

# Heinz Amenitsch

## List of Publications by Year in descending order

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445  
papers

18,253  
citations

17440

63  
h-index

22166

113  
g-index

459  
all docs

459  
docs citations

459  
times ranked

20402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals of Mesostructuring Through Evaporation-Induced Self-Assembly. <i>Advanced Functional Materials</i> , 2004, 14, 309-322.	14.9	732
2	Fibrillar Structure and Mechanical Properties of Collagen. <i>Journal of Structural Biology</i> , 1998, 122, 119-122.	2.8	539
3	Efficient water oxidation at carbon nanotube-polyoxometalate electrocatalytic interfaces. <i>Nature Chemistry</i> , 2010, 2, 826-831.	13.6	459
4	Structural information from multilamellar liposomes at full hydration: Full-q-range fitting with high quality x-ray data. <i>Physical Review E</i> , 2000, 62, 4000-4009.	2.1	440
5	Effect of polyethyleneglycol (PEG) chain length on the bio-nano-interactions between PEGylated lipid nanoparticles and biological fluids: from nanostructure to uptake in cancer cells. <i>Nanoscale</i> , 2014, 6, 2782.	5.6	433
6	Enhanced Activity of Enzymes Encapsulated in Hydrophilic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2348-2355.	13.7	351
7	Periodically ordered nanoscale islands and mesoporous films composed of nanocrystalline multimetallic oxides. <i>Nature Materials</i> , 2004, 3, 787-792.	27.5	327
8	Highly Porous TiO <sub>2</sub> Anatase Optical Thin Films with Cubic Mesostructure Stabilized at 700 °C. <i>Chemistry of Materials</i> , 2003, 15, 4562-4570.	6.7	312
9	First performance assessment of the small-angle X-ray scattering beamline at ELETTRA. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 506-508.	2.4	244
10	Two-Dimensional Hexagonal Mesoporous Silica Thin Films Prepared from Block Copolymers: A Detailed Characterization and Formation Mechanism. <i>Chemistry of Materials</i> , 2001, 13, 1848-1856.	6.7	233
11	A new method to position and functionalize metal-organic framework crystals. <i>Nature Communications</i> , 2011, 2, 237.	12.8	225
12	Quantification of ion confinement and desolvation in nanoporous carbon supercapacitors with modelling and in situ X-ray scattering. <i>Nature Energy</i> , 2017, 2, .	39.5	210
13	Enzyme Encapsulation in a Porous Hydrogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 14298-14305.	13.7	210
14	Platinum nanozymes recover cellular ROS homeostasis in an oxidative stress-mediated disease model. <i>Nanoscale</i> , 2016, 8, 3739-3752.	5.6	203
15	An in Situ Study of Mesostructured CTAB-Silica Film Formation during Dip Coating Using Time-Resolved SAXS and Interferometry Measurements. <i>Chemistry of Materials</i> , 2002, 14, 931-939.	6.7	198
16	Humidity-controlled mesostructuring in CTAB-templated silica thin film processing. The existence of a modulable steady state. <i>Journal of Materials Chemistry</i> , 2003, 13, 61-66.	6.7	193
17	Degradation of ZIF-8 in phosphate buffered saline media. <i>CrystEngComm</i> , 2019, 21, 4538-4544.	2.6	186
18	Thermally Stable Nanocrystalline <sup>13</sup> Alumina Layers with Highly Ordered 3D Mesoporosity. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4589-4592.	13.8	182

