Andrei V Petukhov

List of Publications by Year
in descending order

170	6,155	61984	85541
papers	citations	43 h-index	71 g-index

178	178	178	6794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Casein micelles and their internal structure. Advances in Colloid and Interface Science, 2012, 171-172, 36-52.	14.7	355
2	Long-range orientation and atomic attachment of nanocrystals in 2D honeycomb superlattices. Science, 2014, 344, 1377-1380.	12.6	343
3	In situ study of the formation mechanism ofÂtwo-dimensional superlattices from PbSeÂnanocrystals. Nature Materials, 2016, 15, 1248-1254.	27.5	199
4	Kinetic Control of Metalâ€“Organic Framework Crystallization Investigated by Timeâ€Resolved Inâ€…Situ Xâ€Ray Scattering. Angewandte Chemie - International Edition, 2011, 50, 9624-9628.	13.8	182
5	InÂSituImaging of Field-Induced Hexagonal Columns in Magnetite Ferrofluids. Physical Review Letters, 2006, 97, 185702.	7.8	176
6	Nonlinear optical scattering: The concept of effective susceptibility. Physical Review B, 2004, 70, .	3.2	150
7	Vibrational Sum Frequency Scattering from a Submicron Suspension. Physical Review Letters, 2003, 91, 258302.	7.8	135
8	Unraveling the Crystallization Mechanism of CoAPO-5 Molecular Sieves under Hydrothermal Conditions. Journal of the American Chemical Society, 2005, 127, 14454-14465.	13.7	128
9	Self-Assembly of Colloidal Cubes via Vertical Deposition. Langmuir, 2012, 28, 7631-7638.	3.5	125
10	Phase behavior of colloidal silica rods. Faraday Discussions, 2012, 159, 181.	3.2	124
11	Large-scale ordering of nanoparticles using viscoelastic shear processing. Nature Communications, 2016, 7, 11661.	12.8	123
12	Experimental Realization of Biaxial Liquid Crystal Phases in Colloidal Dispersions of Boardlike Particles. Physical Review Letters, 2009, 103, 258301.	7.8	107
13	Smectic Liquid-Crystalline Order in Suspensions of Highly Polydisperse Goethite Nanorods. Advanced Materials, 2006, 18, 2565-2568.	21.0	99
14	Microradian X-ray diffraction in colloidal photonic crystals. Journal of Applied Crystallography, 2006, 39, 137-144.	4.5	94
15	Magnetic-field-induced orientational order in the isotropic phase of hard colloidal platelets. Physical Review E, 2006, 73, 041402.	2.1	84
16	Dipolar structures in magnetite ferrofluids studied with small-angle neutron scattering with and without applied magnetic field. Physical Review E, 2007, 75, 051408.	2.1	76
17	Observation of solidâ€“solid transitions in 3D crystals of colloidal superballs. Nature Communications, 2017, 8, 14352.	12.8	76
18	Bragg Rods and Multiple X-Ray Scattering in Random-Stacking Colloidal Crystals. Physical Review Letters, 2003, 90, 028304.	7.8	73

#	Article	IF	Citations
19	Helical Colloidal Sphere Structures through Thermoâ€Reversible Coâ€Assembly with Molecular Microtubes. Angewandte Chemie - International Edition, 2013, 52, 3364-3368.	13.8	72
20	Semiconductor Nanorod Self-Assembly at the Liquid/Air Interface Studied by in Situ GISAXS and ex Situ TEM. Nano Letters, 2012, 12, 5515-5523.	9.1	71
21	Microporous Niobiaâ€“Silica Membrane with Very Low CO₂ Permeability. ChemSusChem, 2008, 1, 437-443.	6.8	68
22	Effect of molecular mobility on kinetics of an electrochemical Langmuir-Hinshelwood reaction. Chemical Physics Letters, 1997, 277, 539-544.	2.6	66
23	Solâ"Gel Transitions and Liquid Crystal Phase Transitions in Concentrated Aqueous Suspensions of Colloidal Gibbsite Platelets. Journal of Physical Chemistry B, 2009, 113, 11604-11613.	2.6	66
24	Giant capsids from lattice self-assembly of cyclodextrin complexes. Nature Communications, 2017, 8, 15856.	12.8	65
