

# Jan Skov Pedersen

## List of Publications by Year in descending order

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407  
papers

22,565  
citations

9786

73  
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12597

132  
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424  
all docs

424  
docs citations

424  
times ranked

21579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of a nanoscale DNA box with a controllable lid. <i>Nature</i> , 2009, 459, 73-76.	27.8	1,464
2	Analysis of small-angle scattering data from colloids and polymer solutions: modeling and least-squares fitting. <i>Advances in Colloid and Interface Science</i> , 1997, 70, 171-210.	14.7	1,423
3	Structural study on the micelle formation of poly(ethylene oxide)-poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 T	4.8	679
4	Scattering Functions of Semiflexible Polymers with and without Excluded Volume Effects. <i>Macromolecules</i> , 1996, 29, 7602-7612.	4.8	535
5	Small-angle neutron scattering study of structural changes in temperature sensitive microgel colloids. <i>Journal of Chemical Physics</i> , 2004, 120, 6197-6206.	3.0	501
6	Scattering Form Factor of Block Copolymer Micelles. <i>Macromolecules</i> , 1996, 29, 1363-1365.	4.8	422
7	Analytical treatment of the resolution function for small-angle scattering. <i>Journal of Applied Crystallography</i> , 1990, 23, 321-333.	4.5	419
8	Self-Healing Mussel-Inspired Multi-pH-Responsive Hydrogels. <i>Biomacromolecules</i> , 2013, 14, 297-301.	5.4	399
9	Determination of size distribution from small-angle scattering data for systems with effective hard-sphere interactions. <i>Journal of Applied Crystallography</i> , 1994, 27, 595-608.	4.5	388
10	Structure of the Exon Junction Core Complex with a Trapped DEAD-Box ATPase Bound to RNA. <i>Science</i> , 2006, 313, 1968-1972.	12.6	365
11	Form factors of block copolymer micelles with spherical, ellipsoidal and cylindrical cores. <i>Journal of Applied Crystallography</i> , 2000, 33, 637-640.	4.5	293
12	Are Thermoresponsive Microgels Model Systems for Concentrated Colloidal Suspensions? A Rheology and Small-Angle Neutron Scattering Study. <i>Langmuir</i> , 2004, 20, 7283-7292.	3.5	247
13	Coherent Nanotwins and Dynamic Disorder in Cesium Lead Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2017, 11, 3819-3831.	14.6	246
14	The Role of Stable I $\pm$ -Synuclein Oligomers in the Molecular Events Underlying Amyloid Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 3859-3868.	13.7	218
15	A flux- and background-optimized version of the NanoSTAR small-angle X-ray scattering camera for solution scattering. <i>Journal of Applied Crystallography</i> , 2004, 37, 369-380.	4.5	215
16	Sphere, Cylinder, and Vesicle Nanoaggregates in Poly(styrene-b-isoprene) Diblock Copolymer Solutions. <i>Macromolecules</i> , 2006, 39, 1199-1208.	4.8	211
17	Association behavior of native $\gamma$ -lactoglobulin. , 1999, 49, 11-20.		186
18	SDS-Induced Fibrillation of I $\pm$ -Synuclein: An Alternative Fibrillation Pathway. <i>Journal of Molecular Biology</i> , 2010, 401, 115-133.	4.2	182

