

# Dmitry Chernyshov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1311591/publications.pdf>

Version: 2024-02-01

301  
papers

7,190  
citations

61857

43  
h-index

74018

75  
g-index

322  
all docs

322  
docs citations

322  
times ranked

9160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal unequilibrium of strained black CsPbI <sub>3</sub> thin films. <i>Science</i> , 2019, 365, 679-684.	6.0	444
2	A new multipurpose diffractometer PILATUS@SNBL. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 825-829.	1.0	273
3	Ordering Phenomena and Phase Transitions in a Spin-Crossover Compound—Uncovering the Nature of the Intermediate Phase of [Fe(2-pic)3]Cl2·EtOH. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3825-3830.	7.2	253
4	The origin of antiferroelectricity in PbZrO <sub>3</sub> . <i>Nature Communications</i> , 2013, 4, 2229.	5.8	251
5	Hidden diversity of vacancy networks in Prussian blue analogues. <i>Nature</i> , 2020, 578, 256-260.	13.7	190
6	Lithium Diffusion Pathway in Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> (LATP) Superionic Conductor. <i>Inorganic Chemistry</i> , 2016, 55, 2941-2945.	1.9	188
7	Porous and Dense Magnesium Borohydride Frameworks: Synthesis, Stability, and Reversible Absorption of Guest Species. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11162-11166.	7.2	175
8	Challenges in Engineering Spin Crossover: Structures and Magnetic Properties of Six Alcohol Solvates of Iron(II) Tris(2-picolylamine) Dichloride. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4589-4594.	7.2	167
9	Lightest Borohydride Probed by Synchrotron X-ray Diffraction: Experiment Calls for a New Theoretical Revision. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10579-10584.	1.5	150
10	Superhard Semiconducting Optically Transparent High Pressure Phase of Boron. <i>Physical Review Letters</i> , 2009, 102, 185501.	2.9	139
11	A Polymorph Lost and Found: The High-Temperature Crystal Structure of Pentacene. <i>Advanced Materials</i> , 2007, 19, 2079-2082.	11.1	128
12	Crystal Handedness and Spin Helix Chirality in $\text{Fe}_x\text{Mn}_{1-x}\text{B}_2$ . <i>Physical Review Letters</i> , 2009, 102, 037204.	2.9	115
13	Chiral Properties of Structure and Magnetism in $\text{Mn}_x\text{Fe}_{1-x}\text{B}_2$ . <i>Physical Review Letters</i> , 2012, 109, 207201.	2.9	111
14	High-Pressure Polymorphism as a Step towards Destabilization of LiBH <sub>4</sub> . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 529-532.	7.2	106
15	Optically switched magnetism in photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> (Mn:Pb)I <sub>3</sub> . <i>Nature Communications</i> , 2016, 7, 13406.	5.8	106
16	Light metal borohydrides: crystal structures and beyond. <i>Zeitschrift für Kristallographie</i> , 2008, 223, .	1.1	100
17	Universal Oxide Shell Growth Enables in Situ Structural Studies of Perovskite Nanocrystals during the Anion Exchange Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 8254-8263.	6.6	92
18	Metal-organic magnets with large coercivity and ordering temperatures up to 242 ÅC. <i>Science</i> , 2020, 370, 587-592.	6.0	91

#	ARTICLE	IF	CITATIONS
19	Energy superstructure and possible room-temperature antiferromagnetic order in superconducting Cs $\gamma$ . <i>Nature Physics</i> , 2017, 13, 157-161.	1.1	88
20	Spiral spin-liquid and the emergence of a vortex-like state in MnSc <sub>2</sub> S <sub>4</sub> . <i>Nature Physics</i> , 2017, 13, 157-161.	6.5	88
21	Enhancing Na <sup>+</sup> Extraction Limit through High Voltage Activation of the NASICON-Type Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> Cathode. <i>ACS Applied Energy Materials</i> , 2018, 1, 5842-5846.	2.5	87
22	Structure and interstitial iodide migration in hybrid perovskite methylammonium lead iodide. <i>Nature Communications</i> , 2017, 8, 15152.	5.8	83
23	Interplay of Spin Conversion and Structural Phase Transformations: Re-Entrant Phase Transitions in the 2-Propanol Solvate of Tris(2-picolyamine)iron(II) Dichloride. <i>Chemistry - A European Journal</i> , 2006, 12, 6207-6215.	1.7	79
24	Synthesis of an orthorhombic high pressure boron phase. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 044209.	2.8	78
25	Diffuse scattering in relaxor ferroelectrics: true three-dimensional mapping, experimental artefacts and modelling. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, 117-123.	0.3	74
26	Giant Kohn Anomaly and the Phase Transition in Charge Density Wave ZrTe <sub>3</sub> . <i>Physical Review Letters</i> , 2009, 102, 086402.	2.9	71
27	Nuclear Magnetic Resonance Study of the Rotational Motion and the Phase Transition in LiBH <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2008, 112, 18701-18705.	1.5	68
28	Interplay between crystalline chirality and magnetic structure in Mn <sub>2</sub> As. <i>Physical Review B</i> , 2010, 81, .	1.1	67
29	Thermal decomposition of AlH <sub>3</sub> studied by in situ synchrotron X-ray diffraction and thermal desorption spectroscopy. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 280-289.	2.8	66
30	Landau theory for spin transition and ordering phenomena in Fe(II) compounds. <i>Physical Review B</i> , 2004, 70, .	1.1	63
31	High-pressure phase of NaBH <sub>4</sub> : Crystal structure from synchrotron powder diffraction data. <i>Physical Review B</i> , 2007, 76, .	1.1	62
32	A disorder-enhanced quasi-one-dimensional superconductor. <i>Nature Communications</i> , 2016, 7, 12262.	5.8	62
33	High-pressure phase and transition phenomena in ammonia borane NH <sub>3</sub> BH <sub>3</sub> . X-ray diffraction, Landau theory, and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2009, 79, .	1.1	59
34	Fabrication of Artificial Opals by Electric-Field-Assisted Vertical Deposition. <i>Langmuir</i> , 2010, 26, 2346-2351.	1.6	56
35	Charge-ordering transition in iron oxide Fe <sub>4</sub> O <sub>5</sub> involving competing dimer and trimer formation. <i>Nature Chemistry</i> , 2016, 8, 501-508.	6.6	54
36	Crystalline, Mixed-Valence Manganese Analogue of Prussian Blue: $\delta$ -Mn <sub>2</sub> (OH) <sub>2</sub> (H <sub>2</sub> O) <sub>8</sub> Cl <sub>2</sub> . Magnetic, Spectroscopic, X-ray and Neutron Diffraction Studies. <i>Journal of the American Chemical Society</i> , 2004, 126, 16472-16477.	6.6	53

