

Martin A Schroer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2752657/publications.pdf>

Version: 2024-02-01

71
papers

1,715
citations

257101

24
h-index

301761

39
g-index

75
all docs

75
docs citations

75
times ranked

2713
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling agglomeration and deagglomeration in aqueous colloidal dispersions of very small tin dioxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2681-2693.	5.0	5
2	Rigid-to-Flexible Transition in a Molecular Brush in a Good Solvent at a Semidilute Concentration. <i>Langmuir</i> , 2022, 38, 5226-5236.	1.6	3
3	Self-Assembled Micelles from Thermoresponsive Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (methacrylate)-<i>N</i>-i- Macromolecules, 2021, 54, 384-397.	2.2	20
4	Anomalous SAXS at P12 beamline EMBL Hamburg: instrumentation and applications. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 812-823.	1.0	9
5	Cotton Textile/Iron Oxide Nanozyme Composites with Peroxidase-like Activity: Preparation, Characterization, and Application. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23627-23637.	4.0	24
6	Structure of the endocytic adaptor complex reveals the basis for efficient membrane anchoring during clathrin-mediated endocytosis. <i>Nature Communications</i> , 2021, 12, 2889.	5.8	13
7	ASAXS measurements on ferritin and apoferritin at the bioSAXS beamline P12 (PETRA III, DESY). <i>Journal of Applied Crystallography</i> , 2021, 54, 830-838.	1.9	6
8	Co-Nonsolvency Effect in Solutions of Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (methacrylate)-<i>N</i>-i- Mixtures. <i>Macromolecules</i> , 2021, 54, 5825-5837.	2.2	13
9	Dependence of the Nanoscale Composite Morphology of Fe ₃ O ₄ Nanoparticle-Infused Lysozyme Amyloid Fibrils on Timing of Infusion: A Combined SAXS and AFM Study. <i>Molecules</i> , 2021, 26, 4864.	1.7	2
10	Probing the existence of non-thermal Terahertz radiation induced changes of the protein solution structure. <i>Scientific Reports</i> , 2021, 11, 22311.	1.6	4
11	Clustering in ferronematicsâ€™The effect of magnetic collective ordering. <i>IScience</i> , 2021, 24, 103493.	1.9	3
12	Structural Kinetics of MsbA Investigated by Stopped-Flow Time-Resolved Small-Angle X-Ray Scattering. <i>Structure</i> , 2020, 28, 348-354.e3.	1.6	28
13	Effect of the concentration of protein and nanoparticles on the structure of biohybrid nanocomposites. <i>Biopolymers</i> , 2020, 111, e23342.	1.2	7
14	A THz transparent 3D printed microfluidic cell for small angle x-ray scattering. <i>Review of Scientific Instruments</i> , 2020, 91, 084101.	0.6	5
15	Slowing down of dynamics and orientational order preceding crystallization in hard-sphere systems. <i>Science Advances</i> , 2020, 6, .	4.7	10
16	Investigation of pH-Responsiveness inside Lipid Nanoparticles for Parenteral mRNA Application Using Small-Angle X-ray Scattering. <i>Langmuir</i> , 2020, 36, 13331-13341.	1.6	28
17	Polysarcosine-Functionalized Lipid Nanoparticles for Therapeutic mRNA Delivery. <i>ACS Applied Nano Materials</i> , 2020, 3, 10634-10645.	2.4	108
18	Hybrid Biopolymer and Lipid Nanoparticles with Improved Transfection Efficacy for mRNA. <i>Cells</i> , 2020, 9, 2034.	1.8	57

