Joachim Kohlbrecher

List of Publications by Year
in descending order

275	6,493	87843 38	106281 65
papers	citations	h-index	g-index

276	276	276	8322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unraveling the magnetic softness in Feâ€“Niâ€“B-based nanocrystalline material by magnetic small-angle neutron scattering. IUCrJ, 2022, 9, 65-72.	1.0	5
2	Rigid-to-Flexible Transition in a Molecular Brush in a Good Solvent at a Semidilute Concentration. Langmuir, 2022, 38, 5226-5236.	1.6	3
3	Interaction of nanoparticles with non-spherical micelles and bilayers. Journal of Applied Physics, 2022, 131, 154701.	1.1	1
4	Carbide Precipitation during Processing of Two Low-Alloyed Martensitic Tool Steels with 0.11 and 0.17 V/Mo Ratios Studied by Neutron Scattering, Electron Microscopy and Atom Probe. Metals, 2022, 12, 758.	1.0	4
5	Enhanced Roomâ€Temperature Photoluminescence Quantum Yield in Morphology Controlled Jâ€Aggregates. Advanced Science, 2021, 8, 1903080.	5.6	16
6	Interaction of a bovine serum albumin (BSA) protein with mixed anionicâ€“cationic surfactants and the resultant structure. Soft Matter, 2021, 17, 6972-6984.	1.2	18
7	An in vitro reconstituted U1 snRNP allows the study of the disordered regions of the particle and the interactions with proteins and ligands. Nucleic Acids Research, 2021, 49, e63-e63.	6.5	12
8	Impact of the neutron-depolarization effect on polarized neutron scattering in ferromagnets. IUCrJ, 2021, 8, 455-461.	1.0	2
9	Experimental determination of nanocomposite grating structures by light- and neutron-diffraction in the multi-wave-coupling regime. Optics Express, 2021, 29, 16153.	1.7	2
10	SINQâ€”Performance of the New Neutron Delivery System. Neutron News, 2021, 32, 37-43.	0.1	3
11	Characterizing accelerated precipitation in proton irradiated steel. Journal of Nuclear Materials, 2021, 557, 153195.	1.3	3
12	SANS study of mixed cholesteric cellulose nanocrystal â€“ gold nanorod suspensions. Chemical Communications, 2020, 56, 13001-13004.	2.2	13
13	Role of physicochemical parameters associated with the hydrophobic vs. amphiphilic biodegradable polymer nanoparticles formation. Journal of Molecular Liquids, 2020, 318, 113977.	2.3	7
14	Role of Protein-Water Interface in the Stacking Interactions of Granum Thylakoid Membranesâ€”As Revealed by the Effects of Hofmeister Salts. Frontiers in Plant Science, 2020, 11, 1257.	1.7	12
15	Magnetism and anomalous transport in the Weyl semimetal PrAlGe: possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	1.8	78
16	Defect-induced Dzyaloshinskiiâ€“Moriya interaction in a nanocrystalline two-phase alloy. Journal of Physics Condensed Matter, 2020, 32, 285804.	0.7	4
17	Anisometric mesoscale nuclear and magnetic texture in sintered Nd-Fe-B magnets. Physical Review Materials, 2020, 4, .	0.9	1
18	Structure of individual versus mixed cat-anionic surfactants with nanoparticles. AIP Conference Proceedings, 2020, , .	0.3	0

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19	The role of solvent in the formation of biodegradable polymer nanoparticles. AIP Conference Proceedings, 2019, , .	0.3	0
20	Operando X-ray characterization of high surface area iridium oxides to decouple their activity losses for the oxygen evolution reaction. Energy and Environmental Science, 2019, 12, 3038-3052.	15.6	90
21	Small-Angle Neutron Scattering Study of Temperature-Induced Structural Changes in Liposomes. Langmuir, 2019, 35, 11210-11216.	1.6	6
22	Fluorescent complex coacervates of agar and in situ formed zein nanoparticles: Role of electrostatic forces. Carbohydrate Polymers, 2019, 224, 115150.	5.1	21
23	Random flight model analysis of protein-surfactant complexes. AIP Conference Proceedings, 2019, , .	0.3	3
24	Evolution of nematic and ferromagnetic ordering in suspensions of magnetic nanoplatelets. Soft Matter, 2019, 15, 5412-5420.	1.2	16
25	Multidimensional Characterization of Mixed Ligand Nanoparticles Using Small Angle Neutron Scattering. Chemistry of Materials, 2019, 31, 6750-6758.	3.2	12
