²⁺ : a combined light scattering and ASAXS study. <i>European Physical Journal E</i> , 2006 , 21, 99-110	1.5	41
178	Nonlinear Effects in Multicomponent Supramolecular Hydrogels. <i>Langmuir</i> , 2017 , 33, 2387-2395	4	40
177	pH-Directed Aggregation to Control Photoconductivity in Self-Assembled Perylene Bisimides. <i>Chem</i> , 2017 , 2, 716-731	16.2	40
176	Probing the extent of the Sr ²⁺ ion condensation to anionic polyacrylate coils: a quantitative anomalous small-angle x-ray scattering study. <i>Journal of Chemical Physics</i> , 2007 , 127, 154908	3.9	40
175	Elucidating Electrostatic Self-Assembly: Molecular Parameters as Key to Thermodynamics and Nanoparticle Shape. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1280-93	16.4	39
174	Microstructure and mechanical properties of the superalloy ATI Allvac 718Plus. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 523, 295-303	5.3	37
173	Is the universal law valid for branched polymers?. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4659-63	16.4	36
172	Reinforcement and Polymer Mobility in Silica-latex Nanocomposites with Controlled Aggregation. <i>Macromolecules</i> , 2011 , 44, 9029-9039	5.5	36
171	Liposome formation from bile salt-lipid micelles in the digestion and drug delivery model FaSSIF(mod) estimated by combined time-resolved neutron and dynamic light scattering. <i>Molecular Pharmaceutics</i> , 2011 , 8, 2162-72	5.6	35
170	Direct small-angle-neutron-scattering observation of stretched chain conformation in nanocomposites: more insight on polymer contributions in mechanical reinforcement. <i>Physical Review E</i> , 2010 , 82, 031801	2.4	35
169	Particle scattering factor of pearl necklace chains. <i>Macromolecular Symposia</i> , 2004 , 211, 25-42	0.8	35
168	Thermoresponsive Hydrogels Based on Telechelic Polyelectrolytes: From Dynamic to Frozen Networks. <i>Macromolecules</i> , 2018 , 51, 2169-2179	5.5	34
167	Small-angle neutron scattering study of structure and interaction of nanoparticle, protein, and surfactant complexes. <i>Langmuir</i> , 2013 , 29, 11290-9	4	34
166	Origin of Small-Angle Scattering from Contrast-Matched Nanoparticles: A Study of Chain and Filler Structure in Polymer Nanocomposites. <i>Macromolecules</i> , 2015 , 48, 6596-6605	5.5	33

165	Highly active Ga promoted Co-HMS-X catalyst towards styrene epoxidation reaction using molecular O ₂ . <i>Applied Catalysis A: General</i> , 2014 , 482, 61-68	5.1	33
164	The ultrastructure and flexibility of thylakoid membranes in leaves and isolated chloroplasts as revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1572-80	4.6	33
163	Pore size engineering in mesoporous silicas using supercritical CO ₂ . <i>Langmuir</i> , 2005 , 21, 4163-7	4	33
162	Gel Formation and Interpolymer Alkyl Chain Interactions with Poly(9,9-dioctylfluorene-2,7-diyl) (PFO) in Toluene Solution: Results from NMR, SANS, DFT, and Semiempirical Calculations and Their Implications for PFO Phase Formation. <i>Macromolecules</i> , 2011 , 44, 334-343	5.5	32
161	Bending stiffness of biological membranes: what can be measured by neutron spin echo?. <i>European Physical Journal E</i> , 2013 , 36, 75	1.5	31
160	Polymer-Grafted Magnetic Nanoparticles in Nanocomposites: Curvature Effects, Conformation of Grafted Chain, and Bimodal Nanotriggering of Filler Organization by Combination of Chain Grafting and Magnetic Field. <i>Macromolecules</i> , 2012 , 45, 9220-9231	5.5	31
159	Network structure of polyfluorene sheets as a function of alkyl side chain length. <i>Physical Review E</i> , 2011 , 83, 051803	2.4	31
158	Freezing on heating of liquid solutions. <i>Journal of Chemical Physics</i> , 2004 , 121, 5031-4	3.9	31
157	Reversible Photoreduction as a Trigger for Photoresponsive Gels. <i>Chemistry of Materials</i> , 2016 , 28, 6336-6341	4.4	30
