

Ralf Schweins

List of Publications by Year in Descending Order

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

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	Stress driven creep deformation and cavitation damage in pure copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 833, 142543	5.3	3
217	Quantification of Buckminsterfullerene (C60) in non-graphitizing carbon and a microstructural comparison of graphitizing and non-graphitizing carbon via Small Angle Neutron Scattering. <i>Carbon</i> , 2022 , 189, 362-368	10.4	2
216	How do terminal modifications of short designed IKK peptide amphiphiles affect their antifungal activity and biocompatibility?. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 193-206	9.3	0
215	How Temperature Rise Can Induce Phase Separation in Aqueous Biphasic Solutions.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2731-2736	6.4	0
214	Contrasting impacts of mixed nonionic surfactant micelles on plant growth in the delivery of fungicide and herbicide.. <i>Journal of Colloid and Interface Science</i> , 2022 , 618, 78-87	9.3	1
213	How do chain lengths of acyl-L-carnitines affect their surface adsorption and solution aggregation?. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 491-491	9.3	0
212	Solution Properties of Polyelectrolytes with Divalent Counterions. <i>Macromolecules</i> , 2021 , 54, 10583-10593	9.3	2
211	Water-accessibility of interfibrillar spaces in spruce wood cell walls. <i>Cellulose</i> , 2021 , 28, 11231	5.5	2
210	A temperature-controlled electric field sample environment for small-angle neutron scattering experiments. <i>Review of Scientific Instruments</i> , 2021 , 92, 033903	1.7	2
209	Solvent Induced Helix Folding of Defined Indolenine Squaraine Oligomers. <i>Chemistry - A European Journal</i> , 2021 , 27, 8380-8389	4.8	2
208	Direct Structural Evidence for Interfacial Gradients in Asymmetric Polymer Nanocomposite Blends. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36262-36274	9.5	2
207	A NMR and SANS study of alkali-borosilicate behaviour under thermal neutron irradiation. <i>Journal of Nuclear Materials</i> , 2021 , 544, 152699	3.3	1
206	Molecular structure of maltoside surfactants controls micelle formation and rheological behavior. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 895-904	9.3	4
205	Unexpected observation of an intermediate hexagonal phase upon fluid-to-gel transition: SDS self-assembly in glycerol. <i>Colloids and Interface Science Communications</i> , 2021 , 40, 100342	5.4	2
204	Exploiting and controlling gel-to-crystal transitions in multicomponent supramolecular gels. <i>Chemical Science</i> , 2021 , 12, 9720-9725	9.4	3
203	Drug-Induced Dynamics of Bile Colloids. <i>Langmuir</i> , 2021 , 37, 2543-2551	4	3
202	Absence of crystals in the phase behavior of hollow microgels. <i>Physical Review E</i> , 2021 , 103, 022612	2.4	4

201	Water channel structure of alternative perfluorosulfonic acid membranes for fuel cells. <i>Journal of Membrane Science</i> , 2021 , 636, 119559	9.6	0
200	Electronic and assembly properties of a water-soluble blue naphthalene diimide. <i>New Journal of Chemistry</i> , 2021 , 45, 14005-14013	3.6	1
199	Nanoscale Coal Deformation and Alteration of Porosity and Pore Orientation Under Uniaxial Compression: An In Situ SANS Study. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 3593-3608	5.7	0
198	Enhancement of the mechanical properties of lysine-containing peptide-based supramolecular hydrogels by chemical cross-linking. <i>Soft Matter</i> , 2021 , 17, 8459-8464	3.6	2
197	Effect of pH on the Dynamics and Structure of Thermoresponsive Telechelic Polyelectrolyte Networks: Impact on Hydrogel Injectability. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 819-829	4.3	1
196	Phase behavior of ultrasoft spheres show stable bcc lattices. <i>Physical Review E</i> , 2020 , 102, 052602	2.4	7
195	Protein Crystallization in the Presence of a Metastable Liquid-Liquid Phase Separation. <i>Crystal Growth and Design</i> , 2020 , 20, 7951-7962	3.5	6
194	PAINT-ing Fluorenylmethoxycarbonyl (Fmoc)-Diphenylalanine Hydrogels. <i>Chemistry - A European Journal</i> , 2020 , 26, 9869-9873	4.8	7
193	Tuning the antimicrobial activity of low molecular weight hydrogels using dopamine autoxidation. <i>Chemical Communications</i> , 2020 , 56, 8135-8138	5.8	10
192	Exploring the Porosity in Ceramics at the nm Scale: From Understanding Historical Ceramics to Innovative Materials Design. <i>ChemPhysChem</i> , 2020 , 21, 966-970	3.2	
191	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
190	Contrast variation of micelles composed of Ca ²⁺ and block copolymers of two negatively charged polyelectrolytes. <i>Colloid and Polymer Science</i> , 2020 , 298, 663-679	2.4	4
189	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
188	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
187	Controlling Self-Assembly with Light and Temperature. <i>Langmuir</i> , 2020 , 36, 223-231	4	6
186	Efficiency Boosting of Surfactants with Poly(ethylene oxide)-Poly(alkyl glycidyl ether)s: A New Class of Amphiphilic Polymers. <i>Langmuir</i> , 2020 , 36, 9849-9866	4	0
185	Evolution of the structure and dynamics of bovine serum albumin induced by thermal denaturation. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18507-18517	3.6	5
184	Uncommon Structures of Oppositely Charged Hyaluronan/Surfactant Assemblies under Physiological Conditions. <i>Biomacromolecules</i> , 2020 , 21, 3498-3511	6.9	2