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19	Growth Kinetics of ZnO Nanocrystals: A Few Surprises. <i>Journal of the American Chemical Society</i> , 2007, 129, 4470-4475.	13.7	166
20	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019, 10, 3686.	12.8	160
21	Characteristics of mineral particles in the human bone/cartilage interface. <i>Journal of Structural Biology</i> , 2003, 141, 208-217.	2.8	153
22	Perovskite-type superlattices from lead halide perovskite nanocubes. <i>Nature</i> , 2021, 593, 535-542.	27.8	152
23	In Situ Synchrotron Small-Angle X-ray Scattering/X-ray Diffraction Study of the Formation of SBA-15 Mesoporous Silica. <i>Langmuir</i> , 2004, 20, 4885-4891.	3.5	150
24	Enhanced Cutinase-Catalyzed Hydrolysis of Polyethylene Terephthalate by Covalent Fusion to Hydrophobins. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3586-3592.	3.1	149
25	Stable Ultraconcentrated and Ultradilute Colloids of CsPbX <sub>3</sub> (X = Cl, Br) Nanocrystals Using Natural Lecithin as a Capping Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 19839-19849.	13.7	141
26	Self-assembly of large, ordered lamellae from non-bilayer lipids and integral membrane proteins in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1473-1476.	7.1	138
27	Differential Modulation of Membrane Structure and Fluctuations by Plant Sterols and Cholesterol. <i>Biophysical Journal</i> , 2008, 94, 3935-3944.	0.5	136
28	High-flux beamline for small-angle X-ray scattering at ELETTRA. <i>Review of Scientific Instruments</i> , 1995, 66, 1624-1626.	1.3	134
29	SAXS Study of the Nucleation of Glycine Crystals from a Supersaturated Solution. <i>Crystal Growth and Design</i> , 2005, 5, 523-527.	3.0	133
30	Highly Luminescent Metal-Organic Frameworks Through Quantum Dot Doping. <i>Small</i> , 2012, 8, 80-88.	10.0	132
31	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. <i>Nature Chemistry</i> , 2019, 11, 146-153.	13.6	132
32	Kinetics of Cosurfactant-Surfactant-Silicate Phase Behavior. 1. Short-Chain Alcohols. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5943-5948.	2.6	128
33	Tracking the structural arrangement of ions in carbon supercapacitor nanopores using in situ small-angle X-ray scattering. <i>Energy and Environmental Science</i> , 2015, 8, 1725-1735.	30.8	126
34	Performance and First Results of the ELETTRA High-Flux Beamline for Small-Angle X-ray Scattering. <i>Journal of Applied Crystallography</i> , 1997, 30, 872-876.	4.5	124
35	Nanocrystalline Mesoporous $\gamma$ -Alumina Powders $\alpha$ -UPMC1 Material-Gathers Thermal and Chemical Stability with High Surface Area. <i>Chemistry of Materials</i> , 2006, 18, 5238-5243.	6.7	118
36	Silica Orthorhombic Mesostructured Films with Low Refractive Index and High Thermal Stability. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10942-10948.	2.6	114

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37	Discovery of New Hexagonal Supramolecular Nanostructures Formed by Squalenoylation of an Anticancer Nucleoside Analogue. <i>Small</i> , 2008, 4, 247-253.	10.0	114
38	Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. <i>Nature Materials</i> , 2021, 20, 93-99.	27.5	112
39	Investigation of Cu <sub>2</sub> ZnSnS <sub>4</sub> Formation from Metal Salts and Thioacetamide. <i>Chemistry of Materials</i> , 2010, 22, 3399-3406.	6.7	109
40	Transfection efficiency boost of cholesterol-containing lipoplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2335-2343.	2.6	102
41	Monodisperse Iron Oxide Nanoparticles by Thermal Decomposition: Elucidating Particle Formation by Second-Resolved in Situ Small-Angle X-ray Scattering. <i>Chemistry of Materials</i> , 2017, 29, 4511-4522.	6.7	102
42	Evolution of the Protein Corona of Lipid Gene Vectors as a Function of Plasma Concentration. <i>Langmuir</i> , 2011, 27, 15048-15053.	3.5	101
43	Interaction of LL-37 with Model Membrane Systems of Different Complexity: Influence of the Lipid Matrix. <i>Biophysical Journal</i> , 2008, 94, 4688-4699.	0.5	96
44	Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Frameworks (ZIFs). <i>Small</i> , 2019, 15, e1902268.	10.0	95
45	Cationic liposome/DNA complexes: from structure to interactions with cellular membranes. <i>European Biophysics Journal</i> , 2012, 41, 815-829.	2.2	93
46	Formation of Interpenetrating Hierarchical Titania Structures by Confined Synthesis in Inverse Opal. <i>Journal of the American Chemical Society</i> , 2011, 133, 17274-17282.	13.7	90
47	Impurities in Commercial Phytantriol Significantly Alter Its Lyotropic Liquid-Crystalline Phase Behavior. <i>Langmuir</i> , 2008, 24, 6998-7003.	3.5	89
48	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. <i>Journal of the Royal Society Interface</i> , 2009, 6, S619-34.	3.4	86
49	Snapshots into carbon dots formation through a combined spectroscopic approach. <i>Nature Communications</i> , 2021, 12, 2640.	12.8	86
50	Influence of the degree of scandium supersaturation on the precipitation kinetics of rapidly solidified Al-Mg-Sc-Zr alloys. <i>Acta Materialia</i> , 2016, 117, 43-50.	7.9	85
51	Salt concentration and charging velocity determine ion charge storage mechanism in nanoporous supercapacitors. <i>Nature Communications</i> , 2018, 9, 4145.	12.8	85
52	Investigation of the Formation of CuInS <sub>2</sub> Nanoparticles by the Oleylamine Route: Comparison of Microwave-Assisted and Conventional Syntheses. <i>Inorganic Chemistry</i> , 2011, 50, 193-200.	4.0	84
53	Structural Characterization of Siliceous Spicules from Marine Sponges. <i>Biophysical Journal</i> , 2004, 86, 526-534.	0.5	79
54	Order vs. disorder—a huge increase in ionic conductivity of nanocrystalline LiAlO <sub>2</sub> embedded in an amorphous-like matrix of lithium aluminate. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20295-20306.	10.3	79

