

# Anatoliy Senyshyn

## List of Publications by Year in descending order

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279  
papers

10,844  
citations

34105

52  
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42399

92  
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308  
all docs

308  
docs citations

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times ranked

11156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and dynamics of the fast lithium ion conductor $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ . Physical Chemistry Chemical Physics, 2011, 13, 19378.	2.8	559
2	The Haber-Bosch Process Revisited: On the Real Structure and Stability of Ammonia Iron under Working Conditions. Angewandte Chemie - International Edition, 2013, 52, 12723-12726.	13.8	489
3	Influence of Lattice Polarizability on the Ionic Conductivity in the Lithium Superionic Argyrodites $\text{Li}_6\text{PS}_5\text{X}$ (X = Cl, Br, I). Journal of the American Chemical Society, 2017, 139, 10909-10918.	13.7	446
4	Inducing High Ionic Conductivity in the Lithium Superionic Argyrodites $\text{Li}_6\text{P}_{1-x}\text{Ge}_x\text{S}_5$ for All-Solid-State Batteries. Journal of the American Chemical Society, 2018, 140, 16330-16339.	13.7	331
5	Understanding structural changes in NMC Li-ion cells by in situ neutron diffraction. Journal of Power Sources, 2014, 255, 197-203.	7.8	210
6	High-resolution neutron powder diffractometer SPODI at research reactor FRM II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 667, 32-37. <a href="https://doi.org/10.1016/j.nima.2012.05.054">on the average global structure and polar properties in <math>\text{NaBiTiO}</math></a>	1.6	206
7	<a href="https://doi.org/10.1016/j.nima.2012.05.054">on the average global structure and polar properties in <math>\text{NaBiTiO}</math></a>	3.2	194
8	Lithium Diffusion Pathway in $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ (LATP) Superionic Conductor. Inorganic Chemistry, 2016, 55, 2941-2945. <a href="https://doi.org/10.1021/acs.inorgchem.5b02441">https://doi.org/10.1021/acs.inorgchem.5b02441</a>	4.0	188
9		3.2	185
10	Electrostrain in excess of 1% in polycrystalline piezoelectrics. Nature Materials, 2018, 17, 427-431.	27.5	180
11	Structural Insights and 3D Diffusion Pathways within the Lithium Superionic Conductor $\text{Li}_{10}\text{Ge}_2\text{S}_{12}$ . Chemistry of Materials, 2016, 28, 5905-5915.	6.7	176
12	Crystal Structure of Garnet-Related Li-Ion Conductor $\text{Li}_3\text{GaLa}_3\text{Zr}_2\text{O}_{12}$ : Fast Li-Ion Conduction Caused by a Different Cubic Modification?. Chemistry of Materials, 2016, 28, 1861-1871.	6.7	168
13	Low-temperature performance of Li-ion batteries: The behavior of lithiated graphite. Journal of Power Sources, 2015, 282, 235-240.	7.8	166
14	Structural insights into the formation and voltage degradation of lithium- and manganese-rich layered oxides. Nature Communications, 2019, 10, 5365.	12.8	166
15	From order to disorder: The structure of lithium-conducting garnets $\text{Li}_7\text{La}_3\text{TaxZr}_2\text{O}_{12}$ (x = 0-2). Solid State Ionics, 2012, 206, 33-38.	2.7	159
16	Investigation of lithium-ion battery degradation mechanisms by combining differential voltage analysis and alternating current impedance. Journal of Power Sources, 2020, 448, 227575.	7.8	155
17	New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the $\text{FeTi}_2\text{O}_7$ iron-based superconductors. Nature Communications, 2013, 4, 1442.	12.8	154
18	Data-driven capacity estimation of commercial lithium-ion batteries from voltage relaxation. Nature Communications, 2022, 13, 2261.	12.8	133