#	ARTICLE	IF	CITATIONS
37	Apatite Formation from Amorphous Calcium Phosphate and Mixed Amorphous Calcium Phosphate/Amorphous Calcium Carbonate. Chemistry - A European Journal, 2016, 22, 12347-12357.	1.7	51
38	Molecularly Smooth Single-Crystalline Films of Thiophene-Phenylene Co-Oligomers Grown at the Gas-Liquid Interface. Crystal Growth and Design, 2014, 14, 1726-1737.	1.4	49
39	Pressure-temperature phase diagram of $\text{LiB}_4\text{H}_4$ : Synchrotron x-ray diffraction experiments and theoretical analysis. Physical Review B, 2008, 77, .	1.1	48
40	Electrochemical properties and evolution of the phase transformation behavior in the NASICON-type $\text{Na}_3+x\text{Mn}_x\text{V}_{2-x}(\text{PO}_4)_3$ ( $0 \leq x \leq 1$ ) cathodes for Na-ion batteries. Journal of Power Sources, 2020, 470, 228231.	4.0	48
41	Electron-Deficient and Polycenter Bonds in the High-Pressure $\text{B}^3$ Phase of Boron. Physical Review Letters, 2011, 106, 215502.	2.9	46
42	Chiral open-framework uranyl molybdates. 3. Synthesis, structure and the C2221'P212121 low-temperature phase transition of $[\text{C}_6\text{H}_{16}\text{N}]_2[(\text{UO}_2)_6(\text{MoO}_4)_7(\text{H}_2\text{O})_2](\text{H}_2\text{O})_2$ . Microporous and Mesoporous Materials, 2005, 78, 225-234.	2.2	43
43	The synthesis, and crystal and magnetic structure of the iron selenide $\text{BaFe}_2\text{Se}_3$ with possible superconductivity at $T_c = 11$ K. Journal of Physics Condensed Matter, 2011, 23, 402201.	0.7	43
44	Structural Heterogeneity and Diffuse Scattering in Morphotropic Lead Zirconate-Titanate Single Crystals. Physical Review Letters, 2012, 109, 097603.	2.9	43
45	Lattice anharmonicity and structural evolution of $\text{LiBH}_4$ : an insight from Raman and X-ray diffraction experiments. Phase Transitions, 2009, 82, 344-355.	0.6	42
46	Kinematic diffraction on a structure with periodically varying scattering function. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, 327-335.	0.3	42
47	Controlling the Dzyaloshinskii-Moriya interaction to alter the chiral link between structure and magnetism for $\text{FeCoSi}$ . Physical Review B, 2015, 91, .	1.1	40
48	Lattice dynamics and antiferroelectricity in $\text{PbZrO}_3$ by x-ray and Brillouin light scattering. Physical Review B, 2014, 90, .	1.1	39
49	Structural disorder versus chiral magnetism in $\text{Cr}_1/3\text{NbS}_2$ . Physical Review B, 2015, 91, .	1.1	39
50	Coupling between spin conversion and solvent disorder in spin crossover solids. Physical Review B, 2007, 76, .	1.1	38
51	$\text{CH}_3\text{NH}_3\text{PbI}_3$ : precise structural consequences of water absorption at ambient conditions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 716-722.	0.5	37
52	Crystal structure and magnetic properties of the unique Jahn-Teller system $154\text{Sm}0.6\text{Sr}0.4\text{MnO}_3$ . Physical Review B, 2001, 64, .	1.1	36
53	Short-Range Correlations in Magnetite above the Verwey Temperature. Physical Review X, 2014, 4, .	2.8	36
54	Smart Energetic Nanosized Co-Crystals: Exploring Fast Structure Formation and Decomposition. Crystal Growth and Design, 2016, 16, 432-439.	1.4	34

#	ARTICLE	IF	CITATIONS
55	Control of chirality of transition-metal monosilicides by the Czochralski method. Physical Review B, 2011, 84, .	1.1	33
56	Crystal structure and phonon softening in $\text{CaMn}_2\text{P}_2\text{O}_{14}$ . Physical Review B, 2015, 92, .	1.1	33
57	Trojans That Flip the Black Phase: Impurity-Driven Stabilization and Spontaneous Strain Suppression in $\text{A}_3\text{CsPbI}_3$ Perovskite. Journal of the American Chemical Society, 2021, 143, 10500-10508.	6.6	33
58	Patterson selectivity by modulation-enhanced diffraction. Journal of Applied Crystallography, 2012, 45, 458-470.	1.9	32
59	Graphene oxide hydration and solvation: an in situ neutron reflectivity study. Nanoscale, 2014, 6, 12151-12156.	2.8	32
60	Chemical disorder and spin crossover in a mixed ethanol-2-propanol solvate of Fell tris(2-picolyamine) dichloride. New Journal of Chemistry, 2009, 33, 1277.	1.4	29
61	Intrinsic crystal phase separation in the antiferromagnetic superconductor $\text{RbFe}_2\text{Se}_2$ : a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	0.7	28
62	Particle size effect in carbon supported Pt-Co alloy electrocatalysts prepared by the borohydride method: XRD characterization. Applied Catalysis A: General, 2009, 357, 1-4.	2.2	27
63	Pressure-induced isostructural phase transformation in $\text{B}_2\text{O}_3$ . Physical Review B, 2010, 82, .	1.1	27
64	Experimental evidence of orbital order in $\text{Bi}_2\text{Se}_3$ . Physical Review B, 2010, 82, .	1.1	27
65	Temperature dependences of the parameters of atoms in the crystal structure of the intermediate-valence semiconductor $\text{SmB}_6$ : investigation by high-resolution powder neutron diffraction. Journal of Physics Condensed Matter, 1993, 5, 2479-2488.	0.7	26
66	Low-lying phonons in $\text{NaBH}_4$ by inelastic scattering of synchrotron radiation. Physical Review B, 2008, 78, .	1.1	26
67	Single-Step Synthesis of Dual Phase Bright Blue-Green Emitting Lead Halide Perovskite Nanocrystal Thin Films. Chemistry of Materials, 2019, 31, 6824-6832.	3.2	26
68	Crystal structure of $\text{BaFe}_2\text{Se}_3$ as a function of temperature and pressure: phase transition phenomena and high-order expansion of Landau potential. Journal of Physics Condensed Matter, 2013, 25, 315403.	0.7	25
69	Solid-state reactivity explored in situ by synchrotron radiation on single crystals: from $\text{SrFeO}_{2.5}$ to $\text{SrFeO}_3$ via electrochemical oxygen intercalation. Journal Physics D: Applied Physics, 2015, 48, 504004.	1.3	25
70	Incommensurate crystal structure of $\text{PbHfO}_3$ . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 7-12.	0.5	25
71	Crystal and Electronic Structures of Magnesium(II), Copper(II), and Mixed Magnesium(II)-Copper(II) Complexes of the Quinoline Half of Styrylquinoline-Type HIV-1 Integrase Inhibitors. Journal of Physical Chemistry B, 2007, 111, 6042-6050.	1.2	24
72	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, .	1.1	24