25	Cuboidal Supraparticles Self-Assembled from Cubic CsPbBr₃ Perovskite Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 15706-15712.	3.1	65
26	Observation of a Hexatic Columnar Liquid Crystal of Polydisperse Colloidal Disks. Physical Review Letters, 2005, 95, 077801.	7.8	62
27	Characterization of Photonic Colloidal Single Crystals by Microradian X-ray Diffraction. Advanced Materials, 2006, 18, 1662-1666.	21.0	61
28	Live encapsulation of a Keggin polyanion in NH2-MIL-101(Al) observed by in situ time resolved X-ray scattering. Chemical Communications, 2011, 47, 8578.	4.1	61
29	Coexistence of rhcp and fcc phases in hard-sphere colloidal crystals. Europhysics Letters, 2005, 72, 962-968.	2.0	59
30	Synthesis of Goethite as a Model Colloid for Mineral Liquid Crystals. Chemistry of Materials, 2007, 19, 5538-5546.	6.7	59
31	High-Resolution Small-Angle X-Ray Diffraction Study of Long-Range Order in Hard-Sphere Colloidal Crystals. Physical Review Letters, 2002, 88, 208301.	7.8	57
32	Fabrication of Artificial Opals by Electric-Field-Assisted Vertical Deposition. Langmuir, 2010, 26, 2346-2351.	3.5	56
33	Small-angle X-ray scattering documents the growth of metal-organic frameworks. Catalysis Today, 2013, 205, 120-127.	4.4	56
34	Structural transitions of hard-sphere colloids studied by spin-echo small-angle neutron scattering. Journal of Applied Crystallography, 2003, 36, 1417-1423.	4.5	55
35	Self-assembly of colloidal hematite cubes: a microradian X-ray diffraction exploration of sedimentary crystals. Soft Matter, 2013, 9, 10729.	2.7	55
36	Double Stacking Faults in Convectively Assembled Crystals of Colloidal Spheres. Langmuir, 2009, 25, 10408-10412.	3.5	54

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37	Crystallization of Nanocrystals in Spherical Confinement Probed by in Situ X-ray Scattering. Nano Letters, 2018, 18, 3675-3681.	9.1	53
38	Self-organization in dipolar cube fluids constrained by competing anisotropies. Soft Matter, 2018, 14, 1080-1087.	2.7	52
39	Theory of nonlinear magneto-optical imaging of magnetic domains and domain walls. Physical Review B, 1997, 56, 2680-2687.	3.2	51
40	The Kinetics and Mechanism of Long-Range Pore Ordering in Anodic Films on Aluminum. Journal of Physical Chemistry C, 2011, 115, 23726-23731.	3.1	50
41	Evidence of the hexagonal columnar liquid-crystal phase of hard colloidal platelets by high-resolution SAXS. European Physical Journal E, 2005, 16, 253-258.	1.6	49
42	Colloidal Crystallization and Structural Changes in Suspensions of Silica/Magnetite Coreâ€“Shell Nanoparticles. Langmuir, 2012, 28, 14777-14783.	3.5	46
43	Particle shape effects in colloidal crystals and colloidal liquid crystals: Small-angle X-ray scattering studies with microradian resolution. Current Opinion in Colloid and Interface Science, 2015, 20, 272-281.	7.4	43
44	Uniaxial and biaxial liquid crystal phases in colloidal dispersions of board-like particles. Liquid Crystals, 2010, 37, 641-651.	2.2	41
45	Small-angle neutron and X-ray scattering of dispersions of oleic-acid-coated magnetic iron particles. Journal of Applied Crystallography, 2004, 37, 847-856.	4.5	40
46	Contributions of Short-Range and Classical Electromagnetic Mechanisms to Surface-Enhanced Raman Scattering from Several Types of Biomolecules Adsorbed on Cold-Deposited Island Films. Applied Spectroscopy, 1993, 47, 515-522.	2.2	39
47	Tuning the Colloidal Crystal Structure of Magnetic Particles by External Field. Angewandte Chemie - International Edition, 2015, 54, 1803-1807.	13.8	39