156	Polymer-nanoparticle complexes: from dilute solution to solid state. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19140-6	3.4	30
155	Deswelling of Microgels in Crowded Suspensions Depends on Cross-Link Density and Architecture. <i>Macromolecules</i> , 2019 , 52, 3995-4007	5.5	29
154	Entropy driven chain effects on ligation chemistry. <i>Chemical Science</i> , 2015 , 6, 1061-1074	9.4	29
153	Studying orthogonal self-assembled systems: microstructure of gelled bicontinuous microemulsions. <i>Soft Matter</i> , 2014 , 10, 8744-57	3.6	29
152	Demonstrating the importance of polymer-conjugate conformation in solution on its therapeutic output: Diethylstilbestrol (DES)-polyacetals as prostate cancer treatment. <i>Journal of Controlled Release</i> , 2012 , 159, 290-301	11.7	29
151	Modulated Formation of MOF-5 Nanoparticles: A SANS Analysis. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6127-6135	3.8	29
150	Deswelling behaviour of ionic microgel particles from low to ultra-high densities. <i>Soft Matter</i> , 2018 , 14, 4150-4159	3.6	28
149	Double-networks based on pH-responsive, amphiphilic core-first star first polymer conetworks prepared by sequential RAFT polymerization. <i>Polymer Chemistry</i> , 2017 , 8, 245-259	4.9	28
148	Multicore Liquid Perfluorocarbon-Loaded Multimodal Nanoparticles for Stable Ultrasound and F MRI Applied to In Vivo Cell Tracking. <i>Advanced Functional Materials</i> , 2019 , 29, 1806485	15.6	27

147	Magnetization reversal in Nd-Fe-B based nanocomposites as seen by magnetic small-angle neutron scattering. <i>Applied Physics Letters</i> , 2013 , 102, 022415	3.4	27
146	How do colloidal aggregates yield to compressive stress?. <i>Langmuir</i> , 2009 , 25, 4692-707	4	27
145	Modeling of Intermediate Structures and Chain Conformation in Silica/Latex Nanocomposites Observed by SANS During Annealing. <i>Macromolecules</i> , 2012 , 45, 1663-1675	5.5	26
144	Controlling Photoconductivity in PBI Films by Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018 , 24, 4006-4010	4.8	25
143	Small angle neutron scattering studies on the internal structure of poly(lactide-co-glycolide)-block-poly(ethylene glycol) nanoparticles as drug delivery vehicles. <i>Biomacromolecules</i> , 2015 , 16, 457-64	6.9	25
142	Modifications of the mesoscopic structure of cellulose in paper degradation. <i>Physical Review Letters</i> , 2006 , 97, 238001	7.4	25
141	Using Small-Angle Scattering and Contrast Matching to Understand Molecular Packing in Low Molecular Weight Gels. <i>Matter</i> , 2020 , 2, 764-778	12.7	24
140	Coil Dimensions of Polystyrene Chains in Colloid/Polymer Mixtures at the Protein Limit: A SANS Study. <i>Macromolecules</i> , 2005 , 38, 9783-9793	5.5	24
139	Silsesquioxane Molecules and Polystyrene Chains as a Model System for Colloid/Polymer Mixtures in the Protein Limit. <i>Macromolecules</i> , 2005 , 38, 151-159	5.5	24
138	Interplay between polymer chain conformation and nanoparticle assembly in model industrial silica/rubber nanocomposites. <i>Faraday Discussions</i> , 2016 , 186, 325-43	3.6	23
137	Pressure-induced molten globule state of human acetylcholinesterase: structural and dynamical changes monitored by neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3157-63	3.6	23
136	Controlled grafted brushes of polystyrene on magnetic Fe ₂ O ₃ nanoparticles via nitroxide-mediated polymerization. <i>Soft Matter</i> , 2012 , 8, 3407	3.6	23
135	Structural heterogeneity of milk casein micelles: a SANS contrast variation study. <i>Soft Matter</i> , 2015 , 11, 389-99	3.6	22
134	Structure and dynamics of balanced supercritical CO ₂ -microemulsions. <i>Soft Matter</i> , 2012 , 8, 797-807	3.6	22
