

Joachim Kohlbrecher

List of Publications by Year in descending order

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docs citations

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8322
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | <i>SASfit</i> : 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 |
| 2 | Triggered Release from Liposomes through Magnetic Actuation of Iron Oxide Nanoparticle Containing Membranes. Nano Letters, 2011, 11, 1664-1670. | 4.5 | 339 |
| 3 | Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. Nature Nanotechnology, 2017, 12, 642-647. | 15.6 | 216 |
| 4 | The new SANS instrument at the Swiss spallation source SINQ. Journal of Applied Crystallography, 2000, 33, 804-806. | 1.9 | 174 |
| 5 | Nanostructure surveys of macroscopic specimens by small-angle scattering tensor tomography. Nature, 2015, 527, 349-352. | 13.7 | 170 |
| 6 | Electric field control of the skyrmion lattice in Cu_2OSeO_3 . Journal of Physics Condensed Matter, 2012, 24, 432201. | 0.7 | 127 |
| 7 | Superconducting Vortices in CeCoIn_5 : Toward the Pauli-Limiting Field. Science, 2008, 319, 177-180. | 6.0 | 104 |
| 8 | Morphology of Poly(ethylene oxide) Dissolved in a Room Temperature Ionic Liquid: A Small Angle Neutron Scattering Study. Journal of Physical Chemistry B, 2006, 110, 1513-1515. | 1.2 | 91 |
| 9 | Triangular to Square Flux Lattice Phase Transition in $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physical Review Letters, 2004, 92, 067004. | 2.9 | 90 |
| 10 | <i>Operando</i> 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 |
| 11 | Neutron Decoherence Imaging for Visualizing Bulk Magnetic Domain Structures. Physical Review Letters, 2008, 101, 025504. | 2.9 | 88 |
| 12 | Size-Dependent Interaction of Silica Nanoparticles with Different Surfactants in Aqueous Solution. Langmuir, 2012, 28, 9288-9297. | 1.6 | 79 |
| 13 | Tuning the Structure and the Magnetic Properties of Metallo-supramolecular Polyelectrolyte-Amphiphile Complexes. Journal of the American Chemical Society, 2011, 133, 547-558. | 6.6 | 78 |
| 14 | Magnetism and anomalous transport in the Weyl semimetal PrAlGe : possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, . | 1.8 | 78 |
| 15 | Synthesis and Characterization of High Concentration Block Copolymer-Mediated Gold Nanoparticles. Langmuir, 2011, 27, 4048-4056. | 1.6 | 64 |
| 16 | Combining SAXS and XAS To Study the <i>Operando</i> Degradation of Carbon-Supported Pt-Nanoparticle Fuel Cell Catalysts. ACS Catalysis, 2018, 8, 7000-7015. | 5.5 | 58 |
| 17 | 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 |
| 18 | Structure and Interaction of Nanoparticle-Protein Complexes. Langmuir, 2018, 34, 5679-5695. | 1.6 | 55 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | The molecular origin of stress generation in worm-like micelles, using a rheo-SANS LAOS approach. <i>Soft Matter</i> , 2012, 8, 7831. | 1.2 | 54 |
| 20 | Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. <i>Nature Communications</i> , 2018, 9, 1343. | 5.8 | 54 |
| 21 | SANS study of salt induced micellization in PEO- <i>b</i> -PPO- <i>b</i> -PEO block copolymers. <i>Chemical Physics Letters</i> , 2001, 349, 458-462. | 1.2 | 52 |
| 22 | Efficient Synthesis of Single-Chain Globules Mimicking the Morphology and Polymerase Activity of Metalloenzymes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1592-1597. | 2.0 | 52 |
| 23 | Wormlike Micelles as <i>in</i> -Equilibrium Polyelectrolytes. <i>Light and Neutron Scattering Experiments</i> . <i>Langmuir</i> , 2002, 18, 2495-2505. | 1.6 | 51 |