#	ARTICLE	IF	CITATIONS
73	Chirality of structure and magnetism in the magnetoelectric compound $\text{Cu}_2\text{MnSb}_2$ . Physical Review B, 2014, 89, .		
74	Synthesis, Structure, and Thermoelectric Properties of $\text{Zn}_3\text{Sb}_2$ and Comparison to $\text{Zn}_{13}\text{Sb}_{10}$ . Chemistry of Materials, 2017, 29, 5249-5258.	3.2	24
75	The updated $\text{Zn}-\text{Sb}$ phase diagram. How to make pure $\text{Zn}_{13}\text{Sb}_{10}$ ( $\text{Zn}_4\text{Sb}_3$ ).. Dalton Transactions, 2018, 47, 15121-15200	1.6	24
76	Symmetry and structure of multiferroic $\text{Ba}_2\text{CoGe}_2\text{O}_7$ . Physical Review B, 2011, 84, .	1.1	23
77	Metastable state of the photomagnetic Prussian blue analog $\text{K}_0.3\text{Co}[\text{Fe}(\text{CN})_6]_{0.77}\cdot 3.6\text{H}_2\text{O}$ investigated by various techniques. Physical Review B, 2011, 84, .	1.1	23
78	Common acoustic phonon lifetimes in inorganic and hybrid lead halide perovskites. Physical Review Materials, 2019, 3, .	0.9	23
79	Competing charge density waves and temperature-dependent nesting in $2\text{H-TaSe}_2$ . Physical Review B, 2011, 83, .	1.1	22
80	An electrochemical cell with sapphire windows for <i>operando</i> synchrotron X-ray powder diffraction and spectroscopy studies of high-power and high-voltage electrodes for metal-ion batteries. Journal of Synchrotron Radiation, 2018, 25, 468-472.	1.0	22
81	Mesoscopic magnetic inhomogeneities in the low-temperature phase and structure of $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x < 0.5$ ) perovskite. Journal of Experimental and Theoretical Physics, 2000, 91, 1017-1028.	0.2	21
82	Evidence for complex multistability in photomagnetic cobalt hexacyanoferrates from combined magnetic and synchrotron x-ray diffraction measurements. Physical Review B, 2009, 79, .	1.1	21
83	Magnetic topology of Co-based inverse opal-like structures. Physical Review B, 2011, 84, .	1.1	21
84	Untangling diffraction intensity: modulation enhanced diffraction on $\text{ZrO}_2$ powder. Journal of Applied Crystallography, 2012, 45, 738-747.	1.9	21
85	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.	0.4	20
86	Temperature and Pressure Evolution of the Crystal Structure of $\text{A}_2(\text{Fe}_2\text{Se}_2)$ (A = Cs, Rb, K) Studied by Synchrotron Powder Diffraction. Inorganic Chemistry, 2011, 50, 10703-10708.	1.9	20
87	New insights into the lattice dynamics of $\alpha$ -quartz. Zeitschrift für Kristallographie, 2012, 227, 84-91.	1.1	20
88	Reentrant Phase Coherence in Superconducting Nanowire Composites. ACS Nano, 2016, 10, 515-523.	7.3	19
89	Strong magnetoelastic coupling in orthorhombic $\text{Eu}_2\text{O}_7$ . Physical Review B, 2010, 82, .	1.1	18
90	Dynamics and Thermodynamics of Crystalline Polymorphs. 2. $\beta$ -Glycine, Analysis of Variable-Temperature Atomic Displacement Parameters. Journal of Physical Chemistry A, 2013, 117, 8001-8009.	1.1	18