48	Influence of polydispersity on the phase behavior of colloidal goethite. Journal of Chemical Physics, 2008, 129, 164715.	3.0	38
49	In situ hard X-ray microscopy of self-assembly in colloidal suspensions. RSC Advances, 2013, 3, 15670.	3.6	38
50	Effects of Added Silica Nanoparticles on the Nematic Liquid Crystal Phase Formation in Beidellite Suspensions. Journal of Physical Chemistry B, 2014, 118, 4913-4919.	2.6	38
51	Phase-sensitive detection technique for surface nonlinear optics. Physical Review B, 1998, 58, R16020-R16023.	3.2	37
52	Polymer Polydispersity Effect on Depletion Interaction between Colloidal Particles. Macromolecular Theory and Simulations, 2002, 11, 975-984.	1.4	37
53	Structures and Phase Behavior in Mixtures of Charged Colloidal Spheres and Platelets. Langmuir, 2010, 26, 13614-13621.	3.5	36
54	Extended Nucleation and Superfocusing in Colloidal Semiconductor Nanocrystal Synthesis. Nano Letters, 2021, 21, 2487-2496.	9.1	36

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55	Surface anisotropy in optical second harmonic generation. I. Al(111). Surface Science, 1995, 334, 195-208.	1.9	34
56	Phase behaviour of lyotropic liquid crystals in external fields and confinement. European Physical Journal: Special Topics, 2013, 222, 3053-3069.	2.6	34
57	Growth of Porous Anodic Alumina on Low-Index Surfaces of Al Single Crystals. Journal of Physical Chemistry C, 2017, 121, 27511-27520.	3.1	34
58	In-Plane Stacking Disorder in Polydisperse Hard Sphere Crystals. Langmuir, 2007, 23, 3554-3560.	3.5	33
59	Long-range ordering in anodic alumina films: a microradian X-ray diffraction study. Journal of Applied Crystallography, 2010, 43, 531-538.	4.5	33
60	Oleic Acid-Induced Atomic Alignment of ZnS Polyhedral Nanocrystals. Nano Letters, 2016, 16, 2608-2614.	9.1	33
61	Entropic patchiness: Effects of colloid shape and depletion. Current Opinion in Colloid and Interface Science, 2017, 30, 54-61.	7.4	33
62	Coherent x-ray imaging of defects in colloidal crystals. Physical Review B, 2010, 81, .	3.2	31
63	Sum-frequency generation on isotropic surfaces: General phenomenology and microscopic theory for jellium surfaces. Physical Review B, 1995, 52, 16901-16911.	3.2	29
64	Three-Dimensional Structure and Defects in Colloidal Photonic Crystals Revealed by Tomographic Scanning Transmission X-ray Microscopy. Langmuir, 2012, 28, 3614-3620.	3.5	29
65	Revealing Three-Dimensional Structure of an Individual Colloidal Crystal Grain by Coherent X-Ray Diffractive Imaging. Physical Review Letters, 2016, 117, 138002.	7.8	29
66	In Situ Probing of Stack-Templated Growth of Ultrathin Cu_{2â€“x}S Nanosheets. Chemistry of Materials, 2016, 28, 6381-6389.	6.7	29
67	Monitoring the coordination of aluminium during microporous oxide crystallisation by in situ soft X-ray absorption spectroscopy. Chemical Communications, 2006, , 4410.	4.1	28
68	Structure and Growth of Polymeric Niobia-Silica Mixed-Oxide Sols for Microporous Molecular Sieving Membranes: A SAXS Study. Chemistry of Materials, 2009, 21, 1822-1828.	6.7	28
69	Lyotropic Hexagonal Columnar Liquid Crystals of Large Colloidal Gibbsite Platelets. Langmuir, 2010, 26, 14182-14187.	3.5	28
70	Fast Formation of Opal-like Columnar Colloidal Crystals. Langmuir, 2007, 23, 11343-11346.	3.5	27
71	Structural Evolution of Colloidal Crystal Films in the Process of Melting Revealed by Bragg Peak Analysis. Langmuir, 2015, 31, 5274-5283.	3.5	27
72	Nanoassembly of Polydisperse Photonic Crystals Based on Binary and Ternary Polymer Opal Alloys. Advanced Optical Materials, 2016, 4, 1494-1500.	7.3	27