| 24 | Small Angle Neutron Scattering Observation of Chain Retraction after a Large Step Deformation. <i>Physical Review Letters</i> , 2005, 95, 166001. | 2.9 | 50 |
| 25 | Core-shell structure of Miglyol/poly(D,L-lactide)/Ploxamer nanocapsules studied by small-angle neutron scattering. <i>Journal of Controlled Release</i> , 2005, 107, 244-252. | 4.8 | 49 |
| 26 | Neutron Optical Beam Splitter from Holographically Structured Nanoparticle-Polymer Composites. <i>Physical Review Letters</i> , 2010, 105, 123904. | 2.9 | 49 |
| 27 | Spontaneous Symmetry-Breaking Vortex Lattice Transitions in Pure Niobium. <i>Physical Review Letters</i> , 2006, 96, 167002. | 2.9 | 48 |
| 28 | Structural evolution during protein denaturation as induced by different methods. <i>Physical Review E</i> , 2008, 77, 031901. | 0.8 | 46 |
| 29 | Small-angle X-ray scattering tensor tomography: model of the three-dimensional reciprocal-space map, reconstruction algorithm and angular sampling requirements. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, 12-24. | 0.0 | 46 |
| 30 | Ion-Induced Formation of Nanocrystalline Cellulose Colloidal Glasses Containing Nematic Domains. <i>Langmuir</i> , 2019, 35, 4117-4124. | 1.6 | 46 |
| 31 | Size and Shape of Micelles Studied by Means of SANS, PCS, and FCS. <i>Langmuir</i> , 2010, 26, 9304-9314. | 1.6 | 45 |
| 32 | Magnetic coupling between the different phases in nanocrystalline Fe-Si-B studied by small angle neutron scattering. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 1-4. | 1.1 | 44 |
| 33 | Neutron diffraction at SINQ. <i>Neutron News</i> , 2000, 11, 19-21. | 0.1 | 44 |
| 34 | Silica filled elastomers: polymer chain and filler characterization in the undeformed state by a SANS- <i>b</i> -SAXS approach. <i>Polymer</i> , 2003, 44, 7505-7512. | 1.8 | 44 |
| 35 | A high pressure cell for small angle neutron scattering up to 500MPa in combination with light scattering to investigate liquid samples. <i>Review of Scientific Instruments</i> , 2007, 78, 125101. | 0.6 | 44 |
| 36 | Experimental study of the structural and magnetic properties of γ -Fe ₂ O ₃ nanoparticles. <i>Physical Review B</i> , 2006, 74, . | 1.1 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Synthesis and Self-Organization of Poly(propylene oxide)-Based Amphiphilic and Triphilic Block Copolymers. <i>Macromolecules</i> , 2011, 44, 583-593. | 2.2 | 42 |
| 38 | Structural study of coacervation in protein-polyelectrolyte complexes. <i>Physical Review E</i> , 2008, 78, 031913. | 0.8 | 40 |
| 39 | SANS and UV-vis Spectroscopy Studies of Resultant Structure from Lysozyme Adsorption on Silica Nanoparticles. <i>Langmuir</i> , 2011, 27, 10167-10173. | 1.6 | 40 |
| 40 | On the magnetic structure of magnetite/oleic acid/benzene ferrofluids by small-angle neutron scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 270, 371-379. | 1.0 | 39 |
| 41 | Osmotic shrinkage in star/linear polymer mixtures. <i>European Physical Journal E</i> , 2010, 32, 127-134. | 0.7 | 37 |
| 42 | Defect-induced Au precipitation in Fe-Au and Fe-Au-B-N alloys studied by in situ small-angle neutron scattering. <i>Acta Materialia</i> , 2013, 61, 7009-7019. | 3.8 | 37 |
| 43 | Small-angle neutron scattering study of differences in phase behavior of silica nanoparticles in the presence of lysozyme and bovine serum albumin proteins. <i>Physical Review E</i> , 2014, 89, 032304. | 0.8 | 37 |
| 44 | Structure and Interaction in the pH-Dependent Phase Behavior of Nanoparticle-Protein Systems. <i>Langmuir</i> , 2017, 33, 1227-1238. | 1.6 | 37 |