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19	Structure of the haptoglobin-haemoglobin complex. <i>Nature</i> , 2012, 489, 456-459.	27.8	180
20	Conformation of Cylindrical Brushes in Solution: Effect of Side Chain Length. <i>Macromolecules</i> , 2006, 39, 8440-8450.	4.8	179
21	Structure of Multiresponsive "Intelligent" Core-Shell Microgels. <i>Journal of the American Chemical Society</i> , 2005, 127, 9372-9373.	13.7	174
22	How Epigallocatechin Gallate Can Inhibit $\beta$ -Synuclein Oligomer Toxicity in Vitro. <i>Journal of Biological Chemistry</i> , 2014, 289, 21299-21310.	3.4	172
23	Structure of pure SDS and DTAB micelles in brine determined by small-angle neutron scattering (SANS). <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4437-4446.	2.8	168
24	A Small-Angle Neutron and X-ray Contrast Variation Scattering Study of the Structure of Block Copolymer Micelles: Corona Shape and Excluded Volume Interactions. <i>Macromolecules</i> , 2003, 36, 416-433.	4.8	168
25	Soft Interactions at Nanoparticles Alter Protein Function and Conformation in a Size Dependent Manner. <i>Nano Letters</i> , 2011, 11, 4985-4991.	9.1	157
26	Temperature-Sensitive Core-Shell Microgel Particles with Dense Shell. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1737-1741.	13.8	155
27	Mechanism of <i>Trypanosoma brucei gambiense</i> resistance to human serum. <i>Nature</i> , 2013, 501, 430-434.	27.8	150
28	Scattering from block copolymer micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2002, 7, 158-166.	7.4	147
29	Structure of eEF3 and the mechanism of transfer RNA release from the E-site. <i>Nature</i> , 2006, 443, 663-668.	27.8	147
30	A SAXS Study of Glucagon Fibrillation. <i>Journal of Molecular Biology</i> , 2009, 387, 147-161.	4.2	145
31	Aggregation and network formation of aqueous methylcellulose and hydroxypropylmethylcellulose solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 162-171.	4.7	138
32	Structure factors effects in small-angle scattering from block copolymer micelles and star polymers. <i>Journal of Chemical Physics</i> , 2001, 114, 2839-2846.	3.0	135
33	The Role of Decorated SDS Micelles in Sub-CMC Protein Denaturation and Association. <i>Journal of Molecular Biology</i> , 2009, 391, 207-226.	4.2	130
34	The structure of P85 Pluronic block copolymer micelles determined by small-angle neutron scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 213, 175-187.	4.7	129
35	SAXS investigation of a cubic to a sponge ( $L^3$ ) phase transition in self-assembled lipid nanocarriers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3073-3081.	2.8	128
36	Small-Angle Neutron Scattering (SANS) Study of Vesicles and Lamellar Sheets Formed from Mixtures of an Anionic and a Cationic Surfactant. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9888-9897.	2.6	123

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37	Influence of Shell Thickness and Cross-Link Density on the Structure of Temperature-Sensitive Poly-N-Isopropylacrylamide/Poly-N-Isopropylmethacrylamide Core/Shell Microgels Investigated by Small-Angle Neutron Scattering. <i>Langmuir</i> , 2006, 22, 459-468.	3.5	122
38	Structure of Micelles of a Nonionic Block Copolymer Determined by SANS and SAXS. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11318-11329.	2.6	122
39	Formation of Polymerlike Mixed Micelles and Vesicles in Lecithin-Bile Salt Solutions: A Small-Angle Neutron-Scattering Study. <i>The Journal of Physical Chemistry</i> , 1995, 99, 1299-1305.	2.9	121
40	Structure of and influence of a tick complement inhibitor on human complement component 5. <i>Nature Immunology</i> , 2008, 9, 753-760.	14.5	121
41	Analysis of neutron and X-ray reflectivity data. II. Constrained least-squares methods. <i>Journal of Applied Crystallography</i> , 1994, 27, 36-49.	4.5	117
42	Use of Synthetic Polymers and Biopolymers for Soil Stabilization in Agricultural, Construction, and Military Applications. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 58-66.	2.9	113
43	Assembly and structural analysis of a covalently closed nano-scale DNA cage. <i>Nucleic Acids Research</i> , 2008, 36, 1113-1119.	14.5	112
44	Structural Development of Self Nano Emulsifying Drug Delivery Systems (SNEDDS) During In Vitro Lipid Digestion Monitored by Small-angle X-ray Scattering. <i>Pharmaceutical Research</i> , 2007, 24, 1844-1853.	3.5	109
45	Small-angle neutron scattering and differential scanning calorimetry studies on the copper clustering stage of Fe <sub>1-x</sub> Si <sub>x</sub> B <sub>1-x</sub> N <sub>1-x</sub> Cu nanocrystalline alloys. <i>Acta Materialia</i> , 2000, 48, 4783-4790.	7.9	105
46	Instrumental Smearing Effects in Radially Symmetric Small-Angle Neutron Scattering by Numerical and Analytical Methods. <i>Journal of Applied Crystallography</i> , 1995, 28, 105-114.	4.5	103
47	Characterization of nanosized partly crystalline photocatalysts. <i>Journal of Nanoparticle Research</i> , 2004, 6, 519-526.	1.9	103
48	Small-Angle Neutron Scattering Study of the Growth Behavior, Flexibility, and Intermicellar Interactions of Wormlike SDS Micelles in NaBr Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 5343-5353.	3.5	102
49	Determination of size distributions in nanosized powders by TEM, XRD, and SAXS. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 355-373.	2.4	102
50	Temperature Sensitive Copolymer Microgels with Nanophase Separated Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 3093-3097.	13.7	100
51	Static structure factor of polymerlike micelles: Overall dimension, flexibility, and local properties of lecithin reverse micelles in deuterated iso-octane. <i>Physical Review E</i> , 1997, 56, 5772-5788.	2.1	98
52	Formation of Tablet-Shaped and Ribbonlike Micelles in Mixtures of an Anionic and a Cationic Surfactant. <i>Langmuir</i> , 1999, 15, 2250-2253.	3.5	98
53	Monitoring the Transition from Spherical to Polymerlike Surfactant Micelles Using Small-Angle X-ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11524-11528.	13.8	98
54	Silver Nanoparticle Formation in Microemulsions Acting Both as Template and Reducing Agent. <i>Langmuir</i> , 2005, 21, 11387-11396.	3.5	96