26	Ion-Induced Formation of Nanocrystalline Cellulose Colloidal Glasses Containing Nematic Domains. Langmuir, 2019, 35, 4117-4124.	1.6	46
27	Accelerating small-angle scattering experiments on anisotropic samples using kernel density estimation. Scientific Reports, 2019, 9, 1526.	1.6	15
28	Reentrant phase behavior of nanoparticle solutions probed by small-angle scattering. Current Opinion in Colloid and Interface Science, 2019, 42, 17-32.	3.4	11
29	Evolution of Interactions in the Protein Solution As Induced by Mono and Multivalent Ions. Biomacromolecules, 2019, 20, 2123-2134.	2.6	25
30	Determination and evaluation of the nonadditivity in wetting of molecularly heterogeneous surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25516-25523.	3.3	8
31	Microstructural Understanding of the Length- and Stiffness-Dependent Shear Thinning in Semidilute Colloidal Rods. Macromolecules, 2019, 52, 9604-9612.	2.2	29
32	A transportable neutron spin filter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 921, 22-26.	0.7	19
33	Characterisation of size distribution and positional misalignment of nanoscale islands by small-angle X-ray scattering. Journal of Applied Physics, 2019, 125, 014301.	1.1	0
34	Microstructural-defect-induced Dzyaloshinskii-Moriya interaction. Physical Review B, 2019, 99, .	1.1	23
35	Effect of grain-boundary diffusion process on the geometry of the grain microstructure of Ndâ^'Feâ^'B nanocrystalline magnets. Physical Review Materials, 2019, 3, .	0.9	4
36	Development of Smart Optical Gels with Highly Magnetically Responsive Bicelles. ACS Applied Materials & Interfaces, 2018, 10, 8926-8936.	4.0	13

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37	Structure and Interaction of Nanoparticleâ€“Protein Complexes. Langmuir, 2018, 34, 5679-5695.	1.6	55
38	Crystal-to-Crystal Transition of Ultrasoft Colloids under Shear. Physical Review Letters, 2018, 120, 078003.	2.9	29
39	Tuning Nanoparticleâ€“Micelle Interactions and Resultant Phase Behavior. Langmuir, 2018, 34, 259-267.	1.6	19
40	Structures and interactions among globular proteins above the isoelectric point in the presence of divalent ions: A small angle neutron scattering and dynamic light scattering study. Chemical Physics Letters, 2018, 693, 176-182.	1.2	14
41	Imidazolium based ionic liquid induced DNA gelation at remarkably low concentration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 184-191.	2.3	15
42	Structures and interactions among lysozyme proteins below the isoelectric point in presence of divalent ions. Chemical Physics Letters, 2018, 711, 8-14.	1.2	6
43	Surfactant induced stabilization of nano liquid crystalline (dodecane-phytantriol) droplet. AIP Conference Proceedings, 2018, , .	0.3	0
44	Unfolding and Refolding of Protein by a Combination of Ionic and Nonionic Surfactants. ACS Omega, 2018, 3, 8260-8270.	1.6	36
45	High Hydrostatic Pressure Induces a Lipid Phase Transition and Molecular Rearrangements in Lowâ€Đensity Lipoprotein Nanoparticles. Particle and Particle Systems Characterization, 2018, 35, 1800149.	1.2	2
46	Mixing ratio dependent complex coacervation versus bicontinuous gelation of pectin with in situ formed zein nanoparticles. Soft Matter, 2018, 14, 6463-6475.	1.2	12
47	Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. Nature Communications, 2018, 9, 1343.	5.8	54
48	Small-angle X-ray scattering tensor tomography: model of the three-dimensional reciprocal-space map, reconstruction algorithm and angular sampling requirements. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 12-24.	0.0	46
49	Combining SAXS and XAS To Study the Operando Degradation of Carbon-Supported Pt-Nanoparticle Fuel Cell Catalysts. ACS Catalysis, 2018, 8, 7000-7015.	5.5	58
50	Effect of ethanol on structures and interactions among globular proteins. Chemical Physics Letters, 2017, 670, 71-76.	1.2	16