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55	Lipid composition: a key factor for the rational manipulation of the liposome protein corona by liposome design. <i>RSC Advances</i> , 2015, 5, 5967-5975.	3.6	77
56	A structurally diverse library of safe-by-design citrem-phospholipid lamellar and non-lamellar liquid crystalline nano-assemblies. <i>Journal of Controlled Release</i> , 2016, 239, 1-9.	9.9	76
57	Nanostructured Polymers Obtained from Polyethylene-block-poly(ethylene oxide) Block Copolymer in Unsaturated Polyester. <i>Macromolecules</i> , 2007, 40, 2532-2538.	4.8	75
58	Monodisperse Long-Chain Sulfobetaine-Capped CsPbBr <sub>3</sub> Nanocrystals and Their Superfluorescent Assemblies. <i>ACS Central Science</i> , 2021, 7, 135-144.	11.3	75
59	In Situ Determination of Structure and Fluctuations of Coexisting Fluid Membrane Domains. <i>Biophysical Journal</i> , 2015, 108, 854-862.	0.5	73
60	Self-Assembly and Crystallization Behavior of Mesoporous, Crystalline HfO <sub>2</sub> Thin Films: A Model System for the Generation of Mesostructured Transition-Metal Oxides. <i>Small</i> , 2005, 1, 889-898.	10.0	72
61	Time-Resolved in Situ Studies of the Formation of Cubic Mesoporous Silica Formed with Triblock Copolymers. <i>Langmuir</i> , 2004, 20, 10311-10316.	3.5	70
62	Highly Ordered Defect-Free Self-Assembled Hybrid Films with a Tetragonal Mesostructure. <i>Journal of the American Chemical Society</i> , 2005, 127, 3838-3846.	13.7	69
63	A Chemical Solution Deposition Route To Nanopatterned Inorganic Material Surfaces. <i>Chemistry of Materials</i> , 2007, 19, 3717-3725.	6.7	67
64	Multicomponent Cationic Lipid-DNA Complex Formation: Role of Lipid Mixing. <i>Langmuir</i> , 2005, 21, 11582-11587.	3.5	65
65	Differential regulation of human papillomavirus E6 by protein kinase A: conditional degradation of human discs large protein by oncogenic E6. <i>Oncogene</i> , 2000, 19, 5884-5891.	5.9	64
66	First in-situ SAXS studies of the mesostructuration of spherical silica and titania particles during spray-drying process. <i>Chemical Communications</i> , 2003, , 2798-2799.	4.1	64
67	Dynamic Control of MOF Crystal Positioning Using a Magnetic Field. <i>Advanced Materials</i> , 2011, 23, 3901-3906.	21.0	64
68	Fabrication of Advanced Functional Devices Combining Soft Chemistry with X-ray Lithography in One Step. <i>Advanced Materials</i> , 2009, 21, 4932-4936.	21.0	63
69	Two-Dimensional-Hexagonal Periodic Mesoporous Polymer Resin Thin Films by Soft Templating. <i>Chemistry of Materials</i> , 2009, 21, 5754-5762.	6.7	62
70	Global small-angle X-ray scattering data analysis for multilamellar vesicles: the evolution of the scattering density profile model. <i>Journal of Applied Crystallography</i> , 2014, 47, 173-180.	4.5	62
71	New evidence for gel-liquid crystalline phase coexistence in the ripple phase of phosphatidylcholines. <i>European Biophysics Journal</i> , 2000, 29, 125-133.	2.2	61
72	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 561-565.	2.4	61