#	ARTICLE	IF	CITATIONS
91	Change of the cerium valence with temperature – Structure and chemical bonding of HT-CeRhGe. Solid State Sciences, 2013, 21, 6-10.	1.5	18
92	Texture Formation in Polycrystalline Thin Films of All-Inorganic Lead Halide Perovskite. Advanced Materials, 2021, 33, e2007224.	11.1	18
93	MmHn(XO4)(m+n)/2crystals: structure, phase transitions, hydrogen bonds, conductivity. I. K9H7(SO4)8A·H2O crystals – a new representative of the family of solid acid conductors. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 218-226.	0.5	17
94	Dynamics and Thermodynamics of Crystalline Polymorphs. 3. $\beta$ -Glycine, Analysis of Variable-Temperature Atomic Displacement Parameters, and Comparison of Polymorph Stabilities. Journal of Physical Chemistry A, 2014, 118, 9951-9959.	1.1	17
95	High-Pressure Study of Mn(BH4)2 Reveals a Stable Polymorph with High Hydrogen Density. Chemistry of Materials, 2016, 28, 274-283.	3.2	17
96	A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe <sub>5</sub> O <sub>6</sub> . Angewandte Chemie - International Edition, 2020, 59, 5632-5636.	7.2	17
97	Cation Size and Anion Anisotropy in Structural Chemistry of Metal Borohydrides. The Peculiar Pressure Evolution of RbBH <sub>4</sub> . Inorganic Chemistry, 2010, 49, 5285-5292. Phase coexistence in Cs $\times$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.8 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Fe} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.6 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Se} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.6 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$	1.9	16
98	In-between Bragg reflections: thermal diffuse scattering and vibrational spectroscopy with x-rays. Journal Physics D: Applied Physics, 2015, 48, 504003.	1.1	16
99	In-between Bragg reflections: thermal diffuse scattering and vibrational spectroscopy with x-rays. Journal Physics D: Applied Physics, 2015, 48, 504003.	1.3	16
100	Strain engineering of photo-induced phase transformations in Prussian blue analogue heterostructures. Nanoscale, 2018, 10, 16030-16039.	2.8	16
101	On model-free reconstruction of lattice dynamics from thermal diffuse scattering. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, 598-600.	0.3	15
102	Choice of dynamics for spin-crossover systems. Physical Review B, 2010, 81, .	1.1	15
103	A chiral link between structure and magnetism in MnSi. Journal of Physics Condensed Matter, 2012, 24, 366005.	0.7	15
104	Diffuse scattering in Ih ice. Journal of Physics Condensed Matter, 2014, 26, 265401.	0.7	15
105	Crystal structure and thermal expansion of Mn $1-x$ Fe $x$ Ge. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 676-680.	0.5	15
106	Frequency analysis for modulation-enhanced powder diffraction. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, 500-506.	0.0	15
107	Co-crystallized cis and trans isomers of dichlorobis(2-picolylamine)iron(II). Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m450-m452.	0.4	14
108	Superstructure formation at the metal-insulator transition in RBaCo <sub>2</sub> O <sub>5.5</sub> (R=Nd, Tb) as seen from reciprocal space mapping. Physical Review B, 2008, 78, .	1.1	14

#	ARTICLE	IF	CITATIONS
109	3D Imaging of the Fermi Surface by Thermal Diffuse Scattering. <i>Physical Review Letters</i> , 2009, 103, 076403.	2.9	14
110	Manifolds of magnetic ordered states and excitations in the almost Heisenberg pyrochlore antiferromagnet $\text{MgCr}_2\text{O}_4$ . <i>Physical Review B</i> , 2018, 97, .	1.1	14
111	Probing the intrinsic and extrinsic origins of piezoelectricity in lead zirconate titanate single crystals. <i>Journal of Applied Crystallography</i> , 2018, 51, 1396-1403.	1.9	14
112	Large electromechanical strain and unconventional domain switching near phase convergence in a Pb-free ferroelectric. <i>Communications Physics</i> , 2020, 3, .	2.0	14
113	Structure and chemical bonding in $\text{MgNi}_2\text{H}_3$ from combined high resolution synchrotron and neutron diffraction studies and ab initio electronic structure calculations. <i>Acta Materialia</i> , 2015, 98, 416-422.	3.8	13
114	Long-range oxygen ordering linked to topotactic oxygen release in $\text{Pr}_2\text{NiO}_{4+\delta}$ fuel cell cathode material. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13987-13995.	5.2	13
115	Crystal structure, chemical bonding, and electrical and thermal transport in $\text{Sc}_5\text{Rh}_6\text{Sn}_{18}$ . <i>Dalton Transactions</i> , 2020, 49, 6832-6841.	1.6	13
116	Synchrotron powder diffraction in a systematic study of $4\text{-}[\text{2-(tosylamino)benzylideneamino}]\text{-2,3-benzo-15-crown-5}$ complexes. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 402-410.	1.8	12
117	Growth of single crystals of B28 at high pressures and high temperatures. <i>Journal of Crystal Growth</i> , 2010, 312, 3388-3394.	0.7	12
118	Identification, structural characterization and transformations of the high-temperature $\text{Zn}_9\text{Sb}_7$ phase in the $\text{Zn-Sb}$ system. <i>Dalton Transactions</i> , 2015, 44, 20983-20990.	1.6	12
119	In situ cell for X-ray single-crystal diffraction experiment at electric field. <i>Journal of Surface Investigation</i> , 2015, 9, 436-441.	0.1	12
120	A rapid two-dimensional data collection system for the study of ferroelectric materials under external applied electric fields. <i>Journal of Applied Crystallography</i> , 2016, 49, 1501-1507.	1.9	12
121	Cooperative Adsorption by Porous Frameworks: Diffraction Experiment and Phenomenological Theory. <i>Chemistry - A European Journal</i> , 2017, 23, 17714-17720.	1.7	12
122	Complex biphasic nature of the superconducting dome of the FeSe phase diagram. <i>Physical Review B</i> , 2017, 96, .	1.1	12
123	Element selective magnetism in $\text{Ho}_{0.5}\text{Mn}_{0.5}$		



#	ARTICLE	IF	CITATIONS
127	Compressibility and pressure-induced disorder in superconducting phase-separated $\text{CsFeSe}_2$ . <i>Physical Review B</i> , 2014, 89, .		
128	Spin Crossover in a Hexamineiron(II) Complex: Experimental Confirmation of a Computational Prediction. <i>Chemistry - A European Journal</i> , 2018, 24, 5082-5085.	1.7	11
129	Isotopic engineering of 'zero-matrix' samarium hexaboride: results of high-resolution powder diffraction and X-ray single-crystal diffractometry studies. <i>Journal of Applied Crystallography</i> , 1991, 24, 888-892.	1.9	10
130	Nondestructive characterization of ferrofluids by wide-angle synchrotron light diffraction: crystalline structure and size distribution of colloidal nanoparticles. <i>Journal of Applied Crystallography</i> , 2008, 41, 831-835.	1.9	10
131	Pressure-Induced Insulator-to-Metal Transition in $\text{TbBaCo}_2\text{O}_{5.48}$ . <i>Physical Review Letters</i> , 2009, 103, 125501.	1.1	10
132	A new Cu-rich variety of lyonsite from fumarolic sublimates of the Tolbachik volcano (Kamchatka, Russia). <i>Journal of Metamorphic Geology</i> , 2010, 28, 107-114.	0.2	10
133	Diffuse scattering in metallic tin polymorphs. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 115401.	0.7	10
134	Complex physical properties of $\text{EuMgSi}$ – a complementary study by neutron powder diffraction and $^{151}\text{Eu}$ Mössbauer spectroscopy. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7203-7215.	2.7	10
135	Synthesis and photostability of 1,4-bis(5-phenyloxazol-2-yl)benzene (POPOP) structural isomers and their trimethylsilyl derivatives. <i>Dyes and Pigments</i> , 2017, 141, 128-136.	2.0	10
136	Tuning the iron redox state inside a microporous porphyrinic metal organic framework. <i>Dalton Transactions</i> , 2017, 46, 517-523.	1.6	10
137	Polar and non-polar structures of $\text{NH}_4\text{TiO}_3$ . <i>Journal of Applied Crystallography</i> , 2019, 52, 23-26.	1.9	10
138	Principal Component Analysis (PCA) for Powder Diffraction Data: Towards Unblinded Applications. <i>Crystals</i> , 2020, 10, 581.	1.0	10
139	Phase transition in an organic ferroelectric: glycinium phosphite, with and without X-ray radiation damage. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 365-370.	0.5	10
140	Electric field control of antiferroelectric domain pattern. <i>Physical Review B</i> , 2021, 103, .	1.1	10
141	Looking at hydrogen atoms with X-rays: comprehensive synchrotron diffraction study of $\text{LiBH}_4$ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007, 63, s240-s240.	0.3	10
142	Investigation of a magnetic phase transition in fcc iron-nickel alloys. <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 1168-1179.	0.2	9
143	Extended Structure Design with Simple Molybdenum Oxide Building Blocks and Urea As a Directing Agent. <i>Inorganic Chemistry</i> , 2008, 47, 6863-6866.	1.9	9
144	A microcontroller for <i>in situ</i> single-crystal diffraction measurements with a PILATUS-2M detector under an alternating electric field. <i>Journal of Applied Crystallography</i> , 2017, 50, 975-977.	1.9	9



