

# 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  
g-index

308  
all docs

308  
docs citations

308  
times ranked

11156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Turning Operations on the Formation of Rolling Bearing's Functional Surfaces. Lecture Notes in Mechanical Engineering, 2022, , 229-238.	0.4	4
2	Non-collinear magnetic structures in the magnetoelectric Swedenborgite CaBaFe <sub>4</sub> O <sub>7</sub> derived by powder and single-crystal neutron diffraction. SciPost Physics Core, 2022, 5, .	2.8	2
3	Magnetic properties of the noncentrosymmetric tetragonal antiferromagnet $\text{EuPtSi}_3$ . Physical Review Materials, 2022, 6, .	1.1	1
4	Methods of Spatially Resolved Diffraction Study of the Uniformity of a Li-Ion Pouch Cell. Journal of the Electrochemical Society, 2022, 169, 030518.	2.9	2
5	Data-driven capacity estimation of commercial lithium-ion batteries from voltage relaxation. Nature Communications, 2022, 13, 2261.	12.8	133
6	Energy landscape for Li-ion diffusion in the garnet-type solid electrolyte $\text{Li}_{6.5}\text{La}_3\text{Zr}_{1.5}\text{Nb}_{0.5}\text{O}_{12}$ (LLZO-Nb). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, 77, 453-462.	0.7	1
7	Correlating Structural Disorder to Li <sup>+</sup> Ion Transport in $\text{Li}_4\text{Ge}_1\text{Sb}_1\text{S}_4$ (0% $\gamma$ ). Tj ETQqb 1 0.784	1.0	1
8	In Operando Diffraction Radiography and Tomography on Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 323-323.	0.0	0
9	Heterogeneity of Graphite Lithiation in State-of-Charge Art Cylinder-Type Li-Ion Cells. Batteries and Supercaps, 2021, 4, 327-335.	4.7	8
10	Magnetic structures of $\text{Fe}_{32}\text{Ge}_{33}\text{As}_2$ and $\text{Fe}_{32}\text{Ge}_{35}\text{As}_2$ intermetallic compounds: a neutron diffraction and $^{57}\text{Fe}$ Mössbauer spectroscopy study. Dalton Transactions, 2021, 50, 2210-2220.	3.3	2
11	Synthesis, structure and diffusion pathways of fast lithium-ion conductors in the polymorphs $\text{Li}_8\text{SnP}_4$ . Journal of Materials Chemistry A, 2021, 9, 15254-15268.	10.3	8
12	Heterogeneity of Graphite Lithiation in State-of-Charge Art Cylinder-Type Li-Ion Cells. Batteries and Supercaps, 2021, 4, 251-251.	4.7	2
13	Structural and magnetic properties of the quantum magnet $\text{BaCuTe}_2\text{O}_6$ . Physical Review B, 2021, 103, .	3.2	3
14	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
15	Uniformity of Flat Li-Ion Batteries Studied by Diffraction and Imaging of X-rays and Neutrons. ACS Applied Energy Materials, 2021, 4, 3110-3117.	5.1	8
16	Hydroxyl Defects in $\text{LiFePO}_4$ Cathode Material: DFT+U and an Experimental Study. Inorganic Chemistry, 2021, 60, 5497-5506.	4.0	11
17	Depoling phenomena in $\text{Na}_{0.5}\text{MnO}_2$ A structural perspective. Physical Review B, 2021, 103, .	1.1	1
18	Effect of sintering temperature on the structural disorder and its influence on electromechanical properties of the morphotropic phase boundary composition $0.94\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3-0.06\text{BaTiO}_3$ (NBT-6BT). Journal of Materials Science: Materials in Electronics, 2021, 32, 16088-16103.	2.2	0