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55	Frustrated pyrochlore oxides, $\text{Y}_2\text{Mn}_2\text{O}_7$ , $\text{Ho}_2\text{Mn}_2\text{O}_7$ , and $\text{Yb}_2\text{Mn}_2\text{O}_7$ : Bulk magnetism and magnetic microstructure. <i>Physical Review B</i> , 1996, 54, 7189-7200.	3.2	93
56	Flexibility of Charged and Uncharged Polymer-like Micelles. <i>Langmuir</i> , 1998, 14, 6013-6024.	3.5	92
57	Micelles and gels of oxyethylene- $\alpha$ -oxybutylene diblock copolymers in aqueous solution: The effect of oxyethylene-block length. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 2773-2785.	2.8	91
58	Small-angle scattering from precipitates: Analysis by use of a polydisperse hard-sphere model. <i>Physical Review B</i> , 1993, 47, 657-665.	3.2	90
59	Time-resolved structural evolution during the collapse of responsive hydrogels: The microgel-to-particle transition. <i>Science Advances</i> , 2018, 4, eaao7086.	10.3	90
60	Multi-Shell Hollow Nanogels with Responsive Shell Permeability. <i>Scientific Reports</i> , 2016, 6, 22736.	3.3	89
61	Microstructures and magnetic properties of $\text{Co}/\text{Al}/\text{O}$ granular thin films. <i>Journal of Applied Physics</i> , 2000, 87, 817-823.	2.5	86
62	$\text{Ge}(111)$ : The atomic geometry. <i>Surface Science</i> , 1986, 178, 927-933.	1.9	85
63	Surface structure and long-range order of the $\text{Ge}(111)\text{-c}(2\times 8)$ reconstruction. <i>Physical Review B</i> , 1988, 38, 9715-9720.	3.2	85
64	Improvements and considerations for size distribution retrieval from small-angle scattering data by Monte Carlo methods. <i>Journal of Applied Crystallography</i> , 2013, 46, 365-371.	4.5	83
65	Mesoporous silica nanoparticles carrying multiple antibiotics provide enhanced synergistic effect and improved biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 498-508.	5.0	83
66	Critical Size of Crystalline $\text{ZrO}_2$ Nanoparticles Synthesized in Near- and Supercritical Water and Supercritical Isopropyl Alcohol. <i>ACS Nano</i> , 2008, 2, 1058-1068.	14.6	82
67	Analysis of neutron and X-ray reflectivity data. I. Theory. <i>Journal of Applied Crystallography</i> , 1994, 27, 29-35.	4.5	80
68	Structure and activation of C1, the complex initiating the classical pathway of the complement cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 986-991.	7.1	80
69	Anisotropic Crystal Growth Kinetics of Anatase $\text{TiO}_2$ Nanoparticles Synthesized in a Nonaqueous Medium. <i>Chemistry of Materials</i> , 2010, 22, 6044-6055.	6.7	77
70	Small-angle X-ray and neutron scattering. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	77
71	Structure of casein micelles studied by small-angle neutron scattering. <i>European Biophysics Journal</i> , 1996, 24, 143.	2.2	76
72	Contrast Variation Small-Angle Neutron Scattering Study of the Structure of Block Copolymer Micelles in a Slightly Selective Solvent at Semidilute Concentrations. <i>Macromolecules</i> , 2000, 33, 542-550.	4.8	76