#	ARTICLE	IF	CITATIONS
163	Glass-like structure of a lead-based relaxor ferroelectric. <i>Journal of Applied Crystallography</i> , 2012, 45, 1309-1313.	1.9	7
164	Diffuse scattering in lead-based relaxors: synchrotron experiments, data, and models. <i>Phase Transitions</i> , 2015, 88, 264-272.	0.6	7
165	Relation between the boson peak in glasses and van Hove singularity in crystals. <i>Philosophical Magazine</i> , 2016, 96, 743-753.	0.7	7
166	The Technique of Studying X-Ray Scattering over Wide Temperature Range in an Electric Field. <i>Physics of the Solid State</i> , 2018, 60, 963-966.	0.2	7
167	Structural peculiarities, point defects and luminescence in Bi-doped CsCdX <sub>3</sub> (X = Cl, Br) single crystals. <i>Journal of Alloys and Compounds</i> , 2019, 803, 912-921.	2.8	7
168	On the resolution function for powder diffraction with area detectors. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, 497-505.	0.0	7
169	Experimental setup for high-temperature <i>in situ</i> studies of crystallization of thin films with atmosphere control. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1209-1217.	1.0	7
170	Problems of studying the crystal structure of Ce <sub>1-x</sub> La <sub>x</sub> BiB <sub>6</sub> solid solutions by high-resolution powder neutron diffraction. <i>Journal of Applied Crystallography</i> , 1991, 24, 142-145.	1.9	6
171	Mean-square displacements of atoms in hexaborides. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 146-148.	1.3	6
172	Critical scattering of synchrotron radiation in lead zirconate-titanate with low titanium concentrations. <i>Physics of the Solid State</i> , 2015, 57, 2441-2446.	0.2	6
173	High-pressure synthesis of skiaegite-majorite garnet and investigation of its crystal structure. <i>American Mineralogist</i> , 2015, 100, 2650-2654.	0.9	6
174	Structural Peculiarities of the Intermediate Phase in Zr-Rich Lead Zirconate Titanate. <i>Physics of the Solid State</i> , 2019, 61, 1772-1778.	0.2	6
175	Carbon dioxide induced structural phase transition in metal-organic frameworks CPO-27. <i>CrystEngComm</i> , 2020, 22, 4353-4358.	1.3	6
176	Phase Transformations and Charge Ordering during Li <sup>+</sup> Intercalation into Hollandite-Type TiO <sub>2</sub> Studied by Operando Synchrotron X-ray Powder Diffraction. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 743-748.	1.0	6
177	Elucidating 2D Charge-Density-Wave Atomic Structure in an MX <sub>2</sub> Chain by the 3D Pair Distribution Function Method**. <i>ChemPhysChem</i> , 2022, 23, .	1.0	6
178	Preliminary observations of the interplay of radiation damage with spin crossover. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 392-396.	0.5	6
179	On the application of a single-crystal $\theta$ -diffractometer and a CCD area detector for studies of thin films. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 644-647.	1.0	5
180	Thermal and magnetic anomalies of Fe-iron: an exploration by extended x-ray absorption fine structure spectroscopy and synchrotron x-ray diffraction. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 355401.	0.7	5