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19	Orthorhombic-tetragonal phase coexistence and enhanced piezo-response at room temperature in Zr, Sn, and Hf modified BaTiO <sub>3</sub> . Applied Physics Letters, 2014, 104, .	3.3	129
20	Effect of Si substitution on the structural and transport properties of superionic Li-argyrodites. Journal of Materials Chemistry A, 2018, 6, 645-651.	10.3	128
21	Structure and oxygen mobility in mayenite (Ca <sub>12</sub> Al <sub>14</sub> O <sub>33</sub> ): a high-temperature neutron powder diffraction study. Acta Crystallographica Section B: Structural Science, 2007, 63, 675-682.	1.8	126
22	in-operando neutron scattering studies on Li-ion batteries. Journal of Power Sources, 2012, 203, 126-129.	7.8	126
23	Lithium Intercalation into Graphitic Carbons Revisited: Experimental Evidence for Twisted Bilayer Behavior. Journal of the Electrochemical Society, 2013, 160, A3198-A3205.	2.9	114
24	Further Evidence for Energy Landscape Flattening in the Superionic Argyrodites Li <sub>6+x</sub> Py <sub>1-x</sub> M <sub>x</sub> S <sub>5</sub> I (M = Si, Ge, Sn). Chemistry of Materials, 2019, 31, 4936-4944.	6.7	109
25	Synthesis, Structural Characterization, and Lithium Ion Conductivity of the Lithium Thiophosphate Li <sub>2</sub> P <sub>2</sub> S <sub>6</sub> . Inorganic Chemistry, 2017, 56, 6681-6687.	4.0	98
26	M <sub>2</sub> B <sub>5</sub> or M <sub>2</sub> B <sub>4</sub> ? A Reinvestigation of the Mo/B and W/B System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2626-2630.	1.2	95
27	Superionic Diffusion through Frustrated Energy Landscape. Chem, 2019, 5, 2450-2460.	11.7	92
28	Structural evolution at the oxidative and reductive limits in the first electrochemical cycle of Li <sub>1.2</sub> Ni <sub>0.13</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> O <sub>2</sub> . Nature Communications, 2020, 11, 1252.	12.8	89
29	Crystal and magnetic structures of electrochemically delithiated Li <sub>1-x</sub> CoPO <sub>4</sub> phases. Solid State Sciences, 2009, 11, 18-23.	3.2	86
30	Spin-Valve-Like Magnetoresistance in $Mn_2NiGa$ at Room Temperature. Physical Review Letters, 2012, 109, 246601.	7.8	84
31	Structural, magnetic, dielectric properties of multiferroic GaFeO <sub>3</sub> prepared by solid state reaction and sol-gel methods. Journal of Alloys and Compounds, 2010, 492, L20-L27.	5.5	83
32	Crystal structure determination of incommensurate modulated martensite in NiMnIn Heusler alloys. Acta Materialia, 2015, 88, 375-388.	7.9	83
33	$CaCrO_3$ : An Anomalous Antiferromagnetic Metallic Oxide. Physical Review Letters, 2008, 101, 167204.	7.8	82
34	Polarization switching and high piezoelectric response in Sn-modified BaTiO <sub>3</sub> . Physical Review B, 2015, 91, .	3.2	81
35	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered Li <sub>0.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> O <sub>2</sub> Oxides. Advanced Energy Materials, 2019, 9, 1803094.	19.5	78
36	Scientific Review: The Structure Powder Diffractometer SPODI. Neutron News, 2007, 18, 23-26.	0.2	76

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37	Li <sup>+</sup> -Ion Dynamics in $\text{Li}_3\text{PS}_4$ Observed by NMR: Local Hopping and Long-Range Transport. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15954-15965.	3.1	76
38	Correlating Transport and Structural Properties in $\text{Li}_x\text{Al}_x\text{Ge}_2(\text{PO}_4)_3$ (LAGP) Prepared from Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10935-10944.	8.0	75
39	Temperature and composition dependence of crystal structures and magnetic and electronic properties of the double perovskites $\text{La}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , 2010, 82, .	3.2	74
40	$\text{CeAlO}_3$ and $\text{Ce}_{1-x}\text{R}_x\text{AlO}_3$ (R=La, Nd) solid solutions: Crystal structure, thermal expansion and phase transitions. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1277-1290.	2.9	70
41	Polymorphic phase boundaries and enhanced piezoelectric response in extended composition range in the lead free ferroelectric $\text{BaTi}_{1-x}\text{Zr}_x\text{O}_3$ . <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	70
42	Structural Stability from Crystallographic Shear in $\text{TiO}_2$ - $\text{Nb}_2\text{O}_5$ Phases: Cation Ordering and Lithiation Behavior of $\text{TiNb}_{24}\text{O}_{62}$ . <i>Inorganic Chemistry</i> , 2017, 56, 4002-4010.	4.0	70
43	Untangling the Structure and Dynamics of Lithium-Rich Anti-Perovskites Envisaged as Solid Electrolytes for Batteries. <i>Chemistry of Materials</i> , 2018, 30, 8134-8144.	6.7	70
44	Chapter 242 Perovskite-Type Aluminates and Gallates. <i>Fundamental Theories of Physics</i> , 2009, 39, 113-295.	0.3	69
45	Evolution of microstructure and its relation to ionic conductivity in $\text{Li}_{1+x}\text{Al}_x\text{Ti}_2(\text{PO}_4)_3$ . <i>Solid State Ionics</i> , 2016, 288, 235-239.	2.7	68
46	Fatigue Process in Li-Ion Cells: An In Situ Combined Neutron Diffraction and Electrochemical Study. <i>Journal of the Electrochemical Society</i> , 2012, 159, A2082-A2088.	2.9	65
47	Homogeneity of lithium distribution in cylinder-type Li-ion batteries. <i>Scientific Reports</i> , 2016, 5, 18380.	3.3	62
48	Spatially resolved in operando neutron scattering studies on Li-ion batteries. <i>Journal of Power Sources</i> , 2014, 245, 678-683.	7.8	60
49	Anomalous influence of grain size on the global structure, ferroelectric and piezoelectric response of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ . <i>Acta Materialia</i> , 2017, 134, 177-187.	7.9	57
50	Engineering the Site Disorder and Lithium Distribution in the Lithium Superionic Argyrodite $\text{Li}_6\text{PS}_5\text{Br}$ . <i>Advanced Energy Materials</i> , 2021, 11, 2003369.	19.5	57
51	$\text{CrO}_A$		