| 45 | Time-resolved nuclear spin-dependent small-angle neutron scattering from polarised proton domains in deuterated solutions. <i>European Physical Journal B</i> , 2006, 49, 157-165. | 0.6 | 36 |
| 46 | Surfactant-induced protein unfolding as studied by small-angle neutron scattering and dynamic light scattering. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 326102. | 0.7 | 36 |
| 47 | Quantitative Radiography of Magnetic Fields Using Neutron Spin Phase Imaging. <i>Physical Review Letters</i> , 2009, 102, 145501. | 2.9 | 36 |
| 48 | Slow dynamics, aging, and crystallization of multiarm star glasses. <i>Physical Review E</i> , 2010, 81, 020402. | 0.8 | 36 |
| 49 | Scanning tunneling microscopy and small angle neutron scattering study of mixed monolayer protected gold nanoparticles in organic solvents. <i>Chemical Science</i> , 2014, 5, 1232. | 3.7 | 36 |
| 50 | Viscoelasticity Enhancement of Surfactant Solutions Depends on Molecular Conformation: Influence of Surfactant Headgroup Structure and Its Counterion. <i>Langmuir</i> , 2016, 32, 4239-4250. | 1.6 | 36 |
| 51 | Magnetic diffuse scattering in artificial kagome spin ice. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 36 |
| 52 | Single Chain Dynamic Structure Factor of Linear Polymers in an All-Polymer Nano-Composite. <i>Macromolecules</i> , 2016, 49, 2354-2364. | 2.2 | 36 |
| 53 | Unfolding and Refolding of Protein by a Combination of Ionic and Nonionic Surfactants. <i>ACS Omega</i> , 2018, 3, 8260-8270. | 1.6 | 36 |
| 54 | Alternating Vorticity Bands in a Solution of Wormlike Micelles. <i>Physical Review Letters</i> , 2007, 99, 158302. | 2.9 | 34 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | Microstructure and Stability of a Lamellar Liquid Crystalline and Gel Phase Formed by a Polyglycerol Ester Mixture in Dilute Aqueous Solution. <i>Langmuir</i> , 2007, 23, 12827-12834. | 1.6 | 34 |
| 56 | Low-temperature dynamics of magnetic colloids studied by time-resolved small-angle neutron scattering. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 34 |
| 57 | Extended Conformation of Mammalian Translation Elongation Factor 1A in Solution. <i>Biochemistry</i> , 2002, 41, 15342-15349. | 1.2 | 33 |
| 58 | Neutron scattering study of the magnetic microstructure of nanocrystalline gadolinium. <i>Physical Review B</i> , 2012, 85, . | 1.1 | 33 |
| 59 | Size-dependent interaction of silica nanoparticles with lysozyme and bovine serum albumin proteins. <i>Physical Review E</i> , 2016, 93, 052601. | 0.8 | 33 |
| 60 | Particle dynamics in concentrated colloidal suspensions. <i>Faraday Discussions</i> , 2003, 123, 385-400. | 1.6 | 32 |
| 61 | Measured Total Cross Sections of Slow Neutrons Scattered by Solid Deuterium and Implications for Ultracold Neutron Sources. <i>Physical Review Letters</i> , 2005, 95, 182502. | 2.9 | 31 |
| 62 | Quantification of the neutron dark-field imaging signal in grating interferometry. <i>Physical Review B</i> , 2013, 88, . | 1.1 | 30 |
| 63 | Length scale hierarchy in sol, gel, and coacervate phases of gelatin. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1653-1667. | 2.4 | 29 |
| 64 | Structural properties of thermoresponsive poly(<i>N</i> -isopropylacrylamide)-poly(ethyleneglycol) microgels. <i>Journal of Chemical Physics</i> , 2012, 136, 214903. | 1.2 | 29 |
| 65 | Magnetization reversal in Nd-Fe-B based nanocomposites as seen by magnetic small-angle neutron scattering. <i>Applied Physics Letters</i> , 2013, 102, 022415. | 1.5 | 29 |