51	Structure and Interaction in the pH-Dependent Phase Behavior of Nanoparticleâ€“Protein Systems. Langmuir, 2017, 33, 1227-1238.	1.6	37
52	Intermicellar Interactions and the Viscoelasticity of Surfactant Solutions: Complementary Use of SANS and SAXS. Langmuir, 2017, 33, 2617-2627.	1.6	21
53	Low-pH induced reversible reorganizations of chloroplast thylakoid membranes â€" As revealed by small-angle neutron scattering. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 360-365.	0.5	13
54	Mastering the magnetic susceptibility of magnetically responsive bicelles with 3Î²-amino-5-cholestene and complexed lanthanide ions. Physical Chemistry Chemical Physics, 2017, 19, 10820-10824.	1.3	6

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55	Self-assembly and gelation of TX-100 in water. Colloid and Polymer Science, 2017, 295, 903-909.	1.0	0
56	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. Nature Nanotechnology, 2017, 12, 642-647.	15.6	216
57	High hydrostatic pressure specifically affects molecular dynamics and shape of low-density lipoprotein particles. Scientific Reports, 2017, 7, 46034.	1.6	24
58	The effect of temperature, composition and alcohols on the microstructures of catanionic mixtures of sodium dodecylsulfate and cetyltrimethylammonium bromide in water. Soft Matter, 2017, 13, 3556-3567.	1.2	29
59	Methods for Generating Highly Magnetically Responsive Lanthanide-Chelating Phospholipid Polymolecular Assemblies. Langmuir, 2017, 33, 6363-6371.	1.6	4
60	Spin Structures of Textured and Isotropic Nd-Fe-B-Based Nanocomposites: Evidence for Correlated Crystallographic and Spin Textures. Physical Review Applied, 2017, 7, .	1.5	12
61	Structure and interaction in pathway of charged nanoparticles aggregation in saline water as probed by scattering techniques. Chemical Physics Letters, 2017, 675, 124-130.	1.2	16
62	Molecular engineering of lanthanide ion chelating phospholipids generating assemblies with a switched magnetic susceptibility. Physical Chemistry Chemical Physics, 2017, 19, 20991-21002.	1.3	8
63	Modifications in nanoparticle-protein interactions by varying the protein conformation. AIP Conference Proceedings, 2017, , .	0.3	0
64	pH-Dependent depletion induced phase behavior of silica nanoparticles. AIP Conference Proceedings, 2017, , .	0.3	1
65	Effect of ionic surfactant on the self-assembly of triblock copolymer. AIP Conference Proceedings, 2017, , .	0.3	3
66	Understanding the Enhanced Magnetic Response of Aminocholesterol Doped Lanthanide-Ion-Chelating Phospholipid Bicelles. Langmuir, 2017, 33, 8533-8544.	1.6	4
67	Vesicle to micelle transition in the ternary mixture of L121/SDS/D₂O: NMR, EPR and SANS studies. Physical Chemistry Chemical Physics, 2017, 19, 31747-31755.	1.3	15
68	Kinetics of aggregation in charged nanoparticle solutions driven by different mechanisms. AIP Conference Proceedings, 2017, , .	0.3	0
69	DNA ionogel: Structure and self-assembly. Physical Chemistry Chemical Physics, 2017, 19, 804-812.	1.3	27
70	Interactions in reentrant phase behavior of a charged nanoparticle solution by multivalent ions. Physical Review E, 2017, 96, 060602.	0.8	16
71	Transformation cycle between the spherically symmetric correlation function, projected correlation function and differential cross section as implemented inSASfit. Journal of Applied Crystallography, 2017, 50, 1395-1403.	1.9	14
72	Magnetic small-angle neutron scattering on bulk metallic glasses: A feasibility study for imaging displacement fields. Physical Review Materials, 2017, 1, .	0.9	5

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73	Structural Hierarchy in DNA Hydrogels. Journal of Applied Biotechnology & Bioengineering, 2017, 2, .	0.0	1
74	The Connection between Biaxial Orientation and Shear Thinning for Quasi-Ideal Rods. Polymers, 2016, 8, 291.	2.0	16
75	Advancing data analysis for reflectivity measurements of holographic nanocomposite gratings. Journal of Physics: Conference Series, 2016, 746, 012022.	0.3	2