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55	High-temperature properties of lithium tetraborate $\text{Li}_2\text{B}_4\text{O}_7$ . Journal Physics D: Applied Physics, 2012, 45, 175305.	2.8	50
56	Lithium-ion (de)intercalation mechanism in core-shell layered $\text{Li}(\text{Ni},\text{Co},\text{Mn})\text{O}_2$ cathode materials. Nano Energy, 2020, 78, 105231.	16.0	50
57	Fast Ionic Conductivity in the Most Lithium-Rich Phosphidosilicate $\text{Li}_{14}\text{SiP}_6$ . Journal of the American Chemical Society, 2019, 141, 14200-14209.	13.7	49
58	Investigation of capacity fade for 18650-type lithium-ion batteries cycled in different state of charge (SoC) ranges. Journal of Power Sources, 2021, 489, 229422.	7.8	48
59	Magnetic transitions and site-disordered induced weak ferromagnetism in $(1-x)\text{BiFeO}_3-x\text{PbTiO}_3$ . Physical Review B, 2014, 89, .	10.784314	50
60	P2 $\text{Na}_{0.67}\text{Mn}_{0.8}\text{Cu}_{0.1}\text{Mg}_{0.1}\text{O}_2$ as a new cathode material for sodium-ion batteries: Insights of the synergetic effects of multi-metal substitution and electrolyte optimization. Journal of Power Sources, 2019, 416, 184-192.	7.8	47
61	Synthesis, Characterization, and Comparison of Electrochemical Properties of $\text{LiM}_{0.5}\text{Mn}_{1.5}\text{O}_4$ (M=Fe, Co, Ni) at Different Temperatures. Journal of the Electrochemical Society, 2010, 157, A689.	2.9	46
62	Long ranged structural modulation in the pre-morphotropic phase boundary cubic-like state of the lead-free piezoelectric $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-BaTiO}_3$ . Journal of Applied Physics, 2013, 114, .	2.5	46
63	Competing structural phase transition scenarios in the giant tetragonality ferroelectric $\text{BiFeO}_3\text{-PbTiO}_3$ : Isostructural vs multiphase transition. Journal of Applied Physics, 2013, 113, .	2.5	46
64	Thermal properties of $\text{CaMoO}_4$ : Lattice dynamics and synchrotron powder diffraction studies. Physical Review B, 2006, 73, .	3.2	45
65	Truncated Octahedral High-Voltage Spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Cathode Materials for Lithium Ion Batteries: Positive Influences of Ni/Mn Disorder and Oxygen Vacancies. Journal of the Electrochemical Society, 2018, 165, A1886-A1896.	2.9	44
66	$\text{Sr}_3\text{CrN}_3$ : A New Electride with a Partially Filled $d$ -Shell Transition Metal. Journal of the American Chemical Society, 2019, 141, 10595-10598.	13.7	43
67	SPODI: High resolution powder diffractometer. Journal of Large-scale Research Facilities JLSRF, 0, 1, A5.	0.0	43
68	Neutron diffraction and observation of superconductivity for tungsten borides, WB and W2B4. Solid State Sciences, 2012, 14, 1656-1659.	3.2	40
69	Crystal structure of $\text{ZnWO}_4$ scintillator material in the range of 300-1423 K. Journal of Physics Condensed Matter, 2009, 21, 325402.	1.8	39
70	Bulk and Surface Structure and High-Temperature Thermoelectric Properties of Inverse Clathrate $\text{Ni}_3\text{S}_2$ in the $\text{Si}_3\text{P}_4\text{-Te}$ System. Chemistry - A European Journal, 2010, 16, 12582-12589.	3.3	39
71	$\text{Na}_3\text{Co}(\text{CO})_2$ . Physical Review B, 2014, 89, .	10.784314	39
72	Influence of the Lithium Substructure on the Diffusion Pathways and Transport Properties of the Thio-LISICON $\text{Li}_4\text{Ge}_2\text{Sn}_2\text{S}_4$ . Chemistry of Materials, 2019, 31, 3794-3802.	6.7	39