| 66 | Foams Stabilized by Multilamellar Polyglycerol Ester Self-Assemblies. <i>Langmuir</i> , 2013, 29, 38-49. | 1.6 | 29 |
| 67 | The effect of temperature, composition and alcohols on the microstructures of catanionic mixtures of sodium dodecylsulfate and cetyltrimethylammonium bromide in water. <i>Soft Matter</i> , 2017, 13, 3556-3567. | 1.2 | 29 |
| 68 | Crystal-to-Crystal Transition of Ultrasoft Colloids under Shear. <i>Physical Review Letters</i> , 2018, 120, 078003. | 2.9 | 29 |
| 69 | Microstructural Understanding of the Length- and Stiffness-Dependent Shear Thinning in Semidilute Colloidal Rods. <i>Macromolecules</i> , 2019, 52, 9604-9612. | 2.2 | 29 |
| 70 | Dipolar correlations in a nanocomposite: A neutron scattering study of NanopermFe ₈₉ Zr ₇ B ₃ Cu. <i>Physical Review B</i> , 2006, 74, . | 1.1 | 28 |
| 71 | Structure and degeneracy of vortex lattice domains in pure superconducting niobium: A small-angle neutron scattering study. <i>Physical Review B</i> , 2009, 79, . | 1.1 | 28 |
| 72 | Fermi Surface and Order Parameter Driven Vortex Lattice Structure Transitions in Twin-Free YBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 2009, 102, 097001. | 2.9 | 28 |

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| 73 | Small-angle neutron scattering study of structure and interaction during salt-induced liquid-liquid phase transition in protein solutions. <i>Physical Review E</i> , 2013, 87, 062708. | 0.8 | 28 |
| 74 | Effect of magnetic field annealing on the soft magnetic properties of nanocrystalline materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, 458-461. | 1.0 | 27 |
| 75 | Cationic versus Anionic Surfactant in Tuning the Structure and Interaction of Nanoparticle, Protein, and Surfactant Complexes. <i>Langmuir</i> , 2014, 30, 9941-9950. | 1.6 | 27 |
| 76 | Micellar solutions in contraction slit-flow: Alignment mapped by SANS. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 215, 8-18. | 1.0 | 27 |
| 77 | DNA ionogel: Structure and self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 804-812. | 1.3 | 27 |
| 78 | Novel Type of Bicellar Disks from a Mixture of DMPC and DMPE-DTPA with Complexed Lanthanides. <i>Langmuir</i> , 2010, 26, 5382-5387. | 1.6 | 26 |
| 79 | Small-Angle Neutron Scattering Study of Interplay of Attractive and Repulsive Interactions in Nanoparticle-Polymer System. <i>Langmuir</i> , 2016, 32, 1450-1459. | 1.6 | 26 |
| 80 | Local order in Pt ₄₇ at.%Rh measured with x-ray and neutron scattering. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 25 |
| 81 | Characterisation of the polarised neutron beam at the small angle scattering instrument SANS-I with a polarised proton target. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 586, 86-89. | 0.7 | 25 |
| 82 | Dynamic response of block copolymer wormlike micelles to shear flow. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 404207. | 0.7 | 25 |
| 83 | Small-angle neutron scattering study of structure and kinetics of temperature-induced protein gelation. <i>Physical Review E</i> , 2009, 79, 021912. | 0.8 | 25 |
| 84 | Rheochaos and flow instability phenomena in a nonionic lamellar phase. <i>Soft Matter</i> , 2013, 9, 1133-1140. | 1.2 | 25 |
| 85 | Evolution of Interactions in the Protein Solution As Induced by Mono and Multivalent Ions. <i>Biomacromolecules</i> , 2019, 20, 2123-2134. | 2.6 | 25 |
| 86 | Spin structure of nanocrystalline gadolinium. <i>Europhysics Letters</i> , 2008, 81, 66003. | 0.7 | 24 |