133	Volume phase transition kinetics of smart N-n-propylacrylamide microgels studied by time-resolved pressure jump small angle neutron scattering. <i>Scientific Reports</i> , 2018 , 8, 13781	4.9	22
132	Emulsion ripening through molecular exchange at droplet contacts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1452-5	16.4	21
131	Learning about SANS instruments and data reduction from round robin measurements on samples of polystyrene latex. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1289-1297	3.8	21
130	Controlled grafting of polystyrene on silica nanoparticles using NMP: a new route without free initiator to tune the grafted chain length. <i>Polymer Chemistry</i> , 2011 , 2, 567-571	4.9	21

129	Stimulated Transitions of Directed Nonequilibrium Self-Assemblies. <i>Advanced Materials</i> , 2017 , 29, 17034-17045	4.5	20
128	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1709-1715	6.4	20
127	Dendronized Hyperbranched Macromolecules: Soft Matter with a Novel Type of Segmental Distribution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12578-83	16.4	20
126	SANS Investigation of Global and Segmental Structures of Hyperbranched Aliphatic/Aromatic Polyesters. <i>Macromolecules</i> , 2012 , 45, 3177-3187	5.5	20
125	Structure-Property relationships in metallosurfactants. <i>Soft Matter</i> , 2010 , 6, 1981	3.6	20
124	Restructuring of colloidal cakes during dewatering. <i>Langmuir</i> , 2007 , 23, 1645-58	4	20
123	Moisture-related changes in the nanostructure of woods studied with X-ray and neutron scattering. <i>Cellulose</i> , 2020 , 27, 71-87	5.5	20
122	Soft fluctuating surfactant membranes in supercritical CO ₂ -microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3022-5	3.6	19
121	Small-angle neutron scattering of dilute polystyrene chains at the protein limit of a colloid-polymer mixture. <i>Journal of Chemical Physics</i> , 2005 , 123, 014903	3.9	19
120	Small-angle scattering model for efficient characterization of wood nanostructure and moisture behaviour. <i>Journal of Applied Crystallography</i> , 2019 , 52, 369-377	3.8	19
119	Effective Interactions and Colloidal Stability of Bovine β -Globulin in Solution. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 5759-5769	3.4	18
118	Monitoring the Coordination Modulator Shell at MOF Nanocrystals. <i>Crystal Growth and Design</i> , 2014 , 14, 4859-4863	3.5	18
117	Microstructure of supercritical CO ₂ -in-water microemulsions: a systematic contrast variation study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20289-301	3.6	18
116	Enzymatic activity of lipase-nanoparticle conjugates and the digestion of lipid liquid crystalline assemblies. <i>Langmuir</i> , 2010 , 26, 13590-9	4	18
115	Development of Intermolecular Structure and Beta-phase of Random Poly[9,9-bis(2-ethylhexyl)fluorene]-co-(9,9-dioctylfluorene) in Methylcyclohexane. <i>Macromolecules</i> , 2011 , 44, 6453-6460	5.5	18
114	Interactions of silica nanoparticles with poly(ethylene oxide) and poly(acrylic acid): effect of the polymer molecular weight and of the surface charge. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 85-93	9.3	17
113	Self-assembled polyoxometalate-dendrimer structures for selective photocatalysis. <i>Nanoscale</i> , 2018 , 10, 914-920	7.7	17
112	The antimicrobial effects of the alginate oligomer OligoG CF-5/20 are independent of direct bacterial cell membrane disruption. <i>Scientific Reports</i> , 2017 , 7, 44731	4.9	16

111	Aggregation behaviour of hydrophobically modified polyacrylate Δ Variation of alkyl chain length. <i>Polymer</i> , 2015 , 70, 194-206	3.9	16
110	High thermal neutron flux effects on structural and macroscopic properties of alkali-borosilicate glasses used as neutron guide substrate. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 374, 14-19	1.2	16