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73	High-pressure and high-temperature multianvil synthesis of metastable polymorphs of $\text{Bi}_2\text{Bi}_2\text{O}_{10}$ . Crystal structure and electronic properties. Physical Review B, 2010, 82, .	3.2	37
74	Low-temperature structural and Raman studies on rare-earth gallates. Physical Review B, 2003, 68, .	3.2	36
75	The absence of a stable hexagonal Laves phase modification ( $\text{NbCr}_2$ ) in the Nb-Cr system. Scripta Materialia, 2010, 62, 227-230.	5.2	35
76	Crystal structure, microstructure and reducibility of $\text{La}_{1-x}\text{Ni}_x\text{Co}_{1-x}\text{O}_3$ and $\text{La}_{1-x}\text{Fe}_x\text{Co}_{1-x}\text{O}_3$ Perovskites ( $0 < x < 0.5$ ). Journal of Solid State Chemistry, 2010, 183, 940-950.	2.9	35
77	$\text{Sc}_2\text{NiMnO}_6$ : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. Inorganic Chemistry, 2015, 54, 8012-8021.	4.0	35
78	Room-temperature tetragonal non-collinear Heusler antiferromagnet $\text{Pt}_2\text{MnGa}$ . Nature Communications, 2016, 7, 12671.	12.8	35
79	Evidence for cluster spin-glass phase with precursor short-range antiferromagnetic correlations in the $\text{B}_{1-x}\text{Co}_x\text{O}_3$ site-disordered $\text{B}_{1-x}\text{Co}_x\text{O}_3$		