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73	Onsager Revisited: Magnetic Field Induced Nematicâ"Nematic Phase Separation in Dispersions of Goethite Nanorods. Journal of Physical Chemistry Letters, 2010, 1, 2174-2178.	4.6	26
74	Sedimentation and depletion attraction directing glass and liquid crystal formation in aqueous platelet/sphere mixtures. Soft Matter, 2012, 8, 191-197.	2.7	26
75	Isotropic and anisotropic bulk contributions to second-harmonic generation from simple metals. Surface Science, 1993, 294, 381-402.	1.9	25
76	Structural and magnetic properties of inverse opal photonic crystals studied by x-ray diffraction, scanning electron microscopy, and small-angle neutron scattering. Physical Review B, 2009, 79, .	3.2	24
77	Nanostructures: Scattering beyond the Born approximation. Physical Review B, 2010, 81, .	3.2	22
78	Tuning biaxiality of nematic phases of board-like colloids by an external magnetic field. Soft Matter, 2014, 10, 446-456.	2.7	22
79	Self-Assembled CdSe/CdS Nanorod Sheets Studied in the Bulk Suspension by Magnetic Alignment. ACS Nano, 2014, 8, 10486-10495.	14.6	22
80	Destruction of long-range order recorded within situsmall-angle x-ray diffraction in drying colloidal crystals. Physical Review E, 2004, 69, 031405.	2.1	21
81	Magnetic topology of Co-based inverse opal-like structures. Physical Review B, 2011, 84, .	3.2	21
82	Scanning Transmission Xâ€Ray Microscopy as a Novel Tool to Probe Colloidal and Photonic Crystals. Small, 2011, 7, 804-811.	10.0	21
83	Reconfigurable assembly of superparamagnetic colloids confined in thermo-reversible microtubes. Soft Matter, 2015, 11, 6201-6211.	2.7	21
84	Crystallography-Induced Correlations in Pore Ordering of Anodic Alumina Films. Journal of Physical Chemistry C, 2016, 120, 19698-19704.	3.1	21
85	In situ observation of self-assembly of sugars and surfactants from nanometres to microns. Soft Matter, 2017, 13, 2421-2425.	2.7	21
86	Inward growth by nucleation: Multiscale self-assembly of ordered membranes. Science Advances, 2018, 4, eaat1817.	10.3	21
87	Electromagnetic mechanism of surface enhanced second harmonic generation by â€œsmoothâ€•silver electrodes and scanning tunneling microscopy. Solid State Communications, 1990, 76, 55-59.	1.9	20
88	Energy Conservation and the Manley-Rowe Relations in Surface Nonlinear-Optical Spectroscopy. Physical Review Letters, 1998, 81, 566-569.	7.8	20
89	(Meta)stable reconstructions of the diamond (111) surface: Interplay between diamond and graphitelike bonding. Physical Review B, 2000, 61, R10590-R10593.	3.2	20
90	Determination of the real structure of artificial and natural opals on the basis of three-dimensional reconstructions of reciprocal space. JETP Letters, 2009, 90, 272-277.	1.4	20

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91	Experimental Observation of Fractionated Crystallization in Polydisperse Platelike Colloids. Langmuir, 2010, 26, 6898-6901.	3.5	20
92	Attractive glass formation in aqueous mixtures of colloidal gibbsite platelets and silica spheres. Soft Matter, 2011, 7, 2832.	2.7	20
93	Diffuse scattering in random-stacking hexagonal close-packed crystals of colloidal hard spheres. Phase Transitions, 2010, 83, 107-114.	1.3	19
94	Unravelling three-dimensional adsorption geometries of PbSe nanocrystal monolayers at a liquid-air interface. Communications Chemistry, 2020, 3, .	4.5	19
95	Source of a strong anisotropy of quadrupole-allowed second-order nonlinear polarizability of the noble-metal surfaces. Physical Review B, 1990, 42, 9387-9390.	3.2	18