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73	Structural, dynamic and mechanical properties of POPC at low cholesterol concentration studied in pressure/temperature space. <i>European Biophysics Journal</i> , 2003, 31, 575-585.	2.2	61
74	Nonequilibrium Effects in Self-Assembled Mesophase Materials: Unexpected Supercooling Effects for Cubosomes and Hexosomes. <i>Langmuir</i> , 2010, 26, 9000-9010.	3.5	61
75	The new high resolution ultra small-angle neutron scattering instrument at the High Flux Reactor in Grenoble. <i>Journal of Applied Crystallography</i> , 2000, 33, 851-854.	4.5	59
76	Structure and fluctuations of phosphatidylcholines in the vicinity of the main phase transition. <i>Physical Review E</i> , 2004, 70, 021908.	2.1	58
77	Observation of Local Order in Poly(di-n-alkyl itaconate)s. <i>Macromolecules</i> , 2000, 33, 4989-4991.	4.8	57
78	Hierarchical Porous Silica Films with Ultralow Refractive Index. <i>Chemistry of Materials</i> , 2009, 21, 2055-2061.	6.7	57
79	Transfection efficiency boost by designer multicomponent lipoplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2280-2292.	2.6	56
80	Free jet micromixer to study fast chemical reactions by small angle X-ray scattering. <i>Lab on A Chip</i> , 2009, 9, 2063.	6.0	56
81	Relationship between Self-Association of Glycine Molecules in Supersaturated Solutions and Solid State Outcome. <i>Physical Review Letters</i> , 2007, 99, 115702.	7.8	55
82	In Situ SAXS Study on a New Mechanism for Mesopore Formation of Ordered Mesoporous Carbons: Thermally Induced Self-Assembly. <i>Journal of the American Chemical Society</i> , 2012, 134, 11136-11145.	13.7	55
83	Continuous-Flow Synthesis of ZIF-8 Biocomposites with Tunable Particle Size. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8123-8127.	13.8	55
84	Scanning X-ray diffraction peak profile analysis in deformed Cu-polycrystals by synchrotron radiation. This work is dedicated to Professor Dr Guenther Schoeck on the occasion of his 70th birthday. <i>Acta Materialia</i> , 1999, 47, 1053-1061.	7.9	54
85	Salt-induced phase separation in the liquid crystalline phase of phosphatidylcholines. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 183-185, 171-181.	4.7	54
86	Time-Resolved Simultaneous Detection of Structural and Chemical Changes during Self-Assembly of Mesoporous Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5345-5350.	3.1	54
87	Structural Investigation of Bulk and Dispersed Inverse Lyotropic Hexagonal Liquid Crystalline Phases of Eicosapentaenoic Acid Monoglyceride. <i>Langmuir</i> , 2017, 33, 14045-14057.	3.5	54
88	Hexagonally organised mesoporous aluminium-oxide hydroxide thin films prepared by the template approach. In situ study of the structural formation. <i>Journal of Materials Chemistry</i> , 2002, 12, 557-564.	6.7	53
89	PbS-Doped Mesoporous Silica Films with High Optical Nonlinearity. <i>Chemistry of Materials</i> , 2005, 17, 4965-4970.	6.7	52
90	Effects of Pressure and Temperature on the Self-Assembled Fully Hydrated Nanostructures of Monoolein/Oil Systems. <i>Langmuir</i> , 2010, 26, 1177-1185.	3.5	52