183	An in-depth analysis approach enabling precision single chain nanoparticle design. <i>Polymer Chemistry</i> , 2020 , 11, 6559-6578	4.9	8
182	A neutron scattering perspective on the structure, softness and dynamics of the ligand shell of PbS nanocrystals in solution. <i>Chemical Science</i> , 2020 , 11, 8875-8884	9.4	3
181	Bundling of cellulose microfibrils in native and polyethylene glycol-containing wood cell walls revealed by small-angle neutron scattering. <i>Scientific Reports</i> , 2020 , 10, 20844	4.9	7
180	Creating Transient Gradients in Supramolecular Hydrogels. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000093	4.8	7
179	Using Rheo-Small-Angle Neutron Scattering to Understand How Functionalised Dipeptides Form Gels. <i>Organic Materials</i> , 2020 , 02, 108-115	1.9	3
178	Shedding light on membrane-templated clustering of gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 204-214	9.3	16
177	Deswelling of Microgels in Crowded Suspensions Depends on Cross-Link Density and Architecture. <i>Macromolecules</i> , 2019 , 52, 3995-4007	5.5	29
176	Segregation Interdigitation in Highly Dynamic Polymer/Surfactant Layers. <i>Polymers</i> , 2019 , 11,	4.5	5
175	Protein Short-Time Diffusion in a Naturally Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1709-1715	6.4	20
174	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
173	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
172	Aescin-Cholesterol Complexes in DMPC Model Membranes: A DSC and Temperature-Dependent Scattering Study. <i>Scientific Reports</i> , 2019 , 9, 5542	4.9	15
171	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
170	Hierarchical Nanotube Self-Assembly of DNA Minor Groove-Binding Ligand DB921 via Alkali Halide Triggering. <i>Macromolecular Symposia</i> , 2019 , 386, 1800243	0.8	
169	Aescin-Induced Conversion of Gel-Phase Lipid Membranes into Bicelle-like Lipid Nanoparticles. <i>Langmuir</i> , 2019 , 35, 16244-16255	4	14
168	Following Protein Dynamics in Real Time during Crystallization. <i>Crystal Growth and Design</i> , 2019 , 19, 7036-7045	3.5	4
167	Ion-selective binding as a new trigger for micellization of block copolyelectrolytes with two anionic blocks. <i>Soft Matter</i> , 2019 , 15, 8266-8271	3.6	4
166	Free-film small-angle neutron scattering: a novel container-free sample environment with minimized H/D exchange. <i>Journal of Applied Crystallography</i> , 2019 , 52, 284-288	3.8	1