96	Theory of second harmonic generation from metal surfaces: frequency dependence and penetration depth of surface anisotropy of Al(111). Surface Science, 1994, 320, L51-L56.	1.9	18
97	Reconstructions of Diamond (100) and (111) Surfaces: Accuracy of the Brenner Potential. Physica Status Solidi A, 2000, 181, 109-114.	1.7	18
98	Size-Dependent Second Virial Coefficients of Quantum Dots from Quantitative Cryogenic Electron Microscopy. Journal of Physical Chemistry B, 2014, 118, 11000-11005.	2.6	18
99	Convectively Assembled Monolayers of Colloidal Cubes: Evidence of Optimal Packings. Langmuir, 2019, 35, 4946-4955.	3.5	18
100	Structure of the repulsive gel/glass in suspensions of charged colloidal platelets. Journal of Physics Condensed Matter, 2008, 20, 494201.	1.8	17
101	On the origin of surface second harmonic anisotropy on Ag(111) at low frequencies. Surface Science, 1996, 347, 143-150.	1.9	16
102	Variable Dislocation Widths in Colloidal Crystals of Soft Thermosensitive Spheres. Physical Review Letters, 2011, 107, 095501.	7.8	16
103	Surface anisotropy in optical second harmonic generation II. Embedding approach to Al(111) and vicinal Al(001) surfaces. Surface Science, 1995, 340, 1-15.	1.9	15
104	Diffraction based Hanbury Brown and Twiss interferometry at a hard x-ray free-electron laser. Scientific Reports, 2018, 8, 2219.	3.3	15
105	Synthesis and characterization of {Mo72Fe30}-coated large hexagonal gibbsite Î³-Al(OH)3 platelets. Dalton Transactions, 2008, , 2861.	3.3	14
106	Slanted stacking faults and persistent face centered cubic crystal growth in sedimentary colloidal hard sphere crystals. CrystEngComm, 2010, 12, 3820.	2.6	14
107	Strong Surface State Effects in Nonlinear Magneto-optical Response of Ni(110). Physical Review Letters, 2000, 84, 2002-2005.	7.8	13
108	Ultrasmall-angle X-ray scattering analysis of photonic crystal structure. Journal of Experimental and Theoretical Physics, 2009, 109, 29-34.	0.9	13

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109	Revealing stacking sequences in inverse opals by microradian X-ray diffraction. Europhysics Letters, 2010, 89, 14002.	2.0	13
110	Double hexagonal close-packed structure revealed in a single colloidal crystal grain by Bragg rod analysis. Journal of Applied Crystallography, 2014, 47, 1199-1204.	4.5	13
111	Domain and domain wall contributions to optical second harmonic generation in thin magnetic films. Journal of Applied Physics, 1997, 81, 5668-5670.	2.5	11
112	Second-type disorder in colloidal crystals. Europhysics Letters, 2007, 77, 58003.	2.0	11
113	Simple Rectangular Columnar Phase of Goethite Nanorods and Its Martensitic Transition to the Centered Rectangular Columnar Phase. Langmuir, 2010, 26, 1579-1582.	3.5	11
114	Selfâ€Organization of Anisotropic and Binary Colloids in Thermoâ€Switchable 1D Microconfinement. Particle and Particle Systems Characterization, 2015, 32, 313-320.	2.3	11
115	Study of petrolatum structure: Explaining its variable rheological behavior. International Journal of Pharmaceutics, 2018, 540, 178-184.	5.2	11
116	Ptychographic Xâ€Ray Imaging of Colloidal Crystals. Small, 2018, 14, 1702575.	10.0	11
117	Scattering from colloidal cubic silica shells: Part I, particle form factors and optical contrast variation. Journal of Colloid and Interface Science, 2020, 571, 419-428.	9.4	11
118	Path-Dependent Self-Assembly of Magnetic Anisotropic Colloidal Peanuts. Journal of Physical Chemistry B, 2020, 124, 5754-5760.	2.6	11
119	Periodic order and defects in Ni-based inverse opal-like crystals on the mesoscopic and atomic scale. Physical Review B, 2014, 90, .	3.2	10
120	Wet-Chemical Synthesis of Chiral Colloids. ACS Nano, 2018, 12, 12089-12095.	14.6	10