| 87 | Visualizing the propagation of volume magnetization in bulk ferromagnetic materials by neutron grating interferometry (invited). <i>Journal of Applied Physics</i> , 2010, 107, 09D308. | 1.1 | 24 |
| 88 | Size-dependent reversal of grains in perpendicular magnetic recording media measured by small-angle polarized neutron scattering. <i>Applied Physics Letters</i> , 2010, 97, 112503. | 1.5 | 24 |
| 89 | Mirrors for slow neutrons from holographic nanoparticle-polymer free-standing film-gratings. <i>Applied Physics Letters</i> , 2012, 100, . | 1.5 | 24 |
| 90 | Rapamycin-loaded solid lipid nanoparticles: Morphology and impact of the drug loading on the phase transition between lipid polymorphs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 54-65. | 2.3 | 24 |

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| 91 | High hydrostatic pressure specifically affects molecular dynamics and shape of low-density lipoprotein particles. <i>Scientific Reports</i> , 2017, 7, 46034. | 1.6 | 24 |
| 92 | Neutron scattering from polarised proton domains. <i>Europhysics Letters</i> , 2002, 59, 62-67. | 0.7 | 23 |
| 93 | Entropy-induced micellization of block copolymer in aqueous solution in presence of selective additives. <i>Chemical Physics Letters</i> , 2006, 425, 118-122. | 1.2 | 23 |
| 94 | Evolution of structure and interaction during aggregation of silica nanoparticles in aqueous electrolyte solution. <i>Chemical Physics Letters</i> , 2012, 542, 74-80. | 1.2 | 23 |
| 95 | Microstructural-defect-induced Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 23 |
| 96 | Diffraction of slow neutrons by holographic SiO ₂ nanoparticle-polymer composite gratings. <i>Physical Review A</i> , 2011, 84, . | 1.0 | 22 |
| 97 | Spin density wave induced disordering of the vortex lattice in superconducting La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 2012, 85, . | 1.1 | 22 |
| 98 | Micelle-induced depletion interaction and resultant structure in charged colloidal nanoparticle system. <i>Journal of Applied Physics</i> , 2015, 117, 164310. | 1.1 | 22 |
| 99 | Cholesterol Increases the Magnetic Aligning of Bicellar Disks from an Aqueous Mixture of DMPC and DMPEâ€“DTPA with Complexed Thulium Ions. <i>Langmuir</i> , 2012, 28, 10905-10915. | 1.6 | 21 |
| 100 | Structure and interaction in the polymer-dependent reentrant phase behavior of a charged nanoparticle solution. <i>Physical Review E</i> , 2014, 90, 042316. | 0.8 | 21 |
| 101 | Intermicellar Interactions and the Viscoelasticity of Surfactant Solutions: Complementary Use of SANS and SAXS. <i>Langmuir</i> , 2017, 33, 2617-2627. | 1.6 | 21 |
| 102 | Fluorescent complex coacervates of agar and in situ formed zein nanoparticles: Role of electrostatic forces. <i>Carbohydrate Polymers</i> , 2019, 224, 115150. | 5.1 | 21 |
| 103 | A SANS Study of 3PEGâˆ“LiClO ₄ âˆ“TiO ₂ Nanocomposite Polymer Electrolytes. <i>Macromolecules</i> , 2005, 38, 6666-6671. | 2.2 | 20 |
| 104 | Simultaneous light and small-angle neutron scattering on aggregating concentrated colloidal suspensions. <i>Journal of Applied Crystallography</i> , 2003, 36, 1-6. | 1.9 | 19 |
| 105 | Holographic Gratings for Slow-Neutron Optics. <i>Materials</i> , 2012, 5, 2788-2815. | 1.3 | 19 |
| 106 | Alignment of Bicelles Studied with High-Field Magnetic Birefringence and Small-Angle Neutron Scattering Measurements. <i>Langmuir</i> , 2013, 29, 3467-3473. | 1.6 | 19 |
| 107 | Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1100-1105. | 4.0 | 19 |