109	The interfacial structure of polymeric surfactant stabilised air-in-water foams. <i>Soft Matter</i> , 2014 , 10, 3003-8	3.6	16
108	Transition from long micelles to flat bilayers driven by release of hydrotropes in mixed micelles. <i>Soft Matter</i> , 2013 , 9, 4544	3.6	16
107	Small monodisperse unilamellar vesicles from binary copolymer mixtures. <i>Soft Matter</i> , 2009 , 5, 4169	3.6	16
106	Small-angle neutron scattering from giant water-in-oil microemulsion droplets. I. Ternary system. <i>Journal of Chemical Physics</i> , 2008 , 128, 054502	3.9	16
105	Structure and dynamics of polyelectrolyte surfactant mixtures under conditions of surfactant excess. <i>Journal of Chemical Physics</i> , 2016 , 145, 124901	3.9	16
104	Shedding light on membrane-templated clustering of gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 204-214	9.3	16
103	Preparation of Polymer Brush Grafted Anionic or Cationic Silica Nanoparticles: Systematic Variation of the Polymer Shell. <i>Macromolecules</i> , 2018 , 51, 6936-6948	5.5	16
102	Aescin-Cholesterol Complexes in DMPC Model Membranes: A DSC and Temperature-Dependent Scattering Study. <i>Scientific Reports</i> , 2019 , 9, 5542	4.9	15
101	On the mesoscopic origins of high viscosities in some polyelectrolyte-surfactant mixtures. <i>Journal of Chemical Physics</i> , 2015 , 143, 074902	3.9	14
100	In Vitro Evaluation of the Interaction of Dextrin-Colistin Conjugates with Bacterial Lipopolysaccharide. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 647-54	8.3	14
99	Aescin-Induced Conversion of Gel-Phase Lipid Membranes into Bicelle-like Lipid Nanoparticles. <i>Langmuir</i> , 2019 , 35, 16244-16255	4	14
98	Exchange-stiffness constant of a Nd-Fe-B based nanocomposite determined by magnetic neutron scattering. <i>Applied Physics Letters</i> , 2013 , 103, 122402	3.4	14
97	Structure and dynamics of polyelectrolytes in viscous polyelectrolyte-surfactant complexes at the mesoscale. <i>Europhysics Letters</i> , 2013 , 104, 28001	1.6	14
96	Structural characterization of the phospholipid stabilizer layer at the solid-liquid interface of dispersed triglyceride nanocrystals with small-angle x-ray and neutron scattering. <i>Physical Review E</i> , 2013 , 87, 062316	2.4	14
95	Nanoparticles for "two color" F magnetic resonance imaging: Towards combined imaging of biodistribution and degradation. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 278-287	9.3	14
94	Suppression of aggregation in natural-semiflexible/flexible polyanion mixtures, and direct check of the OSF model using SANS. <i>Europhysics Letters</i> , 2008 , 83, 48002	1.6	13

93	Temperature-induced collapse of alkaline Earth cation-polyacrylate anion complexes. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 10431-7	3.4	13
92	Inverse freezing in Cyclodextrin solutions probed by quasi elastic neutron scattering. <i>Chemical Physics</i> , 2006 , 331, 35-41	2.3	13
91	Liquid-liquid phase separation in dilute solutions of poly(styrene sulfonate) with multivalent cations: Phase diagrams, chain morphology, and impact of temperature. <i>Journal of Chemical Physics</i> , 2018 , 148, 014901	3.9	12
90	Structural Characterization of Lecithin-Stabilized Tetracosane Lipid Nanoparticles. Part I: Emulsions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5505-12	3.4	12
89	Pressure-Responsive, Surfactant-Free CO-Based Nanostructured Fluids. <i>ACS Nano</i> , 2017 , 11, 10774-10784	4.7	12
88	Observation of a Large-Scale Superstructure in Concentrated Hemoglobin Solutions by Using Small Angle Neutron Scattering. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1805-1808	6.4	12