165	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
164	Invertible Micelles Based on Ion-Specific Interactions of Sr ²⁺ and Ba ²⁺ with Double Anionic Block Copolyelectrolytes. <i>Macromolecules</i> , 2019 , 52, 8759-8770	5.5	3
163	Neutralisation rate controls the self-assembly of pH-sensitive surfactants. <i>Soft Matter</i> , 2019 , 15, 8611-8620	6.2	7
162	Amyloid Peptide Interaction with Membranes: Can Chaperones Change the Fate?. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 631-638	3.4	8
161	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
160	Thermoresponsive Hydrogels Based on Telechelic Polyelectrolytes: From Dynamic to Frozen Networks. <i>Macromolecules</i> , 2018 , 51, 2169-2179	5.5	34
159	Dynamic self-assembly of DNA minor groove-binding ligand DB921 into nanotubes triggered by an alkali halide. <i>Nanoscale</i> , 2018 , 10, 5550-5558	7.7	6
158	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
157	Crossover from a Linear to a Branched Growth Regime in the Crystallization of Lysozyme. <i>Crystal Growth and Design</i> , 2018 , 18, 1483-1494	3.5	6
156	Controlling Photoconductivity in PBI Films by Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018 , 24, 4006-4010	4.8	25
155	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
154	Deswelling behaviour of ionic microgel particles from low to ultra-high densities. <i>Soft Matter</i> , 2018 , 14, 4150-4159	3.6	28
153	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
152	Polyacrylates in the presence of an extraordinary monovalent cation-Solution behavior and metal nanoparticle formation. <i>Journal of Chemical Physics</i> , 2018 , 149, 163318	3.9	5
151	A Small-Angle Neutron Scattering Environment for In-Situ Observation of Chemical Processes. <i>Scientific Reports</i> , 2018 , 8, 7299	4.9	10
150	Self-assembled polyoxometalate-dendrimer structures for selective photocatalysis. <i>Nanoscale</i> , 2018 , 10, 914-920	7.7	17
149	Role of Absorbing Nanocrystal Cores in Soft Photonic Crystals: A Spectroscopy and SANS Study. <i>Langmuir</i> , 2018 , 34, 854-867	4	5
148	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

147	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
146	Biomimetic composites of deuterated bacterial cellulose and hemicelluloses studied with small-angle neutron scattering. <i>European Polymer Journal</i> , 2018 , 104, 177-183	5.2	2
145	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
144	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
143	Nonlinear Effects in Multicomponent Supramolecular Hydrogels. <i>Langmuir</i> , 2017 , 33, 2387-2395	4	40
142	Controlling the network type in self-assembled dipeptide hydrogels. <i>Soft Matter</i> , 2017 , 13, 1914-1919	3.6	43
141	Structural behaviour of sodium hyaluronate in concentrated oppositely charged surfactant solutions. <i>Soft Matter</i> , 2017 , 13, 2253-2263	3.6	9
140	Interpenetration of polymeric microgels at ultrahigh densities. <i>Scientific Reports</i> , 2017 , 7, 1487	4.9	95
139	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
138	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
137	pH-Directed Aggregation to Control Photoconductivity in Self-Assembled Perylene Bisimides. <i>Chem</i> , 2017 , 2, 716-731	16.2	40
136	Inducing Hetero-aggregation of Different Azo Dyes through Electrostatic Self-Assembly. <i>Chemistry - A European Journal</i> , 2017 , 23, 6249-6254	4.8	7
135	Stimulated Transitions of Directed Nonequilibrium Self-Assemblies. <i>Advanced Materials</i> , 2017 , 29, 1703495	4.5	20
134	Pressure-Responsive, Surfactant-Free CO ₂ -Based Nanostructured Fluids. <i>ACS Nano</i> , 2017 , 11, 10774-10784	16.7	12
133	Assembly of small molecule surfactants at highly dynamic air-water interfaces. <i>Soft Matter</i> , 2017 , 13, 8807-8815	3.6	10
132	A Neutron-Transparent Flow-Through Cell (NTFT-Cell) for the SANS investigation of microstructure evolution during industrial evaporative casting. <i>Journal of Neutron Research</i> , 2017 , 19, 177-185	0.5	5
131	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
130	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

129	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
128	Reversible Photoreduction as a Trigger for Photoresponsive Gels. <i>Chemistry of Materials</i> , 2016 , 28, 6336-6341	4.4	30
127	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
126	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
125	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
124	Target Nanoparticles for Therapy - SANS and DLS of Drug Carrier Liposomes and Polymer Nanoparticles. <i>Journal of Physics: Conference Series</i> , 2016 , 746, 012069	0.3	1
123	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
122	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
121	Structure Tuning of Electrostatically Self-Assembled Nanoparticles through pH. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1380-9	3.4	6
120	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
119	Structure and dynamics of polyelectrolyte surfactant mixtures under conditions of surfactant excess. <i>Journal of Chemical Physics</i> , 2016 , 145, 124901	3.9	16
118	Linking micellar structures to hydrogelation for salt-triggered dipeptide gelators. <i>Soft Matter</i> , 2016 , 12, 3612-21	3.6	58
117	Unexpected efficiency boosting in CO ₂ -microemulsions: a cyclohexane depletion zone near the fluorinated surfactants evidenced by a systematic SANS contrast variation study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6122-34	3.6	6
116	Aggregation behaviour of hydrophobically modified polyacrylate [Variation of alkyl chain length. <i>Polymer</i> , 2015 , 70, 194-206	3.9	16
115	Emulsion ripening through molecular exchange at droplet contacts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1452-5	16.4	21
114	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
113	Analysis of the structure of nanocomposites of triglyceride platelets and DNA. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17939-56	3.6	4
112	Entropy driven chain effects on ligation chemistry. <i>Chemical Science</i> , 2015 , 6, 1061-1074	9.4	29