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91	Core-Shell Structure of Monodisperse Poly(ethylene glycol)-Grafted Iron Oxide Nanoparticles Studied by Small-Angle X-ray Scattering. <i>Chemistry of Materials</i> , 2015, 27, 4763-4771.	6.7	52
92	Factors Determining the Superior Performance of Lipid/DNA/Protamine Nanoparticles over Lipoplexes. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4160-4171.	6.4	51
93	Top-down patterning of Zeolitic Imidazolate Framework composite thin films by deep X-ray lithography. <i>Chemical Communications</i> , 2012, 48, 7483.	4.1	51
94	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22951-22962.	8.0	51
95	Surfactant-Mediated Generation of Iso-Oriented Dense and Mesoporous Crystalline Metal-Oxide Layers. <i>Advanced Materials</i> , 2006, 18, 1827-1831.	21.0	50
96	Structural and Functional Insights into the DNA Replication Factor Cdc45 Reveal an Evolutionary Relationship to the DHH Family of Phosphoesterases. <i>Journal of Biological Chemistry</i> , 2012, 287, 4121-4128.	3.4	49
97	Phase transformation during cubic mesostructured silica film formation. <i>Chemical Communications</i> , 2002, , 748-749.	4.1	48
98	Mesostructured self-assembled titania films for photovoltaic applications. <i>Microporous and Mesoporous Materials</i> , 2006, 88, 304-311.	4.4	48
99	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 8150-8160.	13.7	48
100	Influence of antimicrobial peptides on the formation of nonlamellar lipid mesophases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2325-2333.	2.6	47
101	Toward the Rational Design of Lipid Gene Vectors: Shape Coupling between Lipoplex and Anionic Cellular Lipids Controls the Phase Evolution of Lipoplexes and the Efficiency of DNA Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2237-2249.	8.0	47
102	Carbohydrates@MOFs. <i>Materials Horizons</i> , 2019, 6, 969-977.	12.2	46
103	High-Throughput Asymmetric Double-Crystal Monochromator of the SAXS Beamline at ELETTRA. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 1215-1221.	2.4	45
104	Structural Stability against Disintegration by Anionic Lipids Rationalizes the Efficiency of Cationic Liposome/DNA Complexes. <i>Langmuir</i> , 2007, 23, 4498-4508.	3.5	45
105	Fabrication of Mesoporous Functionalized Arrays by Integrating Deep X-Ray Lithography with Dip-Pen Writing. <i>Advanced Materials</i> , 2008, 20, 1864-1869.	21.0	45
106	Nanocomposite mesoporous ordered films for lab-on-chip intrinsic surface enhanced Raman scattering detection. <i>Nanoscale</i> , 2011, 3, 3760.	5.6	45
107	CuInS <sub>2</sub> -Poly(3-(ethyl-4-butanoate)thiophene) nanocomposite solar cells: Preparation by an in situ formation route, performance and stability issues. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1354-1361.	6.2	45
108	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12920-12930.	8.0	45



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109	Polymer/Nanocrystal Hybrid Solar Cells: Influence of Molecular Precursor Design on Film Nanomorphology, Charge Generation and Device Performance. <i>Advanced Functional Materials</i> , 2015, 25, 409-420.	14.9	44
110	Modulation of metal-azolate frameworks for the tunable release of encapsulated glycosaminoglycans. <i>Chemical Science</i> , 2020, 11, 10835-10843.	7.4	44
111	Tailoring Lipoplex Composition to the Lipid Composition of Plasma Membrane: A Trojan Horse for Cell Entry?. <i>Langmuir</i> , 2010, 26, 13867-13873.	3.5	43
112	Position Accuracy of Gold Nanoparticles on DNA Origami Structures Studied with Small-Angle X-ray Scattering. <i>Nano Letters</i> , 2018, 18, 2609-2615.	9.1	43
113	High-pressure instrument for small- and wide-angle x-ray scattering. II. Time-resolved experiments. <i>Review of Scientific Instruments</i> , 1999, 70, 1540-1545.	1.3	42
114	Solubilization of Oil in Silicate <sup>-</sup> Surfactant Mesostuctures. <i>Langmuir</i> , 2000, 16, 5831-5836.	3.5	42
115	Non-equilibrium formation of the cubic Pn 3 m phase in a monoolein/water system. <i>Europhysics Letters</i> , 2006, 75, 267-273.	2.0	42
116	Bottom-up Approach toward Titanosilicate Mesoporous Pillared Planar Nanochannels for Nanofluidic Applications. <i>Chemistry of Materials</i> , 2010, 22, 5687-5694.	6.7	42
117	Formation and Stabilization of Mesostuctured Vanadium-Oxo-Based Hybrid Thin Films. <i>Chemistry of Materials</i> , 2002, 14, 3316-3325.	6.7	41
118	Controlled Solubilization of Toluene by Silicate <sup>-</sup> Catanionic Surfactant Mesophases as Studied by in Situ and ex Situ XRD. <i>Langmuir</i> , 2002, 18, 1380-1385.	3.5	41
119	Fat Crystallization in Emulsion: Influence of Emulsifier Concentration on Triacylglycerol Crystal Growth and Polymorphism. <i>Crystal Growth and Design</i> , 2004, 4, 1283-1293.	3.0	41
120	Enhanced Transfection Efficiency of Multicomponent Lipoplexes in the Regime of Optimal Membrane Charge Density. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11298-11304.	2.6	41
121	Structural Stability and Increase in Size Rationalize the Efficiency of Lipoplexes in Serum. <i>Langmuir</i> , 2009, 25, 3013-3021.	3.5	41
122	Small Angle X-ray Scattering Analysis of Deoxyguanosine 5 <sup>′</sup> -Monophosphate Self-Assembling in Solution: Nucleation and Growth of G-Quadruplexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7934-7944.	2.6	41
123	Existence of hybrid structures in cationic liposome/DNA complexes revealed by their interaction with plasma proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 141-146.	5.0	41
124	Magnetically responsive horseradish peroxidase@ZIF-8 for biocatalysis. <i>Chemical Communications</i> , 2020, 56, 5775-5778.	4.1	41
125	Nanocasted mesoporous nanocrystalline ZnO thin films. <i>Journal of Materials Chemistry</i> , 2010, 20, 537-542.	6.7	40
126	A carbon nanopore model to quantify structure and kinetics of ion electrosorption with in situ small-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15549-15561.	2.8	39