87	Small-angle-neutron-scattering from giant water-in-oil microemulsion droplets. II. Polymer-decorated droplets in a quaternary system. <i>Journal of Chemical Physics</i> , 2008 , 128, 064902	3.9	12
86	Effect of crowding on the conformation of interwound DNA strands from neutron scattering measurements and Monte Carlo simulations. <i>Physical Review E</i> , 2010 , 81, 061905	2.4	11
85	Tuning the antimicrobial activity of low molecular weight hydrogels using dopamine autoxidation. <i>Chemical Communications</i> , 2020 , 56, 8135-8138	5.8	10
84	Electrostatic Self-Assembly of Dendrimer Macroions and Multivalent Dye Counterions: The Role of Solution Ionic Strength. <i>Macromolecules</i> , 2016 , 49, 8661-8671	5.5	10
83	A Small-Angle Neutron Scattering Environment for In-Situ Observation of Chemical Processes. <i>Scientific Reports</i> , 2018 , 8, 7299	4.9	10
82	Assembly of small molecule surfactants at highly dynamic air-water interfaces. <i>Soft Matter</i> , 2017 , 13, 8807-8815	3.6	10
81	Phase Behavior and Microstructure of Symmetric Nonionic Microemulsions with Long-Chain n-Alkanes and Waxes. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2583-2595	3.9	10
80	Structural behaviour of sodium hyaluronate in concentrated oppositely charged surfactant solutions. <i>Soft Matter</i> , 2017 , 13, 2253-2263	3.6	9
79	Light-Responsive Shape: From Micrometer-Long Nanocylinders to Compact Particles in Electrostatic Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700860	4.8	9
78	Multimethod approach to understand the assembly of cellulose fibrils in the biosynthesis of bacterial cellulose. <i>Cellulose</i> , 2018 , 25, 2771-2783	5.5	9
77	Structural Characterization of Lecithin-Stabilized Tetracosane Lipid Nanoparticles. Part II: Suspensions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5513-26	3.4	9
76	Conformation and Interactions of Polystyrene and Fullerenes in Dilute to Semidilute Solutions. <i>Macromolecules</i> , 2014 , 47, 6113-6120	5.5	9

75	Structure Tuning of Electrostatically Self-Assembled Nanoparticles through pH: The Role of Charge Ratio. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700191	2.6	9
74	Nonionic Aliphatic Polycarbonate Diblock Copolymers Based on CO, 1,2-Butylene Oxide, and mPEG: Synthesis, Micellization, and Solubilization. <i>Langmuir</i> , 2019 , 35, 5221-5231	4	8
73	Insight into the self-assembly of water-soluble perylene bisimide derivatives through a combined computational and experimental approach. <i>Nanoscale</i> , 2019 , 11, 15917-15928	7.7	8
72	Gelation or molecular recognition; is the bis-(β -hydroxy ester)s motif an omnigelator?. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 1079-88	2.5	8
71	Drug mimic induced conformational changes in model polymer-drug conjugates characterized by small-angle neutron scattering. <i>Biomacromolecules</i> , 2010 , 11, 1978-82	6.9	8
70	An in-depth analysis approach enabling precision single chain nanoparticle design. <i>Polymer Chemistry</i> , 2020 , 11, 6559-6578	4.9	8
69	Amyloid β Peptide Interaction with Membranes: Can Chaperones Change the Fate?. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 631-638	3.4	8
68	Inducing Hetero-aggregation of Different Azo Dyes through Electrostatic Self-Assembly. <i>Chemistry - A European Journal</i> , 2017 , 23, 6249-6254	4.8	7
67	Phase behavior of ultrasoft spheres show stable bcc lattices. <i>Physical Review E</i> , 2020 , 102, 052602	2.4	7
66	PAINT-ing Fluorenylmethoxycarbonyl (Fmoc)-Diphenylalanine Hydrogels. <i>Chemistry - A European Journal</i> , 2020 , 26, 9869-9873	4.8	7
65	Nanosized latexes for textile printing applications obtained by miniemulsion polymerization \square <i>Colloid and Polymer Science</i> , 2014 , 292, 1487-1500	2.4	7
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