#	ARTICLE	IF	CITATIONS
19	Selection, biophysical and structural analysis of synthetic nanobodies that effectively neutralize SARS-CoV-2. <i>Nature Communications</i> , 2020, 11, 5588.	5.8	132
20	Hydration in aqueous osmolyte solutions: the case of TMAO and urea. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11614-11624.	1.3	11
21	Supercrystal Formation of Gold Nanorods by High Pressure Stimulation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29994-30000.	1.5	4
22	Kinetics of pressure-induced nanocrystal superlattice formation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21349-21354.	1.3	7
23	Investigation of charge ratio variation in mRNA " DEAE-dextran polyplex delivery systems. <i>Biomaterials</i> , 2019, 192, 612-620.	5.7	40
24	Local orientational order in self-assembled nanoparticle films: the role of ligand composition and salt. <i>Journal of Applied Crystallography</i> , 2019, 52, 777-782.	1.9	5
25	Recent developments towards high-flux time-resolved and terahertz SAXS experiments on the EMBL P12 BioSAXS beamline. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e639-e639.	0.0	0
26	Structure and Stability of PEG- and Mixed PEG-Layer-Coated Nanoparticles at High Particle Concentrations Studied In Situ by Small-Angle X-Ray Scattering. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700319.	1.2	17
27	A Multiperspective Approach to Solvent Regulation of Enzymatic Activity: HMG-CoA Reductase. <i>ChemBioChem</i> , 2018, 19, 153-158.	1.3	3
28	Hydration in aqueous solutions of ectoine and hydroxyectoine. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27917-27923.	1.3	16
29	Recent developments in small-angle X-ray scattering and hybrid method approaches for biomacromolecular solutions. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 69-79.	1.1	29
30	Pressure-Stimulated Supercrystal Formation in Nanoparticle Suspensions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4720-4724.	2.1	14
31	Water-Mediated Protein-Protein Interactions at High Pressures are Controlled by a Deep-Sea Osmolyte. <i>Physical Review Letters</i> , 2018, 121, 038101.	2.9	30
32	Smaller capillaries improve the small-angle X-ray scattering signal and sample consumption for biomacromolecular solutions. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1113-1122.	1.0	27
33	Heterogeneous local order in self-assembled nanoparticle films revealed by X-ray cross-correlations. <i>IUCr</i> , 2018, 5, 354-360.	1.0	14
34	Dynamics of soft nanoparticle suspensions at hard X-ray FEL sources below the radiation-damage threshold. <i>IUCr</i> , 2018, 5, 801-807.	1.0	18
35	Structuralization of magnetic nanoparticles in 5CB liquid crystals. <i>Soft Matter</i> , 2017, 13, 7890-7896.	1.2	24
36	Microsecond Structural Rheology. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3581-3585.	2.1	8

#	ARTICLE	IF	CITATIONS
37	Tuning the Size of Thermoresponsive Poly(N-Isopropyl Acrylamide) Grafted Silica Microgels. <i>Gels</i> , 2017, 3, 34.	2.1	20
38	Status of the EMBL BioSAXS beamline P12 at PETRA III. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C686-C686.	0.0	0
39	Study and mitigation of radiation damage on the P12 BioSAXS beamline. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1026-C1026.	0.0	0
40	High-flux time-resolved experiments and anomalous scattering at EMBL P12 beamline. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C612-C612.	0.0	0
41	A liquid jet setup for x-ray scattering experiments on complex liquids at free-electron laser sources. <i>Review of Scientific Instruments</i> , 2016, 87, 063905.	0.6	9
42	Influence of TMAO and urea on the structure of water studied by inelastic X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16518-16526.	1.3	50
43	Tuning the Interaction of Nanoparticles from Repulsive to Attractive by Pressure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19856-19861.	1.5	19
44	Ligand Layer Engineering To Control Stability and Interfacial Properties of Nanoparticles. <i>Langmuir</i> , 2016, 32, 7897-7907.	1.6	31
45	Stabilizing effect of TMAO on globular PNIPAM states: preferential attraction induces preferential hydration. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31459-31470.	1.3	55
46	Colloidal crystallite suspensions studied by high pressure small angle x-ray scattering. <i>Journal of Chemical Physics</i> , 2016, 144, 084903.	1.2	11
47	Concentration dependent effects of urea binding to poly(N-isopropylacrylamide) brushes: a combined experimental and numerical study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5324-5335.	1.3	61
48	High-throughput and time-resolved BioSAXS at the P12 beamline of EMBL Hamburg. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s14-s14.	0.0	0
49	Sequential Single Shot X-ray Photon Correlation Spectroscopy at the SACLA Free Electron Laser. <i>Scientific Reports</i> , 2015, 5, 17193.	1.6	30
50	Nano-beam X-ray microscopy of dried colloidal films. <i>Soft Matter</i> , 2015, 11, 5465-5472.	1.2	16
51	Correlated heterogeneous dynamics in glass-forming polymers. <i>Physical Review E</i> , 2015, 91, 042309.	0.8	39
52	A miniature closed-circle flow cell for high photon flux X-ray scattering experiments. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1555-1558.	1.0	12
53	Characteristics of angular cross correlations studied by light scattering from two-dimensional microsphere films. <i>Physical Review E</i> , 2014, 90, 012309.	0.8	12
54	Single Shot Coherence Properties of the Free-Electron Laser SACLA in the Hard X-ray Regime. <i>Scientific Reports</i> , 2014, 4, 5234.	1.6	69