#	ARTICLE	IF	CITATIONS
181	SAPO-37 microporous catalysts: revealing the structural transformations during template removal. Journal of Lithic Studies, 2017, 3, 79-88.	0.1	5
182	Influence of monovalent Bi <sup>+</sup> doping on real composition, point defects, and photoluminescence in TiCdCl <sub>3</sub> and TiCdI <sub>3</sub> single crystals. Science China Materials, 2017, 60, 1253-1263.	3.5	5
183	Kinetic Barriers and Microscopic Mechanisms of Noble Gas Adsorption by Nanoporous $\beta$ -Mg(BH <sub>4</sub> ) <sub>2</sub> Obtained by Means of Sub $\epsilon$ Second X $\epsilon$ Ray Diffraction. Angewandte Chemie - International Edition, 2021, 60, 5250-5256.	7.2	5
184	Exploring Fast Room Temperature Oxygen Diffusion in Pr <sub>2</sub> NiO <sub>4</sub> <sup>+</sup> Stand-Alone Single-Crystalline Electrodes. Chemistry of Materials, 2022, 34, 414-421.	3.2	5
185	Crystal structure evolution of Sm <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> in the temperature range 1.5 $\times$ 300 K. Physica B: Condensed Matter, 2000, 276-278, 318-319.	1.3	4
186	Structural and magnetic aspects of the nanotube system $\text{Na}^{11}\text{Mg}^{42}$ Physical Review B, 2008, 78, <a href="#">http://www.w3.org/1998/Math/MathML" display="inline"&gt;&lt;math&gt;\text{Na}^{11}\text{Mg}^{42}&lt;/math&gt;&lt;/a&gt;</a>	1.1	4
187	Structural and magnetic aspects of the nanotube system $\text{Ta}^{11}\text{Mg}^{42}$ Physical Review B, 2008, 78, <a href="#">http://www.w3.org/1998/Math/MathML" display="inline"&gt;&lt;math&gt;\text{Ta}^{11}\text{Mg}^{42}&lt;/math&gt;&lt;/a&gt;</a>	1.1	4
188	Probing structural chirality with high-energy synchrotron radiation. Journal of Applied Crystallography, 2016, 49, 918-922.	1.9	4
189	Fast proton conduction in Cs <sub>3</sub> (HSO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> PO <sub>4</sub> ) and Cs <sub>4</sub> (HSO <sub>4</sub> ) <sub>3</sub> (H <sub>2</sub> PO <sub>4</sub> ). Solid State Ionics, 2017, 305, 30-35.	1.3	4
190	Crystal structure and superconducting properties of Sc <sub>5</sub> Ir <sub>6</sub> Sn <sub>18</sub> . Journal of Physics Condensed Matter, 2019, 31, 445603.	0.7	4
191	Local Structure of Ferrioc Iron Formates at Low Temperature and High Pressure Studied by M $\alpha$ ssbauer Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 21676-21684.	1.5	4
192	Research of the probability of the "flip" of approximating function during the processing of measurement results. E3S Web of Conferences, 2019, 104, 02003.	0.2	4
193	Pressure-induced transformation of CH <sub>3</sub> NH <sub>3</sub> Pb <sub>3</sub> : the role of the noble-gas pressure transmitting media. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 361-370.	0.5	4
194	Non-Isothermal Kinetics of Kr Adsorption by Nanoporous $\beta$ -Mg(BH <sub>4</sub> ) <sub>2</sub> from in Situ Synchrotron Powder Diffraction. ACS Applied Materials & Interfaces, 2020, 12, 7710-7716.	4.0	4
195	Lattice dynamics of cobalt orthoborate Co <sub>3</sub> (BO <sub>3</sub> ) <sub>2</sub> with kotoite structure. Journal of Alloys and Compounds, 2021, 865, 158797.	2.8	4
196	Study of Inverse Ni-based Photonic Crystal using the Microradian X-ray Diffraction. Journal of Physics: Conference Series, 2010, 247, 012029.	0.3	3
197	Analysis of the imperfection of opal-like photonic crystals synthesized on conducting substrates. Physics of the Solid State, 2010, 52, 1087-1091.	0.2	3
198	Diffuse scattering and disorder phenomena. Phase Transitions, 2010, 83, 77-79.	0.6	3

#	ARTICLE	IF	CITATIONS
199	The synthesis, and crystal and magnetic structure of the iron selenide BaFe <sub>2</sub> Se <sub>3</sub> with possible superconductivity at T <sub>c</sub> = 11 K. Journal of Physics Condensed Matter, 2012, 24, 059502.	0.7	3
200	Topological Analysis of the Experimental Electron Density in Multiferroic Antiferromagnet Ba <sub>2</sub> MnGe <sub>2</sub> O <sub>7</sub> . IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	3
201	Sequential <i>SHELXL</i> refinement of consecutive data sets: a tool to probe dynamically evolving single-crystal structures. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e678-e678.	0.0	3
202	SNBL's BM31 at ESRF beyond 2020 – combined XRD + PDF + XAS. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e677-e677.	0.0	3
203	Atomic structure and transport and magnetic properties of the Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> system. Physics of the Solid State, 1998, 40, 1158-1162.	0.2	2
204	Contact heat conduction through periodically contacting rods. Journal of Engineering Physics and Thermophysics, 2008, 81, 1021-1032.	0.2	2
205	Symmetry of platelet defects in diamond: new insights with synchrotron light. Acta Crystallographica Section B: Structural Science, 2010, 66, 493-496.	1.8	2
206	Thermal and magnetic anomalies of Mn <sub>1-x</sub> CoxGe. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s395-s395.	0.0	2
207	Anomalous Thermal Behaviour of Mixed Cobaltites-Ferrites and Cobaltites-Chromites. Solid State Phenomena, 2016, 257, 99-102.	0.3	2
208	High-pressure single-crystal synchrotron diffraction study of MnGe and related compounds. Journal of Physics Condensed Matter, 2017, 29, 085401.	0.7	2
209	Study of the specific features of single-crystal boron microstructure. Crystallography Reports, 2017, 62, 692-702.	0.1	2
210	<i>In situ</i> synchrotron X-ray diffraction of thin films under perturbation by an electric field. Ferroelectrics, 2018, 537, 20-26.	0.3	2
211	Mathematical model of a communication channel in urban environment. MATEC Web of Conferences, 2018, 226, 05009.	0.1	2
212	Incommensurate instability and diffuse scattering at Brillouin zone boundary in Zr-rich lead zirconate titanate. Ferroelectrics, 2019, 538, 65-73.	0.3	2
213	A Room-Temperature Verwey-type Transition in Iron Oxide, Fe <sub>5</sub> O <sub>6</sub> . Angewandte Chemie, 2020, 132, 5681-5685.	1.6	2
214	A new model of correlated disorder in relaxor ferroelectrics. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C78-C78.	0.3	2
215	Tailoring Preferential Orientation in BaTiO <sub>3</sub> -based Thin Films from Aqueous Chemical Solution Deposition. Chemistry Methods, 0, , .	1.8	2
216	Low-frequency lattice vibrations from atomic displacement parameters of Î±-FOX-7, a high energy density material. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 376-384.	0.5	2