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91	Long-period structural modulation on the global length scale as the characteristic feature of the morphotropic phase boundaries in the Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based lead-free piezoelectrics. Acta Materialia, 2019, 164, 749-760.	7.9	29
92	Thermal expansion of the perovskite-type NdGaO <sub>3</sub> . Journal of Alloys and Compounds, 2004, 382, 84-91.	5.5	28
93	Crystal structure and thermal expansion of PrGaO <sub>3</sub> in the temperature range 12–1253K. Journal of Solid State Chemistry, 2005, 178, 270-278.	2.9	28
94	Magneto-structural study of the multiferroic BiFeO <sub>3</sub> –SrTiO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2014, 365, 76-82.	2.3	28
95	Probing chemical heterogeneity of Li-ion batteries by in operando high energy X-ray diffraction radiography. Journal of Power Sources, 2018, 403, 49-55.	7.8	28
96	Structure and Diffusion Pathways in Li <sub>6</sub> PS <sub>5</sub> Cl Argpyrodite from Neutron Diffraction, Pair-Distribution Function Analysis, and NMR. Chemistry of Materials, 2020, 32, 8420-8430.	6.7	28
97	Depoling phenomena in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ . A structural perspective. Physical Review B, 2021, 103, .	3.2	28
98	Computational study of LnGaO <sub>3</sub> (Ln = La–Gd) perovskites. Journal of Physics Condensed Matter, 2005, 17, 6217-6234.	1.8	27
99	Phase transition from nonmodulated to long-period modulated tetragonal phase and anomalous change in ferroelectric properties in the lead-free piezoelectric $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ . Physical Review B, 2021, 103, .	3.2	27
100	Lithium Insertion into Li <sub>2</sub> MoO <sub>4</sub> : Reversible Formation of (Li <sub>3</sub> Mo)O <sub>4</sub> with a Disordered Rock-Salt Structure. Chemistry of Materials, 2015, 27, 4485-4492.	6.7	27
101	(De)Lithiation Mechanism of Hierarchically Layered LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathodes during High-Voltage Cycling. Journal of the Electrochemical Society, 2019, 166, A5025-A5032.	2.9	27
102	Fatigue in High-Energy Commercial Li Batteries while Cycling at Standard Conditions: An In Situ Neutron Powder Diffraction Study. ACS Applied Energy Materials, 2020, 3, 6611-6622.	5.1	27
103	Monin-type spin-reorientation transition below the Néel transition in the monoclinic compositions of $\text{Ba}_{1-x}\text{Bi}_x\text{TiO}_3$ . Physical Review B, 2013, 87, 014407.	3.2	26
104	A Combined Metal–Halide/Metal Flux Synthetic Route towards Type-I Clathrates: Crystal Structures and Thermoelectric Properties of A <sub>8</sub> Al <sub>8</sub> Si <sub>38</sub> (A=K, Rb, and Cs). Chemistry - A European Journal, 2014, 20, 15077-15088.	3.3	26
105	Structural perspective on the anomalous weak-field piezoelectric response at the polymorphic phase boundaries of $\text{Ba}_{1-x}\text{Bi}_x\text{TiO}_3$ . Physical Review B, 2013, 87, 014407.	3.2	26
106	Random lattice strain and its relaxation towards the morphotropic phase boundary of $\text{Ba}_{1-x}\text{Bi}_x\text{TiO}_3$ . Physical Review B, 2013, 87, 014407.	3.2	26
107	Inverse magnetocaloric effect in Mn <sub>2</sub> NiGa and Mn <sub>1.75</sub> Ni <sub>1.25</sub> Ga magnetic shape memory alloys. Applied Physics Letters, 2014, 104, 051905.	3.3	25
108	Effect of Zn doping on the antiferromagnetism in kagome $\text{Cu}_2\text{O}$ . Physical Review B, 2018, 98, .	2.5	25

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109	Neutron diffraction study of the magnetic-field-induced transition in Mn <sub>3</sub> GaC. Journal of Applied Physics, 2014, 115, 043913.	2.5	24
110	Nitrogen-Doping in ZnO via Combustion Synthesis?. Chemistry of Materials, 2015, 27, 4188-4195.	6.7	24
111	Structure, Magnetism, and the Magnetocaloric Effect of MnFe <sub>4</sub> Si <sub>3</sub> Single Crystals and Powder Samples. Chemistry of Materials, 2015, 27, 7128-7136.	6.7	24
112	Persistent low-temperature spin dynamics in the mixed-valence iridate $\text{BaO}_9\text{Mn}_3$ . Physical Review B, 2017, 96, .	3.2	24
113	Structure of the noncubic phase in the ferroelectric state of Pr-substituted $\text{SrTiO}_3$ . Physical Review B, 2009, 79, .	3.2	23
114	Large electromechanical response in ferroelectrics: Beyond the morphotropic phase boundary paradigm. Physical Review B, 2019, 100, .	3.2	23
115	Possible magnetic order and suppression of superconductivity by V doping in $\text{Sr}_2\text{Mn}_2\text{Mg}$ . Physical Review B, 2010, 82, .	3.2	22
116	Neutron diffraction study of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> at low temperatures. Solid State Sciences, 2014, 36, 101-106.	3.2	22
117	Single crystal growth of CeTAl <sub>3</sub> (T=Ag, Au, Pd and Pt). Journal of Alloys and Compounds, 2016, 688, 978-986.	5.5	22
118	Long-period modulated structure and electric-field-induced structural transformation in $\text{N}_a\text{Mn}_0.5\text{Ti}$ . Physical Review B, 2010, 82, .	3.2	22
119	Phase transition, crystal structure, and magnetic order in VOCl. Physical Review B, 2009, 80, .	3.2	21
120	Neutron diffraction investigation of the crystal and magnetic structures in $\text{KCrF}_3$ . Physical Review B, 2010, 82, .	3.2	21
121	Phases in the (1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td ( $\hat{x}$ )Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . Journal of Physics Condensed Matter, 2010, 22, 075901.	1.8	21
122	Neutron diffraction study of the coupling between spin, lattice, and structural degrees of freedom in 0.8BiFeO <sub>3</sub> -0.2PbTiO <sub>3</sub> . Journal of Applied Physics, 2011, 109, 063522.	2.5	21
123	Thermal structural properties of calcium tungstate. Journal of Applied Crystallography, 2011, 44, 319-326.	4.5	21
124	Lithium heterogeneities in cylinder-type Li-ion batteries – fatigue induced by cycling. Journal of Power Sources, 2020, 448, 227466.	7.8	21
125	In situ observation of the reaction of scandium and carbon by neutron diffraction. Journal of Alloys and Compounds, 2011, 509, 1-5.	5.5	20
126	Magnetic spin structure of pyroxene-type MnGeO <sub>3</sub> . Journal of Physics Condensed Matter, 2011, 23, 254202.	1.8	20