76	Interaction of lysozyme protein with different sized silica nanoparticles and their resultant structures. AIP Conference Proceedings, 2016, , .	0.3	2
77	Rapamycin-loaded solid lipid nanoparticles: Morphology and impact of the drug loading on the phase transition between lipid polymorphs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 502, 54-65.	2.3	24
78	Viscoelasticity Enhancement of Surfactant Solutions Depends on Molecular Conformation: Influence of Surfactant Headgroup Structure and Its Counterion. Langmuir, 2016, 32, 4239-4250.	1.6	36
79	AOT Micelles/Vesicles for Synthesis of Silver Nanoparticles and Micellar Transitions Affected by Nanoparticles. ChemistrySelect, 2016, 1, 2864-2871.	0.7	0
80	Tailoring Bicelle Morphology and Thermal Stability with Lanthanide-Chelating Cholesterol Conjugates. Langmuir, 2016, 32, 9005-9014.	1.6	11
81	Synergistic effect of temperature, protein and salt concentration on structures and interactions among lysozyme proteins. Chemical Physics Letters, 2016, 657, 90-94.	1.2	8
82	Magnetic diffuse scattering in artificial kagome spin ice. Physical Review B, 2016, 93, .	1.1	36
83	Size-dependent interaction of silica nanoparticles with lysozyme and bovine serum albumin proteins. Physical Review E, 2016, 93, 052601.	0.8	33
84	Aggregation in charged nanoparticles solutions induced by different interactions. AIP Conference Proceedings, 2016, , .	0.3	1
85	Continuous Paranematic Ordering of Rigid and Semiflexible Amyloid-Fe₃O₄ Hybrid Fibrils in an External Magnetic Field. Biomacromolecules, 2016, 17, 2555-2561.	2.6	12
86	Effect of acetonitrileâ€“water mixtures on aggregation and counterion binding behavior of sodium dioctylsulphosuccinate micelles. Journal of Molecular Liquids, 2016, 216, 450-454.	2.3	12
87	Small-Angle Neutron Scattering Study of Interplay of Attractive and Repulsive Interactions in Nanoparticleâ€“Polymer System. Langmuir, 2016, 32, 1450-1459.	1.6	26
88	Single Chain Dynamic Structure Factor of Linear Polymers in an All-Polymer Nano-Composite. Macromolecules, 2016, 49, 2354-2364.	2.2	36
89	Magnetic microstructure of a textured Ndâ€“Feâ€“B sintered magnet characterized by small-angle neutron scattering. Journal of Alloys and Compounds, 2016, 661, 110-114.	2.8	11
90	Dynamic Nuclear Polarization using short-lived photo-excited triplet states: experiments and applications. , 2016, , .		0

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91	Electrolyte effect on the phase behavior of silica nanoparticles with lysozyme and bovine-serum-albumin proteins. Physical Review E, 2015, 91, 052306.	0.8	12
92	Tuning of protein-surfactant interaction to modify the resultant structure. Physical Review E, 2015, 92, 032713.	0.8	15
93	Structural study of surfactant-dependent interaction with protein. AIP Conference Proceedings, 2015, , .	0.3	1
94	Polarization analysis in neutron small-angle scattering with a novel triplet dynamic nuclear polarization spin filter. Journal of Applied Crystallography, 2015, 48, 1514-1521.	1.9	14
95	Modifications in interaction and structure of silica nanoparticle-BSA protein system in aqueous electrolyte solution. AIP Conference Proceedings, 2015, , .	0.3	0
96	Tuning of electrostatic vs. depletion interaction in deciding the phase behavior of nanoparticle-polymer system. AIP Conference Proceedings, 2015, , .	0.3	0
97	Probing nanoparticle effect in protein-surfactant complexes. AIP Conference Proceedings, 2015, , .	0.3	0
98	Efficient Synthesis of Single-Chain Globules Mimicking the Morphology and Polymerase Activity of Metalloenzymes. Macromolecular Rapid Communications, 2015, 36, 1592-1597.	2.0	52
99	SASfit: a tool for small-angle scattering data analysis using a library of analytical expressions. Journal of Applied Crystallography, 2015, 48, 1587-1598.	1.9	472
100	Small-angle neutron scattering of nanocrystalline gadolinium and holmium with random paramagnetic susceptibility. Journal of Physics Condensed Matter, 2015, 27, 046001.	0.7	1