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73	Adsorbate registry and subsurface relaxation of the reconstructions. <i>Surface Science</i> , 1987, 189-190, 1047-1054.	1.9	75
74	Apparent Specific Volume Measurements of Poly(ethylene oxide), Poly(butylene oxide), Poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Chemistry B, 2004, 108, 6242-6249.	2.6	74
75	Direct Observation of the Formation of Surfactant Micelles under Nonisothermal Conditions by Synchrotron SAXS. <i>Journal of the American Chemical Society</i> , 2013, 135, 7214-7222.	13.7	74
76	Supercritical Propanolâ€“Water Synthesis and Comprehensive Size Characterisation of Highly Crystalline anatase TiO <sub>2</sub> Nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2674-2680.	2.9	73
77	Small-Angle X-ray and Neutron Scattering from Bulk and Oriented Triblock Copolymer Gels. <i>Macromolecules</i> , 1995, 28, 2054-2062.	4.8	72
78	Small-Angle Neutron Scattering (SANS) Study of Aggregates Formed from Aqueous Mixtures of Sodium Dodecyl Sulfate (SDS) and Dodecyltrimethylammonium Bromide (DTAB). <i>Langmuir</i> , 1998, 14, 3754-3761.	3.5	72
79	A comparison of three different methods for analysing small-angle scattering data. <i>Journal of Applied Crystallography</i> , 1991, 24, 541-548.	4.5	70
80	Characterization of exfoliated layered double hydroxide (LDH, Mg/Al = 3) nanosheets at high concentrations in formamide. <i>Journal of Materials Chemistry</i> , 2007, 17, 965-971.	6.7	69
81	In Situ High-Energy Synchrotron Radiation Study of Solâ€“Gel Nanoparticle Formation in Supercritical Fluids. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1113-1116.	13.8	69
82	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. <i>Soft Matter</i> , 2011, 7, 10899.	2.7	69
83	Cross-Section Structure of Cylindrical and Polymer-Like Micelles from Small-Angle Scattering Data. I. Test of Analysis Methods. <i>Journal of Applied Crystallography</i> , 1996, 29, 646-661.	4.5	68
84	Potent Î±-Synuclein Aggregation Inhibitors, Identified by High-Throughput Screening, Mainly Target the Monomeric State. <i>Cell Chemical Biology</i> , 2018, 25, 1389-1402.e9.	5.2	68
85	Neutron diffraction from the vortex lattice in the heavy-fermion superconductor UPt <sub>3</sub> . <i>Physical Review Letters</i> , 1992, 69, 3120-3123.	7.8	67
86	A Small-Angle Neutron Scattering (SANS) Study of Tablet-Shaped and Ribbonlike Micelles Formed from Mixtures of an Anionic and a Cationic Surfactant. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8502-8513.	2.6	67
87	Synergistic activation of eIF4A by eIF4B and eIF4G. <i>Nucleic Acids Research</i> , 2011, 39, 2678-2689.	14.5	67
88	High Stability and Cooperative Unfolding of Î±-Synuclein Oligomers. <i>Biochemistry</i> , 2014, 53, 6252-6263.	2.5	67
89	Monte Carlo study of excluded volume effects in wormlike micelles and semiflexible polymers. <i>Physical Review E</i> , 1996, 54, R5917-R5920.	2.1	66
90	Static properties of polystyrene in semidilute solutions: A comparison of Monte Carlo simulation and small-angle neutron scattering results. <i>Europhysics Letters</i> , 1999, 45, 666-672.	2.0	65