| 108 | Comprehensive characterization of temperature- and pressure-induced bilayer phase transitions for saturated phosphatidylcholines containing longer chain homologs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 389-397. | 2.5 | 19 |

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| 109 | Tuning Nanoparticle-Micelle Interactions and Resultant Phase Behavior. <i>Langmuir</i> , 2018, 34, 259-267. | 1.6 | 19 |
| 110 | A transportable neutron spin filter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 921, 22-26. | 0.7 | 19 |
| 111 | A Ramsey apparatus for the measurement of the incoherent neutron scattering length of the deuteron. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 589, 318-329. | 0.7 | 18 |
| 112 | Small-angle neutron scattering study of protein unfolding and refolding. <i>Physical Review E</i> , 2009, 80, 011924. | 0.8 | 18 |
| 113 | Interaction of a bovine serum albumin (BSA) protein with mixed anionic-cationic surfactants and the resultant structure. <i>Soft Matter</i> , 2021, 17, 6972-6984. | 1.2 | 18 |
| 114 | Counterion condensation on charged micelles in an aqueous electrolyte solution as studied with combined small-angle neutron scattering and small-angle x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 11399-11410. | 0.7 | 17 |
| 115 | Full Characterization of PB-PEO Wormlike Micelles at Varying Solvent Selectivity. <i>Macromolecules</i> , 2011, 44, 3583-3593. | 2.2 | 17 |
| 116 | Three-port beam splitter for slow neutrons using holographic nanoparticle-polymer composite diffraction gratings. <i>Applied Physics Letters</i> , 2012, 101, . | 1.5 | 17 |
| 117 | Colloidal dispersions of octadecyl grafted silica spheres in toluene: A global analysis of small angle neutron scattering contrast variation and concentration dependence measurements. <i>Journal of Chemical Physics</i> , 2006, 125, 044715. | 1.2 | 16 |
| 118 | Structure and phase diagram of an adhesive colloidal dispersion under high pressure: A small angle neutron scattering, diffusing wave spectroscopy, and light scattering study. <i>Journal of Chemical Physics</i> , 2009, 130, 154903. | 1.2 | 16 |
| 119 | Relaxation mechanisms in magnetic colloids studied by stroboscopic spin-polarized small-angle neutron scattering. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 16 |
| 120 | Chain elongation of diacylphosphatidylcholine induces fully bilayer interdigitation under atmospheric pressure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 44-48. | 2.5 | 16 |
| 121 | Effect of ethylene glycol on the special counterion binding and microstructures of sodium dioctylsulfosuccinate micelles. <i>Journal of Colloid and Interface Science</i> , 2014, 414, 103-109. | 5.0 | 16 |
| 122 | The Connection between Biaxial Orientation and Shear Thinning for Quasi-Ideal Rods. <i>Polymers</i> , 2016, 8, 291. | 2.0 | 16 |
| 123 | Effect of ethanol on structures and interactions among globular proteins. <i>Chemical Physics Letters</i> , 2017, 670, 71-76. | 1.2 | 16 |
| 124 | Structure and interaction in pathway of charged nanoparticles aggregation in saline water as probed by scattering techniques. <i>Chemical Physics Letters</i> , 2017, 675, 124-130. | 1.2 | 16 |
| 125 | Interactions in reentrant phase behavior of a charged nanoparticle solution by multivalent ions. <i>Physical Review E</i> , 2017, 96, 060602. | 0.8 | 16 |
| 126 | Evolution of nematic and ferromagnetic ordering in suspensions of magnetic nanoplatelets. <i>Soft Matter</i> , 2019, 15, 5412-5420. | 1.2 | 16 |

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|-----|--|-----|-----------|