101	Internal structure and thermo-viscoelastic properties of agar ionogels. Carbohydrate Polymers, 2015, 134, 617-626.	5.1	12
102	Comprehensive characterization of temperature- and pressure-induced bilayer phase transitions for saturated phosphatidylcholines containing longer chain homologs. Colloids and Surfaces B: Biointerfaces, 2015, 128, 389-397.	2.5	19
103	Relaxation dynamics and structural changes in DNA soft gels. Polymer, 2015, 65, 175-182.	1.8	9
104	Casein Micelles at Non-Ambient Pressure Studied by Neutron Scattering. Food Biophysics, 2015, 10, 51-56.	1.4	9
105	Micelle-induced depletion interaction and resultant structure in charged colloidal nanoparticle system. Journal of Applied Physics, 2015, 117, 164310.	1.1	22
106	Structure and interaction among protein and nanoparticle mixture in solution: Effect of temperature. Chemical Physics Letters, 2015, 641, 68-73.	1.2	4
107	Nanostructure surveys of macroscopic specimens by small-angle scattering tensor tomography. Nature, 2015, 527, 349-352.	13.7	170
108	Micellar solutions in contraction slit-flow: Alignment mapped by SANS. Journal of Non-Newtonian Fluid Mechanics, 2015, 215, 8-18.	1.0	27

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109	Investigation of coercivity mechanism in hot deformed Nd-Fe-B permanent magnets by small-angle neutron scattering. Journal of Applied Physics, 2014, 115, 17A730.	1.1	15
110	SANS study of interaction of silica nanoparticles with BSA protein and their resultant structure. , 2014, , .		0
111	SANS study of understanding mechanism of cold gelation of globular proteins. , 2014, , .		0
112	Structure and interaction in the polymer-dependent reentrant phase behavior of a charged nanoparticle solution. Physical Review E, 2014, 90, 042316.	0.8	21
113	Mono-, di- and tri-valent ion induced protein gelation: Small-angle neutron scattering study. Chemical Physics Letters, 2014, 593, 140-144.	1.2	14
114	Effect of ethylene glycol on the special counterion binding and microstructures of sodium dioctylsulfosuccinate micelles. Journal of Colloid and Interface Science, 2014, 414, 103-109.	5.0	16
115	Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels. ACS Applied Materials & Interfaces, 2014, 6, 1100-1105.	4.0	19
116	Scanning tunneling microscopy and small angle neutron scattering study of mixed monolayer protected gold nanoparticles in organic solvents. Chemical Science, 2014, 5, 1232.	3.7	36
117	Small-angle neutron scattering study of differences in phase behavior of silica nanoparticles in the presence of lysozyme and bovine serum albumin proteins. Physical Review E, 2014, 89, 032304.	0.8	37
118	Cationic versus Anionic Surfactant in Tuning the Structure and Interaction of Nanoparticle, Protein, and Surfactant Complexes. Langmuir, 2014, 30, 9941-9950.	1.6	27
119	A compact time-of-flight SANS instrument optimised for measurements of small sample volumes at the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 133-141.	0.7	9
120	A study of perpendicular magnetic recording media using polarized SANS. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C148-C148.	0.0	0
121	Magnetization reversal in Nd-Fe-B based nanocomposites as seen by magnetic small-angle neutron scattering. Applied Physics Letters, 2013, 102, 022415.	1.5	29
122	Shear thickening, temporal shear oscillations, and degradation of dilute equimolar CTAB/NaSal wormlike solutions. Rheologica Acta, 2013, 52, 297-312.	1.1	14
123	Cholesterol-Diethylenetriaminepentaacetate Complexed with Thulium Ions Integrated into Bicelles To Increase Their Magnetic Alignability. Journal of Physical Chemistry B, 2013, 117, 14743-14748.	1.2	10
124	Rheochaos and flow instability phenomena in a nonionic lamellar phase. Soft Matter, 2013, 9, 1133-1140.	1.2	25
125	Fe+3 ion induced protein gelation: Small-angle neutron scattering study. Chemical Physics Letters, 2013, 584, 172-176.	1.2	7