121	Shape Matters in Magnetic-Field-Assisted Assembly of Prolate Colloids. ACS Nano, 2022, 16, 2558-2568.	14.6	10
122	Experimental evidence of the origin of rotational anisotropy in second harmonic generation from vicinal Al surfaces. Surface Science, 1996, 369, 265-276.	1.9	9
123	Anisotropic third-order magneto-optical Kerr effect. Journal of Applied Physics, 1998, 83, 6742-6744.	2.5	9
124	Surface-induced transverse magneto-optical Kerr effect. Physical Review B, 1999, 59, 4211-4214.	3.2	9
125	Extended Structure Design with Simple Molybdenum Oxide Building Blocks and Urea As a Directing Agent. Inorganic Chemistry, 2008, 47, 6863-6866.	4.0	9
126	Behavior of the smectic A phase of colloidal goethite in a magnetic field. Soft Matter, 2010, 6, 4895.	2.7	9

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127	Defect Engineering in Sedimentary Colloidal Photonic Crystals. Langmuir, 2013, 29, 10011-10018.	3.5	9
128	Structure and stacking order in crystals of asymmetric dumbbell-like colloids. Journal of Applied Crystallography, 2015, 48, 238-243.	4.5	9
129	In Situ Optical and X-ray Spectroscopy Reveals Evolution toward Mature CdSe Nanoplatelets by Synergetic Action of Myristate and Acetate Ligands. Journal of the American Chemical Society, 2022, 144, 8096-8105.	13.7	9
130	Reconstruction of Diamond (001) Surface: A Monte Carlo Study with the Tersoff Potential. Physica Status Solidi A, 1999, 174, 19-23.	1.7	8
131	Confocal microscopy of geometrically frustrated hard sphere crystals. EPJ Applied Physics, 2008, 44, 21-28.	0.7	7
132	Devitrification of the glassy state in suspensions of charged platelets. Journal of Physics Condensed Matter, 2009, 21, 474218.	1.8	7
133	Grain size effects on lateral islands in hard-sphere crystals. Europhysics Letters, 2007, 79, 56001.	2.0	6
134	Chromium-modified goethite in an external magnetic field. Journal of Physics Condensed Matter, 2008, 20, 404219.	1.8	6
135	Liquid crystal phase behavior of sterically-stabilized goethite. Journal of Colloid and Interface Science, 2010, 352, 354-358.	9.4	6
136	Ageing in a system of polydisperse goethite boardlike particles showing rich phase behaviour. Journal of Physics Condensed Matter, 2012, 24, 464127.	1.8	6
137	Dynamics of colloidal crystals studied by pump-probe experiments at FLASH. Physical Review B, 2012, 86, .	3.2	6
138	High-resolution SAXS setup with tuneable resolution in direct and reciprocal space: a new tool to study ordered nanostructures. Journal of Applied Crystallography, 2019, 52, 1095-1103.	4.5	6
139	Self-assembly of colloidal superballs under spherical confinement of a drying droplet. Jcis Open, 2022, 5, 100037.	3.2	6
140	Characterization of hen phosvitin in aqueous salt solutions: Size, structure, and aggregation. Food Hydrocolloids, 2022, 129, 107545.	10.7	6
141	Growth and magnetic properties of Fe films on vicinal to (001) substrates. Journal of Applied Physics, 2000, 87, 6092-6094.	2.5	5
142	In situX-ray crystallographic study of the structural evolution of colloidal crystals upon heating. Journal of Applied Crystallography, 2013, 46, 903-907.	4.5	5
143	Quantification of the Structure of Colloidal Gasâ€“Liquid Interfaces. Journal of Physical Chemistry Letters, 2020, 11, 8372-8377.	4.6	4
144	A simple model for dynamic small-angle X-ray diffraction in colloidal crystals. Journal of Applied Crystallography, 2007, 40, 144-150.	4.5	3

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145	Monte Carlo simulations of in-plane stacking disorder in hard-sphere crystals. Physical Review E, 2008, 77, 010401.	2.1	3