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127	coupling in the multiferroic Bi <sub>0.8</sub> Pb <sub>0.2</sub> Fe <sub>1-x</sub> Ln <sub>x</sub> O <sub>2</sub> layered hexagonal manganites. <i>Physical Review B</i> , 2014, 89, 080401.	3.2	20
128	Incommensurate antiferromagnetic order in the manifoldly-frustrated SrTb <sub>2</sub> O <sub>4</sub> with transition temperature up to 4.28 K. <i>Frontiers in Physics</i> , 2014, 2, 10.	2.1	20
129	Crystal structures of Na <sub>1/2</sub> Ln <sub>1/2</sub> TiO <sub>3</sub> (Ln: La, Eu, Tb). <i>Journal of Solid State Chemistry</i> , 2007, 180, 995-1001.	3.2	20
130	Crystal structures of Na <sub>1/2</sub> Ln <sub>1/2</sub> TiO <sub>3</sub> (Ln: La, Eu, Tb). <i>Journal of Solid State Chemistry</i> , 2007, 180, 995-1001.	2.9	19
131	Anomalous thermal expansion in rare-earth gallium perovskites: a comprehensive powder diffraction study. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 145405.	1.8	19
132	Oxygen Nonstoichiometry of Tetragonal La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4-δ</sub> (x = 0.15-1.2) and in Situ XPS Studies at Elevated Temperatures. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13362-13369.	2.5	19
133	The crystal structure and thermal expansion of the perovskite-type Nd <sub>0.75</sub> Sm <sub>0.25</sub> GaO <sub>3</sub> : powder diffraction and lattice dynamical studies. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 253-265.	3.2	19
134	The crystal structure and thermal expansion of the perovskite-type Nd <sub>0.75</sub> Sm <sub>0.25</sub> GaO <sub>3</sub> : powder diffraction and lattice dynamical studies. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 253-265.	1.8	18
135	Effect of iron doping on magnetic properties of Sr <sub>0.78</sub> Y <sub>0.22</sub> CoO <sub>2.625+δ</sub> -layered perovskite. <i>Journal of Materials Science</i> , 2009, 44, 5900-5908.	3.7	18
136	Two Stage Magnetic Ordering and Spin Idle Behavior of the Coordination Polymer Co <sub>3</sub> (OH) <sub>2</sub> (C <sub>4</sub> O <sub>4</sub> ) <sub>2</sub> ·3H <sub>2</sub> O Determined Using Neutron Diffraction. <i>Inorganic Chemistry</i> , 2011, 50, 2246-2251.	4.0	18
137	Low Temperature Crystal Structure Behaviour of Complex Yttrium Aluminium Oxides YAlO <sub>3</sub> and Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>Acta Physica Polonica A</i> , 2013, 124, 329-335.	3.2	18
138	Low Temperature Crystal Structure Behaviour of Complex Yttrium Aluminium Oxides YAlO <sub>3</sub> and Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>Acta Physica Polonica A</i> , 2013, 124, 329-335.	0.5	18
139	Maintaining local displacive disorders in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> piezoceramics by K <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> substitution. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1961-1972.	5.7	18
140	Putative spin-nematic phase in BaCdVO <sub>4</sub> . <i>Physical Review B</i> , 2019, 100, 080401.	1.2	18
141	Synthesis, Crystal Structure and Lithium Motion of Li <sub>8</sub> SeN <sub>2</sub> and Li <sub>8</sub> TeN <sub>2</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 936-946.	1.2	17
142	Layered Li <sub>x</sub> MoO <sub>2</sub> Phases with Different Composition for Electrochemical Application: Structural Considerations. <i>Chemistry of Materials</i> , 2011, 23, 3429-3441.	6.7	17
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279	In Operando Diffraction Radiography and Tomography on Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 323-323.	0.0	0