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127	In situ Synchrotron SAXS/XRD Study on the Formation of Ordered Mesoscopic Hybrid Materials with Crystal-Like Walls. <i>Chemistry of Materials</i> , 2004, 16, 5564-5566.	6.7	38
128	The effect of graphene on liquid-crystalline blue phases. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	38
129	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. <i>ACS Macro Letters</i> , 2015, 4, 713-716.	4.8	38
130	Investigation of bone and cartilage by synchrotron scanning-SAXS and -WAXD with micrometer spatial resolution. <i>Journal of Applied Crystallography</i> , 2000, 33, 820-823.	4.5	37
131	Kinetics of Cosurfactant~Surfactant~Silicate Phase Behavior. 2. Short-Chain Amines. <i>Langmuir</i> , 2000, 16, 8809-8813.	3.5	37
132	Direct nano-in-micropatterning of TiO <sub>2</sub> thin layers and TiO <sub>2</sub> /Pt nanoelectrode arrays by deep X-ray lithography. <i>Journal of Materials Chemistry</i> , 2011, 21, 3597.	6.7	36
133	The Role Played by Salts in the Formation of SBA-15, an in Situ Small-Angle X-ray Scattering/Diffraction Study. <i>Langmuir</i> , 2011, 27, 7121-7131.	3.5	36
134	Effects of resveratrol on the structure and fluidity of lipid bilayers: a membrane biophysical study. <i>Soft Matter</i> , 2016, 12, 2118-2126.	2.7	36
135	In situ tensile testing of human aortas by time-resolved small-angle X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 727-733.	2.4	35
136	Thermal-induced phase transitions in self-assembled mesostructured films studied by small-angle X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 734-738.	2.4	35
137	Depth profiling of marker layers using x-ray waveguide structures. <i>Physical Review B</i> , 2005, 72, .	3.2	35
138	The critical role of water in spider silk and its consequence for protein mechanics. <i>Nanoscale</i> , 2011, 3, 3805.	5.6	35
139	Stabilization of supramolecular membrane protein~lipid bilayer assemblies through immobilization in a crystalline exoskeleton. <i>Nature Communications</i> , 2021, 12, 2202.	12.8	35
140	Synthesis, characterization and optical properties of Eu <sub>2</sub> O <sub>3</sub> mesoporous thin films. <i>Nanotechnology</i> , 2007, 18, 055705.	2.6	34
141	Writing Self-Assembled Mesostructured Films with In situ Formation of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 2132-2137.	6.7	34
142	Monitoring fat crystallization in aerated food emulsions by combined DSC and time-resolved synchrotron X-ray diffraction. <i>Food Research International</i> , 2002, 35, 927-934.	6.2	33
143	Lipid mixing upon deoxyribonucleic acid-induced liposomes fusion investigated by synchrotron small-angle x-ray scattering. <i>Applied Physics Letters</i> , 2005, 87, 133901.	3.3	33
144	Interaction of a new anticancer prodrug, gemcitabine~squalene, with a model membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1522-1532.	2.6	33

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