#	ARTICLE	IF	CITATIONS
217	Crystal structure and lattice dynamic effects of rare-earth hexaborides under hydrostatic pressure. Physica B: Condensed Matter, 2000, 276-278, 320-321.	1.3	1
218	Publisher's Note: Pressure-temperature phase diagram of LiBH <sub>4</sub> : Synchrotron x-ray diffraction experiments and theoretical analysis [Phys. Rev. B 77, 174112 (2008)]. Physical Review B, 2008, 78, .	1.1	1
219	Pressure-induced isostructural phase transformation in $\hat{1}^3$ -B28. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s175-s175.	0.3	1
220	High pressure x-ray diffraction study of nickel-copper chromites solid solutions. Journal of Physics Condensed Matter, 2014, 26, 505401.	0.7	1
221	Pressure evolution of PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> relaxor ferroelectric. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.4	1
222	Crystallography with synchrotron light. Journal Physics D: Applied Physics, 2015, 48, 504001.	1.3	1
223	Nebula: reconstruction and visualization of scattering data in reciprocal space. Journal of Applied Crystallography, 2015, 48, 604-607.	1.9	1
224	Removing of systematic measurement errors caused by asymmetric distribution law of the noise component. , 2016, , .		1
225	Influence of the oxygen concentration on crystal growth and structure of the BaCuSi <sub>2</sub> O <sub>6</sub> and Ba <sub>1-x</sub> Sr <sub>x</sub> CuSi <sub>2</sub> O <sub>6</sub> spin dimer compounds. Acta Crystallographica Section A: Foundations and Advances. 2016. 72. s325-s326.	0.0	1
226	Fermi bubbles as sources of cosmic rays above 1 PeV. EPJ Web of Conferences, 2017, 145, 04004.	0.1	1
227	Order-Parameter Temperature Dependences in Nanocomposites of Porous Glass-Sodium Nitrite. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 238-241.	0.1	1
228	Methods of substitution detected anomalous values in the realization of a random process. MATEC Web of Conferences, 2018, 226, 05005.	0.1	1
229	X-Ray Scattering by Antiphase Ferroelectric Domain Walls in the Antiferroelectric Phase of the PbZr <sub>0.985</sub> Ti <sub>0.015</sub> O <sub>3</sub> . Lecture Notes in Computer Science, 2018, , 683-690.	1.0	1
230	Algorithm for received signal in multipath propagation conditions. E3S Web of Conferences, 2019, 104, 02010.	0.2	1
231	In situ X-ray diffraction studies of the crystallization of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> powders and thin films from an aqueous synthesis route. Open Ceramics, 2021, 7, 100147.	1.0	1
232	X-ray study of the impact of a weak electric field on the domain structure in PbTiO <sub>3</sub> thin films. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C520-C521.	0.3	1
233	Modulation-enhanced diffraction: a new tool to study transient structural phases and solve structures. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s105-s105.	0.3	1
234	Chemical Selectivity in Diffraction by Statistical Analysis of in situ XRPD Data. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1471-C1471.	0.0	1

#	ARTICLE	IF	CITATIONS
235	Partition optimization for a random process realization to estimate its expected value. Serbian Journal of Electrical Engineering, 2017, 14, 333-342.	0.2	1
236	A complex spin crossover scenario as seen by synchrotron diffraction and small angle neutron scattering. Acta Crystallographica Section A: Foundations and Advances, 2006, 62, s112-s112.	0.3	1
237	Diffuse scattering study of $\text{I}^3$ -Pigment Red 170. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C419-C419.	0.3	1
238	Getting More from Powder Diffraction Experiment: Modulation-Enhanced Diffraction. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C132-C132.	0.0	1
239	FOX-7 high-energy-density material: thermal expansion and phase transitions revisited. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 91-95.	0.5	1
240	Mesocrystalline structure and mechanical properties of biogenic calcite from sea urchin spine. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 356-358.	0.5	1
241	Protective and reactivative action of bacterial peptides in organisms inactivated by different stress factors*. Studies in Environmental Science, 1997, 66, 749-757.	0.0	0
242	Crystal structures of cyano-elpasolites: chemical pressure versus temperature. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c145-c145.	0.3	0
243	Structural phase transitions in the cyano-elpasolite $\text{CS}_2\text{NaCo}(\text{CN})_6$ , a neutron diffraction study. Physica B: Condensed Matter, 2004, 350, E379-E382.	1.3	0
244	Generic phase diagrams for spin-crossover solids showing ordering phenomena. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, s263-s263.	0.3	0
245	Light metal borohydrides: going beyond crystal structures. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C83-C83.	0.3	0
246	Probing strong and weak interactions in $\text{Mg}(\text{BH}_4)_2$ and $\text{NH}_3\text{BH}_3$ by diffraction under high pressure. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s125-s126.	0.3	0
247	Phase transitions in the lead-free mixed perovskite piezoelectrics. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s214-s214.	0.3	0
248	Isostructural phase transitions and crossovers under non-ambient conditions. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s51-s51.	0.3	0
249	Thin ferroelectric Nd-doped $\text{BiFeO}_3$ films with orthorhombic structure. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1112-1114.	0.1	0
250	Iron vacancy superstructure and room-temperature antiferromagnetic order in superconducting $\text{X}_y\text{Fe}_2\text{Se}_2$ ( $\text{X} = \text{K}, \text{Cs}, \text{Rb}$ ). Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C208-C208.	0.3	0
251	Three-dimensional PDF analysis of diffuse scattering from manganese Prussian Blue analog. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C420-C420.	0.3	0
252	Crystal handedness and spin chirality of transition metal monosilicides. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C748-C749.	0.3	0