126	Foams Stabilized by Multilamellar Polyglycerol Ester Self-Assemblies. Langmuir, 2013, 29, 38-49.	1.6	29

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127	Defect-induced Au precipitation in Feâ€“Au and Feâ€“Auâ€“Bâ€“N alloys studied by in situ small-angle neutron scattering. Acta Materialia, 2013, 61, 7009-7019.	3.8	37
128	Alignment of Bicelles Studied with High-Field Magnetic Birefringence and Small-Angle Neutron Scattering Measurements. Langmuir, 2013, 29, 3467-3473.	1.6	19
129	Small-angle neutron scattering study of structure and interaction during salt-induced liquid-liquid phase transition in protein solutions. Physical Review E, 2013, 87, 062708.	0.8	28
130	Quantification of the neutron dark-field imaging signal in grating interferometry. Physical Review B, 2013, 88, .	1.1	30
131	Positron annihilation study of ageing precipitation in deformed Feâ€“Cuâ€“Bâ€“Nâ€“C. Philosophical Magazine, 2013, 93, 4182-4197.	0.7	4
132	Probing interaction of charged nanoparticles with uncharged micelles. , 2013, , .		0
133	Structure and interaction in liquid-liquid phase transition of silica nanoparticles in aqueous electrolyte solution. , 2013, , .		1
134	Small Angle Neutron Scattering Study of Fractal Structure of Oppositely Charged Nanoparticle and Protein Complexes. Journal of Nanofluids, 2013, 2, 194-200.	1.4	4
135	Holographic Gratings for Slow-Neutron Optics. Materials, 2012, 5, 2788-2815.	1.3	19
136	Electric field control of the skyrmion lattice in Cu₂OSeO₃. Journal of Physics Condensed Matter, 2012, 24, 432201.	0.7	127
137	Size dependent fractal aggregation mediated through surfactant in silica nanoparticle solution. , 2012, , .		0
138	Magnetisation reversal processes in composite perpendicular magnetic recording media. , 2012, , .		0
139	SANS study of Lysozyme vs. BSA protein adsorption on silica nanoparticles. , 2012, , .		3
140	Block copolymer-dependence on high-yield synthesis of gold nanoparticles. , 2012, , .		0
141	Mirrors for slow neutrons from holographic nanoparticle-polymer free-standing film-gratings. Applied Physics Letters, 2012, 100, .	1.5	24
142	Spin density wave induced disordering of the vortex lattice in superconducting La2â^'xSrxCuO4. Physical Review B, 2012, 85, .	1.1	22
143	Structural properties of thermoresponsive poly(N-isopropylacrylamide)-poly(ethyleneglycol) microgels. Journal of Chemical Physics, 2012, 136, 214903.	1.2	29
144	Three-port beam splitter for slow neutrons using holographic nanoparticle-polymer composite diffraction gratings. Applied Physics Letters, 2012, 101, .	1.5	17

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145	Evidence of a coreâ€“shell structure in the antiferromagnetic La0.2Ce0.8CrO3 nanoparticles by neutron scattering. Applied Physics A: Materials Science and Processing, 2012, 109, 385-390.	1.1	6
146	Mechanistic aspects of the horseradish peroxidase-catalysed polymerisation of aniline in the presence of AOT vesicles as templates. RSC Advances, 2012, 2, 6478.	1.7	55
147	Tripod facial surfactants with benzene as the central core: design, synthesis and self-assembly study. New Journal of Chemistry, 2012, 36, 1170.	1.4	1
148	The molecular origin of stress generation in worm-like micelles, using a rheo-SANS LAOS approach. Soft Matter, 2012, 8, 7831.	1.2	54
149	Study on the Subgel-Phase Formation Using an Asymmetric Phospholipid Bilayer Membrane by High-Pressure Fluorometry. Langmuir, 2012, 28, 12191-12198.	1.6	12
150	Size-Dependent Interaction of Silica Nanoparticles with Different Surfactants in Aqueous Solution. Langmuir, 2012, 28, 9288-9297.	1.6	79
151	Cholesterol Increases the Magnetic Aligning of Bicellar Disks from an Aqueous Mixture of DMPC and DMPEâ€“DTPA with Complexed Thulium Ions. Langmuir, 2012, 28, 10905-10915.	1.6	21
152	Evolution of structure and interaction during aggregation of silica nanoparticles in aqueous electrolyte solution. Chemical Physics Letters, 2012, 542, 74-80.	1.2	23