146	Analysis of the imperfection of opal-like photonic crystals synthesized on conducting substrates. Physics of the Solid State, 2010, 52, 1087-1091.	0.6	3
147	Small-angle X-ray diffraction investigation of twinned opal-like structures. Physics of the Solid State, 2012, 54, 2073-2082.	0.6	3
148	SAXS reveals the magnetic alignment pathway of the goethite columnar liquid crystal phase. Journal of Colloid and Interface Science, 2014, 428, 316-320.	9.4	3
149	Femtosecond laser produced periodic plasma in a colloidal crystal probed by XFEL radiation. Scientific Reports, 2020, 10, 10780.	3.3	3
150	The Analysis of Periodic Order in Monolayers of Colloidal Superballs. Applied Sciences (Switzerland), 2021, 11, 5117.	2.5	3
151	Magnetic dipolium model of magnetization-induced surface second harmonic generation. IEEE Transactions on Magnetics, 1998, 34, 1048-1050.	2.1	2
152	Structure of hard-sphere colloid observed in real space by spin-echo small-angle neutron scattering. Physica B: Condensed Matter, 2005, 357, 452-455.	2.7	2
153	3D structure of nematic and columnar phases of hard colloidal platelets. Journal of Physics Condensed Matter, 2011, 23, 194110.	1.8	2
154	Block copolymer hierarchical structures from the interplay of multiple assembly pathways. Polymer Chemistry, 2020, 11, 2305-2311.	3.9	2
155	Angular X-ray cross-correlation analysis applied to the scattering data in 3D reciprocal space from a single crystal. IUCrJ, 2022, 9, 425-438.	2.2	2
156	Second optical harmonic generation in the vicinity of insulator-to-metal transition in polyaniline film. Synthetic Metals, 1993, 54, 327-330.	3.9	1
157	A Model for Second Harmonic Generation from Magnetized Surfaces. Physica Status Solidi A, 1998, 170, 227-233.	1.7	1
158	Depletion-induced colloidal crystals at a wall characterised by small-angle X-ray diffraction. Journal of Applied Crystallography, 2003, 36, 597-601.	4.5	1
159	Unravelling the structural rearrangement of polymer colloidal crystals under dry sintering conditions. Soft Matter, 2018, 14, 6849-6856.	2.7	1
160	Forced to line up for perfect order. Nature Materials, 2019, 18, 1151-1152.	27.5	1
161	Depletion-Induced Chiral Chain Formation of Magnetic Spheres. Materials, 2021, 14, 507.	2.9	1
162	Light and Small-Angle X-Ray Diffraction from Opal-Like Structures. Series in Optics and Optoelectronics, 2012, , 275-300.	0.0	1

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163	Energy Exchange in Second-Order Nonlinear Optics in Centrosymmetric Media. Physica Status Solidi A, 1998, 170, 417-422.	1.7	0
164	Strong self- and cross-phase modulation effects in chromium-doped KTiOPO4 crystals. Journal of Applied Physics, 2001, 90, 1698-1702.	2.5	0
165	Colloidal suspensions. Journal of Physics Condensed Matter, 2011, 23, 190201.	1.8	0
166	Self-Assembly: Self-Organization of Anisotropic and Binary Colloids in Thermo-Switchable 1D Microconfinement (Part. Part. Syst. Charact. 3/2015). Particle and Particle Systems Characterization, 2015, 32, 270-270.	2.3	0
167	In situX-ray crystallography of colloidal crystals under sintering conditions. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s350-s351.	0.1	0
168	Disorder and diffuse X-ray scattering in colloidal and photonic crystals. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s59-s59.	0.3	0
169	Defect engineering in colloidal photonic crystals. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s242-s242.	0.3	0
170	Quantification of the Structure of Colloidal Gas-Liquid Interfaces. Journal of Physical Chemistry Letters, 2020, 11, 8372-8377.	4.6	0