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91	Droplet polydispersity and shape fluctuations in AOT [bis(2-ethylhexyl)sulfosuccinate sodium salt] microemulsions studied by contrast variation small-angle neutron scattering. <i>Physical Review E</i> , 2001, 63, 061406.	2.1	65
92	Form Factors of Block Copolymer Micelles with Excluded-Volume Interactions of the Corona Chains Determined by Monte Carlo Simulations. <i>Macromolecules</i> , 2002, 35, 1028-1037.	4.8	65
93	Micellar Ordering in Concentrated Solutions of Di- and Triblock Copolymers in a Slightly Selective Solvent. <i>Macromolecules</i> , 1998, 31, 1188-1196.	4.8	64
94	Kinetics of the Formation of 2D-Hexagonal Silica Nanostructured Materials by Nonionic Block Copolymer Templating in Solution. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11330-11344.	2.6	64
95	Model-independent determination of the surface scattering-length-density profile from specular reflectivity data. <i>Journal of Applied Crystallography</i> , 1992, 25, 129-145.	4.5	62
96	Structure and Dynamics of Concentrated Solutions of Asymmetric Block Copolymers in Slightly Selective Solvents. <i>Macromolecules</i> , 1996, 29, 5955-5964.	4.8	62
97	A new small-angle X-ray scattering set-up on the Crystallography beamline I711 at MAX-lab. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 498-504.	2.4	62
98	Rupturing Polymeric Micelles with Cyclodextrins. <i>Langmuir</i> , 2007, 23, 460-466.	3.5	61
99	Structural Insight into the Function of Myelin Basic Protein as a Ligand for Integrin $\alpha 5 \beta 1$ . <i>Journal of Immunology</i> , 2008, 180, 3946-3956.	0.8	61
100	Characterization of Prototype Self-Nanoemulsifying Formulations of Lipophilic Compounds. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 876-892.	3.3	60
101	A Small-Angle Neutron Scattering Study of Spherical and Wormlike Micelles Formed by Poly(oxyethylene)-Based Diblock Copolymers. <i>Langmuir</i> , 2001, 17, 6386-6388.	3.5	58
102	Cross-Section Structure of Cylindrical and Polymer-like Micelles from Small-Angle Scattering Data. 2. Experimental Results. <i>Langmuir</i> , 1996, 12, 2433-2440.	3.5	56
103	Rheological and Structural Characterization of Hydrophobically Modified Polyacrylamide Solutions in the Semidilute Regime. <i>Macromolecules</i> , 2004, 37, 1492-1501.	4.8	56
104	Effect of Polymer Charge and Geometrical Confinement on Ion Distribution and the Structuring in Semidilute Polyelectrolyte Solutions: Comparison between AFM and SAXS. <i>Macromolecules</i> , 2006, 39, 7364-7371.	4.8	56
105	Modeling in Situ Small-Angle X-ray Scattering Measurements Following the Formation of Mesostructured Silica. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7706-7713.	3.1	56
106	How Hollow Are Thermoresponsive Hollow Nanogels?. <i>Macromolecules</i> , 2014, 47, 8700-8708.	4.8	56
107	In-Situ Synchrotron Radiation Study of Formation and Growth of Crystalline $Ce_xZr_{1-x}O_2$ Nanoparticles Synthesized in Supercritical Water. <i>Chemistry of Materials</i> , 2010, 22, 1814-1820.	6.7	55
108	Structural features and adsorption behaviour of mesoporous silica particles formed from droplets generated in a spraying chamber. <i>Microporous and Mesoporous Materials</i> , 2004, 72, 175-183.	4.4	54

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109	Mixtures of n-dodecyl- $\beta$ -D-maltoside and hexaoxyethylene dodecyl ether " Surface properties, bulk properties, foam films, and foams. <i>Advances in Colloid and Interface Science</i> , 2010, 155, 5-18.	14.7	54
110	Structure and Interactions of Block Copolymer Micelles of Brij 700 Studied by Combining Small-Angle X-ray and Neutron Scattering. <i>Langmuir</i> , 2005, 21, 2137-2149.	3.5	53
111	Conformational Changes in Mannan-Binding Lectin Bound to Ligand Surfaces. <i>Journal of Immunology</i> , 2007, 178, 3016-3022.	0.8	53
112	New routes to food gels and glasses. <i>Faraday Discussions</i> , 2012, 158, 267.	3.2	52
113	Pb/Ge(111)1Å–1: An anisotropic two-dimensional liquid. <i>Physical Review B</i> , 1990, 41, 9519-9522.	3.2	51
114	Analysis of neutron and X-ray reflectivity data by constrained least-squares methods. <i>Physica B: Condensed Matter</i> , 1994, 198, 16-23.	2.7	51
115	Wormlike Micelles as "Equilibrium Polyelectrolytes" Light and Neutron Scattering Experiments. <i>Langmuir</i> , 2002, 18, 2495-2505.	3.5	51
116	A complete picture of protein unfolding and refolding in surfactants. <i>Chemical Science</i> , 2020, 11, 699-712.	7.4	51
117	Temperature-Induced Ultradense PEG Polyelectrolyte Surface Grafting Provides Effective Long-Term Bioresistance against Mammalian Cells, Serum, and Whole Blood. <i>Biomacromolecules</i> , 2012, 13, 3668-3677.	5.4	50
118	Scattering from Polymerlike Micelles of TDAO in Salt/Water Solutions at Semidilute Concentrations. <i>Langmuir</i> , 2000, 16, 6431-6437.	3.5	48
119	Structural Insights into the Initiating Complex of the Lectin Pathway of Complement Activation. <i>Structure</i> , 2015, 23, 342-351.	3.3	48
120	Magnetic phase diagram of MnSi. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 119-120.	2.3	47
121	Structure of Nanoscale Truncated Octahedral DNA Cages: Variation of Single-Stranded Linker Regions and Influence on Assembly Yields. <i>ACS Nano</i> , 2010, 4, 1367-1376.	14.6	47
122	Tailoring Membrane Nanostructure and Charge Density for High Electrokinetic Energy Conversion Efficiency. <i>ACS Nano</i> , 2016, 10, 2415-2423.	14.6	47
123	Analysis of small-angle scattering data from micelles and microemulsions: free-form approaches and model fitting. <i>Current Opinion in Colloid and Interface Science</i> , 1999, 4, 190-196.	7.4	46
124	A Small-Angle X-ray Scattering Study of Complexes Formed in Mixtures of a Cationic Polyelectrolyte and an Anionic Surfactant. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11412-11419.	2.6	46
125	Lipidoid-polymer hybrid nanoparticles loaded with TNF siRNA suppress inflammation after intra-articular administration in a murine experimental arthritis model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 38-48.	4.3	46
126	Scattering functions of semidilute solutions of polymers in a good solvent. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3081-3094.	2.1	45