#	ARTICLE	IF	CITATIONS
253	Structural investigation on Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> at room and low temperature. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C580-C580.	0.3	0
254	Investigating repeated gas adsorption in zeolites for solar cooling applications. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s42-s42.	0.3	0
255	Structural and Magnetic Chirality of Cu <sub>2</sub> OSeO <sub>3</sub> . Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1548-C1548.	0.0	0
256	Phase separation in A <sub>y</sub> Fe <sub>2-x</sub> Se <sub>2</sub> (A= K, Rb, Cs) superconductors. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1464-C1464.	0.0	0
257	Phase transitions in PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> with low Ti concentrations studied by X-ray scattering. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s388-s388.	0.0	0
258	High-pressure study of Mn(BH <sub>4</sub> ) <sub>2</sub> : new polymorphs with high hydrogen density. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s349-s350.	0.0	0
259	Towards to control the Dzyaloshinskii-Moriya interaction in chiral magnets with P213 crystal structure. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s170-s170.	0.0	0
260	Diffuse scattering experiments with relaxor ferroelectrics: probing complexity of primitive cubic perovskite. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s93-s93.	0.0	0
261	Mapping of reciprocal space with ferroelectrics under electric field. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s158-s158.	0.0	0
262	Temperature- and Pressure-Induced Spin Crossover in Co <sub>1-x</sub> Cr <sub>2x</sub> Se <sub>4</sub> (x = 0.24): A Diffraction Study. Inorganic Chemistry, 2016, 55, 338-344.	1.9	0
263	Method to reduce the effect of miagrafic and sensory noise with isolating the isoline on ECG signal. MATEC Web of Conferences, 2017, 132, 05017.	0.1	0
264	Spin Crossover Phenomena in $\text{SmCo}_{0.5}\text{Ga}_{0.5}\text{O}_{3}$ . , 2018, , .		0
265	Synchrotron Diffraction Study of the Crystal Structure of Ca(UO <sub>2</sub> ) <sub>6</sub> (SO <sub>4</sub> ) <sub>2</sub> O <sub>2</sub> (OH) <sub>6</sub> ·12H <sub>2</sub> O, a Natural Phase Related to Uranopilite. Minerals (Basel, Switzerland), 2018, 8, 569.	0.8	0
266	Structural Evolution in Morphotropic Lead Zirconate Titanate. , 2018, , .		0
267	Crystallography Based on Synchrotron Radiation: Experiments of Russian Users of the ESRF BM01 Diffraction Beam Line. Journal of Surface Investigation, 2018, 12, 395-407.	0.1	0
268	Algorithm reception signal in the presence of active noise interference and multipath in the communication channel. AIP Conference Proceedings, 2019, , .	0.3	0
269	Chirok: a post-refinement tool to analyse absolute structure. Journal of Applied Crystallography, 2020, 53, 1138-1140.	1.9	0
270	Innentitelbild: A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe <sub>5</sub> O <sub>6</sub> (Angew. Chem. 14/2020). Angewandte Chemie, 2020, 132, 5450-5450.	1.6	0



#	ARTICLE	IF	CITATIONS
271	Kinetic Barriers and Microscopic Mechanisms of Noble Gas Adsorption by Nanoporous $\text{Mg}(\text{BH}_4)_2$ Obtained by Means of Subsecond X-ray Diffraction. <i>Angewandte Chemie</i> , 2021, 133, 5310-5316.	1.6	0
272	Atomic displacement parameters of the $\beta$ -polymorph of <i>p</i> -dichlorobenzene measured between 15 and 300 K. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, s260-s260.	0.3	0
273	Atomic displacement parameters and specific heat of <i>p</i> -dichlorobenzene polymorphs between 10 and 230 K. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c328-c328.	0.3	0
274	Spin crossover in solvates of an iron(II) complex with solvent mixtures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c327-c327.	0.3	0
275	A novel spin transition curve in $[\text{tris}(2\text{-picolylamine})\text{Fe}(\text{II})]\text{Cl}_2$ allyl solvate. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c317-c317.	0.3	0
276	Order and disorder in a Mn-based Prussian Blue analogue: synchrotron diffraction and magnetic susceptibility study. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s244-s244.	0.3	0
277	Superstructures in $\text{RBaCo}_2\text{O}_{5.5}$ (R= Nd, Tb) as seen from reciprocal space mapping. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C518-C519.	0.3	0
278	Structural disorder and spin crossover: how weak interactions affect the spin state of a molecular Fe(II) complex. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s243-s243.	0.3	0
279	Chemical experimental charge-density study of $\beta$ -B28. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s283-s283.	0.3	0
280	Disorder phenomena in Prussian Blue analogues. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s72-s72.	0.3	0
281	Porosity and polymorphism as a sign of directional bonding in light hydrides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s88-s88.	0.3	0
282	Temperature and pressure evolution of the crystal structure of $\text{A}_x(\text{Fe}_{1-x}\text{Se})_2$ (A= Cs, Rb, K) studied by synchrotron X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C239-C239.	0.3	0
283	Chemical selectivity in structure determination by modulation enhanced X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C206-C206.	0.3	0
284	Modulation enhanced diffraction: a new tool for solving crystal structures and study solid-state kinetics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C165-C166.	0.3	0
285	Hysteresis effects of weak electric fields on the domain structure in thin $\text{PbTiO}_3$ films. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C338-C338.	0.3	0
286	Modulation excitation spectroscopy adapted to crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C582-C583.	0.3	0
287	Dynamic and thermodynamic properties of glycine polymorphs from diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C521-C521.	0.3	0
288	Electron-deficient and polycenter bonds in $\beta$ -B28. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C86-C86.	0.3	0

#	ARTICLE	IF	CITATIONS
289	Three-dimensional mapping of reciprocal space and structural complexity of $A_xFe_{2-x}Se_2$ superconductors (A= Rb, Cs). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s187-s187.	0.3	0
290	Modulation-enhanced diffraction “from theory to experiment. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s125-s125.	0.3	0
291	Solid-state reactivity explored in situ by synchrotron radiation on single crystals of $SrFeO_{2.5}$ during electrochemical oxygen intercalation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s421-s421.	0.0	0
292	Lattice dynamics and elastic properties from thermal diffuse scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s80-s81.	0.0	0
293	Organic-inorganic hybrid perovskite $CH_3NH_3PbI_3$ : structural consequences of water absorption. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s294-s295.	0.0	0
294	Lattice gas models and thermodynamics of gas uptake by porous materials from diffraction experiments. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e60-e60.	0.0	0
295	Kinetics of gas sorption by porous frameworks probed by sub-second synchrotron powder X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e158-e158.	0.0	0
296	Diffusion mechanisms of gas adsorption by porous frameworks from sub-second synchrotron powder X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e687-e687.	0.0	0
297	Resolution function for 2D pixel detectors. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e628-e628.	0.0	0
298	Inspecting piezoelectricity in $PbZr_{1-x}Ti_xO_3$ single crystals with ferroelastic domains. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e673-e673.	0.0	0
299	Phase transitions in Zr-rich lead zirconate-titanate studied by single-crystal diffuse and inelastic X-ray scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e429-e429.	0.0	0
300	A System for Simultaneous Application of Uniaxial Strain and Electric Field to the Crystal Sample in Wide Temperature Range for X-Ray Scattering Experiments. , 2021, , .		0
301	Tailoring Preferential Orientation in $BaTiO_3$ -based Thin Films from Aqueous Chemical Solution Deposition. <i>Chemistry Methods</i> , 2022, 2, .	1.8	0