111	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
110	On the mesoscopic origins of high viscosities in some polyelectrolyte-surfactant mixtures. <i>Journal of Chemical Physics</i> , 2015 , 143, 074902	3.9	14
109	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
108	Branched conformational properties of macromolecules in close relation to chemical synthesis. I. Unperturbed structures. <i>Journal of Chemical Physics</i> , 2015 , 143, 114906	3.9	1
107	Branched conformational properties of macromolecules in close relation to chemical synthesis. II. Influence of excluded volume interactions. <i>Journal of Chemical Physics</i> , 2015 , 143, 114907	3.9	1
106	Dendronisierte hochverzweigte Makromoleküle: weiche Materie mit einer neuartigen Segmentverteilung. <i>Angewandte Chemie</i> , 2015 , 127, 12764-12770	3.6	
105	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
104	Structural heterogeneity of milk casein micelles: a SANS contrast variation study. <i>Soft Matter</i> , 2015 , 11, 389-99	3.6	22
103	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
102	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
101	Structural anisotropy of directionally dried colloids. <i>Europhysics Letters</i> , 2014 , 105, 38005	1.6	44
100	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
99	Studying orthogonal self-assembled systems: microstructure of gelled bicontinuous microemulsions. <i>Soft Matter</i> , 2014 , 10, 8744-57	3.6	29
98	The interfacial structure of polymeric surfactant stabilised air-in-water foams. <i>Soft Matter</i> , 2014 , 10, 3003-8	3.6	16
97	Conformation and Interactions of Polystyrene and Fullerenes in Dilute to Semidilute Solutions. <i>Macromolecules</i> , 2014 , 47, 6113-6120	5.5	9
96	Nanosized latexes for textile printing applications obtained by miniemulsion polymerization□ <i>Colloid and Polymer Science</i> , 2014 , 292, 1487-1500	2.4	7
95	Monitoring the Coordination Modulator Shell at MOF Nanocrystals. <i>Crystal Growth and Design</i> , 2014 , 14, 4859-4863	3.5	18
94	Construction and physiochemical characterisation of a multi-composite, potential oral vaccine delivery system (VDS). <i>International Journal of Pharmaceutics</i> , 2014 , 468, 264-71	6.5	6

93	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
92	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
91	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
90	Small-angle neutron scattering study of structure and interaction of nanoparticle, protein, and surfactant complexes. <i>Langmuir</i> , 2013 , 29, 11290-9	4	34
89	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
88	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
87	Effect of Grafting on Rheology and Structure of a Simplified Industrial Nanocomposite Silica/SBR. <i>Macromolecules</i> , 2013 , 46, 6621-6633	5.5	54
86	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
85	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
84	Gilt das universelle Gesetz für verzweigte Polymere?. <i>Angewandte Chemie</i> , 2013 , 125, 4757-4761	3.6	3
83	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
82	Structure and dynamics of polyelectrolytes in viscous polyelectrolyte-surfactant complexes at the mesoscale. <i>Europhysics Letters</i> , 2013 , 104, 28001	1.6	14
81	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
80	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
79	Is the universal law valid for branched polymers?. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4659-63	16.4	36
78	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
77	Modulated Formation of MOF-5 Nanoparticles by SANS Analysis. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6127-6135	3.8	29
76	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

75	SANS Investigation of Global and Segmental Structures of Hyperbranched Aliphatic-Aromatic Polyesters. <i>Macromolecules</i> , 2012 , 45, 3177-3187	5.5	20
74	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
73	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
72	Magnetic microemulsions based on magnetic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15355-60	3.6	41
71	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
70	Structure and dynamics of balanced supercritical CO ₂ -microemulsions. <i>Soft Matter</i> , 2012 , 8, 797-807	3.6	22
69	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
68	Viscosity and diffusion: crowding and salt effects in protein solutions. <i>Soft Matter</i> , 2012 , 8, 1404-1419	3.6	78
67	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
66	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
65	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
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