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127	H3 and H4 Histone Tails Play a Central Role in the Interactions of Recombinant NCPs. <i>Biophysical Journal</i> , 2007, 92, 2633-2645.	0.5	45
128	Cooperative binding of LysM domains determines the carbohydrate affinity of a bacterial endopeptidase protein. <i>FEBS Journal</i> , 2014, 281, 1196-1208.	4.7	45
129	High Electrokinetic Energy Conversion Efficiency in Charged Nanoporous Nitrocellulose/Sulfonated Polystyrene Membranes. <i>Nano Letters</i> , 2015, 15, 1158-1165.	9.1	45
130	Wormlike Micelle Formation and Flow Alignment of a Pluronic Block Copolymer in Aqueous Solution. <i>Langmuir</i> , 2007, 23, 6896-6902.	3.5	44
131	Reducing Nitrogen Dosage in <i>Triticum durum</i> Plants with Urea-Doped Nanofertilizers. <i>Nanomaterials</i> , 2020, 10, 1043.	4.1	44
132	Cu clustering stage before the crystallization in Fe <sub>1-x</sub> Si <sub>x</sub> , Bi <sub>1-x</sub> Nb <sub>x</sub> , Cu amorphous alloys. <i>Scripta Materialia</i> , 1999, 12, 693-696.	0.5	43
133	Growth Behavior of Mixed Wormlike Micelles: A Small-Angle Scattering Study of the Lecithin~Bile Salt System. <i>Langmuir</i> , 2003, 19, 4096-4104.	3.5	43
134	Strontium and Bone Nanostructure in Normal and Ovariectomized Rats Investigated by Scanning Small-Angle X-Ray Scattering. <i>Calcified Tissue International</i> , 2010, 86, 294-306.	3.1	43
135	Crystal structure of a transfer-ribonucleoprotein particle that promotes asparagine formation. <i>EMBO Journal</i> , 2010, 29, 3118-3129.	7.8	43
136	Formation of Dynamic Soluble Surfactant-induced Amyloid $\beta^2$ Peptide Aggregation Intermediates. <i>Journal of Biological Chemistry</i> , 2013, 288, 23518-23528.	3.4	43
137	Refolding of SDS-Unfolded Proteins by Nonionic Surfactants. <i>Biophysical Journal</i> , 2017, 112, 1609-1620.	0.5	43
138	Resolution function and flux at the sample for small-angle X-ray scattering calculated in position~wavelength space. <i>Journal of Applied Crystallography</i> , 1991, 24, 893-909.	4.5	42
139	A SANS investigation on absolute scale of a homologous series of base-catalysed silica aerogels. <i>Journal of Non-Crystalline Solids</i> , 1992, 145, 128-132.	3.1	42
140	Analysis of the conformation of worm-like chains by small-angle scattering: Monte-Carlo simulations in comparison to analytical theory. <i>Macromolecular Theory and Simulations</i> , 2000, 9, 345-353.	1.4	41
141	A Small-Angle Neutron Scattering Study of Surfactant Aggregates Formed in Aqueous Mixtures of Sodium Dodecyl Sulfate and Didodecyltrimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2000, 104, 4155-4163.	2.6	41
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