#	ARTICLE	IF	CITATIONS
55	pH controlled condensation of polysiloxane networks at the water-air interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 455, 44-48.	2.3	2
56	Iron oxide film growth under ultrathin polysiloxane networks. Colloid and Polymer Science, 2013, 291, 653-659.	1.0	2
57	Formation of iron containing aggregates at the liquid-air interface. Colloids and Surfaces B: Biointerfaces, 2013, 109, 74-81.	2.5	4
58	Study of time and pressure dependent phenomena at the hard x-ray beamline BL9 of DELTA. Journal of Physics: Conference Series, 2013, 425, 202006.	0.3	2
59	Exploring the thermodynamic derivatives of the structure factor of dense protein solutions. Physical Chemistry Chemical Physics, 2012, 14, 9486.	1.3	13
60	The Effect of Ionic Strength, Temperature, and Pressure on the Interaction Potential of Dense Protein Solutions: From Nonlinear Pressure Response to Protein Crystallization. Biophysical Journal, 2012, 102, 2641-2648.	0.2	53
61	Adsorption of nanoparticles at the solid-liquid interface. Journal of Colloid and Interface Science, 2012, 374, 287-290.	5.0	10
62	Intercalation in Layered Metal-Organic Frameworks: Reversible Inclusion of an Extended π -System. Journal of the American Chemical Society, 2011, 133, 8158-8161.	6.6	116
63	Nonlinear Pressure Dependence of the Interaction Potential of Dense Protein Solutions. Physical Review Letters, 2011, 106, 178102.	2.9	60
64	Dissolution of iron oxide nanoparticles inside polymer nanocapsules. Physical Chemistry Chemical Physics, 2011, 13, 20354.	1.3	8
65	Structural plasticity of staphylococcal nuclease probed by perturbation with pressure and pH. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1293-1305.	1.5	28
66	Exploring the Piezophilic Behavior of Natural Cosolvent Mixtures. Angewandte Chemie - International Edition, 2011, 50, 11413-11416.	7.2	79
67	Manipulating thin polymer films by changing the pH value. Journal of Applied Physics, 2011, 110, .	1.1	4
68	Unique Features of the Folding Landscape of a Repeat Protein Revealed by Pressure Perturbation. Biophysical Journal, 2010, 98, 2712-2721.	0.2	38
69	High-Pressure SAXS Study of Folded and Unfolded Ensembles of Proteins. Biophysical Journal, 2010, 99, 3430-3437.	0.2	43
70	Phase separation and Si nanocrystal formation in bulk SiO studied by x-ray scattering. Applied Physics Letters, 2010, 96, .	1.5	30
71	Hydration in aqueous NaCl. Physical Chemistry Chemical Physics, 0, , .	1.3	0