| 127 | Enhanced Room-Temperature Photoluminescence Quantum Yield in Morphology Controlled Aggregates. <i>Advanced Science</i> , 2021, 8, 1903080. | 5.6 | 16 |
| 128 | SANS study of concentration effect in magnetite/oleic acid/benzene ferrofluid. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s943-s944. | 1.1 | 15 |
| 129 | Measured Total Cross Sections of Slow Neutrons Scattered by Gaseous and Liquid H ₂ . <i>Physical Review Letters</i> , 2005, 94, 212502. | 2.9 | 15 |
| 130 | Structural and magnetic properties of amorphous iron oxide. <i>Physica B: Condensed Matter</i> , 2010, 405, 1202-1206. | 1.3 | 15 |
| 131 | Investigation of coercivity mechanism in hot deformed Nd-Fe-B permanent magnets by small-angle neutron scattering. <i>Journal of Applied Physics</i> , 2014, 115, 17A730. | 1.1 | 15 |
| 132 | Tuning of protein-surfactant interaction to modify the resultant structure. <i>Physical Review E</i> , 2015, 92, 032713. | 0.8 | 15 |
| 133 | Vesicle to micelle transition in the ternary mixture of L121/SDS/D ₂ O: NMR, EPR and SANS studies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31747-31755. | 1.3 | 15 |
| 134 | Imidazolium based ionic liquid induced DNA gelation at remarkably low concentration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 184-191. | 2.3 | 15 |
| 135 | Accelerating small-angle scattering experiments on anisotropic samples using kernel density estimation. <i>Scientific Reports</i> , 2019, 9, 1526. | 1.6 | 15 |
| 136 | Small-angle neutron scattering and cyclic voltammetry study on electrochemically oxidized and reduced pyrolytic carbon. <i>Electrochimica Acta</i> , 2004, 49, 1105-1112. | 2.6 | 14 |
| 137 | Creating local contrast in small-angle neutron scattering by dynamic nuclear polarization. <i>Journal of Applied Crystallography</i> , 2007, 40, s106-s110. | 1.9 | 14 |
| 138 | Porosity-induced spin disorder in nanocrystalline inert-gas-condensed iron. <i>Europhysics Letters</i> , 2009, 85, 47003. | 0.7 | 14 |
| 139 | Shear thickening, temporal shear oscillations, and degradation of dilute equimolar CTAB/NaSal wormlike solutions. <i>Rheologica Acta</i> , 2013, 52, 297-312. | 1.1 | 14 |
| 140 | Mono-, di- and tri-valent ion induced protein gelation: Small-angle neutron scattering study. <i>Chemical Physics Letters</i> , 2014, 593, 140-144. | 1.2 | 14 |
| 141 | Polarization analysis in neutron small-angle scattering with a novel triplet dynamic nuclear polarization spin filter. <i>Journal of Applied Crystallography</i> , 2015, 48, 1514-1521. | 1.9 | 14 |
| 142 | Transformation cycle between the spherically symmetric correlation function, projected correlation function and differential cross section as implemented in SASfit. <i>Journal of Applied Crystallography</i> , 2017, 50, 1395-1403. | 1.9 | 14 |
| 143 | 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. <i>Chemical Physics Letters</i> , 2018, 693, 176-182. | 1.2 | 14 |
| 144 | An experimental approach to the dynamics of nuclear polarisation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 526, 81-90. | 0.7 | 13 |

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|-----|--|-----|-----------|
| 145 | Grain-boundary-induced spin disorder in nanocrystalline gadolinium. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 156003. | 0.7 | 13 |
| 146 | Low-pH induced reversible reorganizations of chloroplast thylakoid membranes "As revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 360-365. | 0.5 | 13 |
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