153	Magnetic Reversal Observation in Nano-Crystalline Nd-Fe-B Magnet by SANS. IEEE Transactions on Magnetics, 2012, 48, 2804-2807.	1.2	11
154	Neutron scattering study of the magnetic microstructure of nanocrystalline gadolinium. Physical Review B, 2012, 85, .	1.1	33
155	Small-angle neutron scattering study of temperature vs. salt dependence of clouding in charged micellar system. European Physical Journal E, 2012, 35, 55.	0.7	3
156	SANS and UVâ€“vis Spectroscopy Studies of Resultant Structure from Lysozyme Adsorption on Silica Nanoparticles. Langmuir, 2011, 27, 10167-10173.	1.6	40
157	Synthesis and Self-Organization of Poly(propylene oxide)-Based Amphiphilic and Triphilic Block Copolymers. Macromolecules, 2011, 44, 583-593.	2.2	42
158	Effect of Primary Particle Size and Salt Concentration on the Structure of Colloidal Gels. Journal of Physical Chemistry C, 2011, 115, 931-936.	1.5	8
159	Full Characterization of PBâ^'PEO Wormlike Micelles at Varying Solvent Selectivity. Macromolecules, 2011, 44, 3583-3593.	2.2	17
160	Tuning the Structure and the Magnetic Properties of Metallo-supramolecular Polyelectrolyteâ^'Amphiphile Complexes. Journal of the American Chemical Society, 2011, 133, 547-558.	6.6	78
161	Relaxation mechanisms in magnetic colloids studied by stroboscopic spin-polarized small-angle neutron scattering. Physical Review B, 2011, 84, .	1.1	16
162	Triggered Release from Liposomes through Magnetic Actuation of Iron Oxide Nanoparticle Containing Membranes. Nano Letters, 2011, 11, 1664-1670.	4.5	339

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163	Synthesis and Characterization of High Concentration Block Copolymer-Mediated Gold Nanoparticles. Langmuir, 2011, 27, 4048-4056.	1.6	64
164	Chain elongation of diacylphosphatidylcholine induces fully bilayer interdigitation under atmospheric pressure. Colloids and Surfaces B: Biointerfaces, 2011, 84, 44-48.	2.5	16
165	Influence of hydrophilic silica nanoparticles to the conformation of hydrophilic polymer chain in dilute solution system. Journal of Colloid and Interface Science, 2011, 353, 52-60.	5.0	5
166	Analysing SANS data to determine magnetisation reversal processes in composite perpendicular magnetic recording media using TEM images. International Journal of Materials Research, 2011, 102, 1142-1146.	0.1	2
167	Diffraction of slow neutrons by holographic SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>nanoparticle-polymer composite gratings. Physical Review A, 2011, 84, .	1.0	22
168	Holographic gratings for cold neutron optics. , 2011, , .		0
169	SANS Study of Liquid-Liquid Phase Transition in Protein Electrolyte Solution. , 2011, , .		0
170	SANS Study of Protein Adsorption on Nanoparticles. , 2011, , .		0
171	Osmotic shrinkage in star/linear polymer mixtures. European Physical Journal E, 2010, 32, 127-134.	0.7	37
172	SANS study of tuning of clouding in charged micellar system. Colloid and Polymer Science, 2010, 288, 1601-1610.	1.0	7
173	Structural and magnetic properties of amorphous iron oxide. Physica B: Condensed Matter, 2010, 405, 1202-1206.	1.3	15
174	Visualizing the propagation of volume magnetization in bulk ferromagnetic materials by neutron grating interferometry (invited). Journal of Applied Physics, 2010, 107, 09D308.	1.1	24
175	Size-dependent reversal of grains in perpendicular magnetic recording media measured by small-angle polarized neutron scattering. Applied Physics Letters, 2010, 97, 112503.	1.5	24
176	Room Temperature, High-yield Synthesis of Block Copolymer-mediated Gold Nanoparticles. , 2010, , .		1
177	SANS Study of Clustering of Charged Micelles in Aqueous Electrolyte Solution. , 2010, , .		0
178	Slow dynamics, aging, and crystallization of multiarm star glasses. Physical Review E, 2010, 81, 020402.	0.8	36
179	Size and Shape of Micelles Studied by Means of SANS, PCS, and FCS. Langmuir, 2010, 26, 9304-9314.	1.6	45
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