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19	Large nonlinear electrostrain and piezoelectric response in nonergodic $\text{O}_3$ . Physical Review Materials, 2021, 5, .	2.4	4
20	Bell-like $[\text{Ga}_5]$ clusters in $\text{Sr}_3\text{Li}_5\text{Ga}_5$ : synthesis, crystal structure and bonding analysis.. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1797-1803.	1.2	2
21	Managing Life Span of High-Energy $\text{LiNi}_{0.88}\text{Co}_{0.11}\text{Al}_{0.01}\text{O}_2$   Cathode Si Li-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9982-10002.	5.1	8
22	Lithium distribution and transfer in high-power 18650-type Li-ion cells at multiple length scales. Energy Storage Materials, 2021, 41, 546-553.	18.0	13
23	Engineering the Site Disorder and Lithium Distribution in the Lithium Superionic Argyrodite $\text{Li}_6\text{PS}_5\text{Br}$ . Advanced Energy Materials, 2021, 11, 2003369.	19.5	57
24	Powder diffraction computed tomography: a combined synchrotron and neutron study. Journal of Physics Condensed Matter, 2021, 33, 105901.	1.8	4
25	Preponderant influence of disordered $\text{P4bm}$ phase on the piezoelectricity of critical compositions of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{O}_3$ -based ferroelectrics. Physical Review B, 2021, 104, .	3.2	9
26	$\text{MnSnTeO}_6$ : A Chiral Antiferromagnet Prepared by a Two-Step Topotactic Transformation. Inorganic Chemistry, 2020, 59, 1532-1546.	4.0	0
27	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
28	Lithium heterogeneities in cylinder-type Li-ion batteries "fatigue induced by cycling. Journal of Power Sources, 2020, 448, 227466.	7.8	21
29	Effect of Oxygen Defects on the Structural Evolution of $\text{LiVPO}_4\text{F}$ Cathode Materials. ACS Applied Energy Materials, 2020, 3, 9750-9759.	5.1	2
30	$\text{TiNb}_2\text{O}_7$ and $\text{VNb}_9\text{O}_{25}$ of $\text{ReO}_3$ Type in Hybrid $\text{Mg-Li}$ Batteries: Electrochemical and Interfacial Insights. Journal of Physical Chemistry C, 2020, 124, 25239-25248.	3.1	5
31	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
32	Inhomogeneous distribution of lithium and electrolyte in aged Li-ion cylindrical cells. Journal of Power Sources, 2020, 475, 228690.	7.8	30
33	Magnetic Phase Diagram of $\text{Cu}_4\text{Zn}_x(\text{OH})_6\text{FBr}$ Studied by Neutron-Diffraction and $^{1/4}\text{SR}$ Techniques*. Chinese Physics Letters, 2020, 37, 107503.	3.3	11
34	Structure and Diffusion Pathways in $\text{Li}_6\text{PS}_5\text{Cl}$ Argyrodite from Neutron Diffraction, Pair-Distribution Function Analysis, and NMR. Chemistry of Materials, 2020, 32, 8420-8430.	6.7	28
35	Magnetically driven loss of centrosymmetry in metallic $\text{Pb}_{32}$ . Physical Review B, 2020, 102, .		
36	Relaxor ground state forced by ferroelastic instability in $\text{K}_0.5\text{Bi}_0.5\text{TiO}_3\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3$ . Physical Review B, 2020, 102, .	3.2	8

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37	Hydrogen influence in the UNiAl-UNiGa system: Structure and magnetism. Journal of Alloys and Compounds, 2020, 845, 155606.	5.5	2
38	Structural crossover from long period modulated to non-modulated cubic-like phase at cryogenic temperature in the morphotropic phase boundary of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> â€“BaTiO <sub>3</sub> . Journal of Applied Physics, 2020, 127, .	2.5	5
39	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
40	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
41	Magnetic enhancement of ferroelectric polarization in a particulate multiferroic composite derived <i>in situ</i> via additive assisted sintering of a pseudo ternary alloy system BiFeO <sub>3</sub> â€“PbTiO <sub>3</sub> â€“DyFeO <sub>3</sub> . Applied Physics Letters, 2020, 116, .	3.3	4
42	From Zintl to Wade: Ba <sub>3</sub> LiGa <sub>5</sub> â€“ A Structure Pattern with Pyramidal Cluster Chains â€“ [Ga <sub>5</sub> ] <sub>n</sub> . European Journal of Inorganic Chemistry, 2020, 2020, 2842-2849.	2.0	4
43	The quaternary system Sm-Fe-Mo-Al and the effect of Al substitution on magnetic and structural properties of its ThMn <sub>12</sub> phase. Journal of Alloys and Compounds, 2019, 770, 301-307.	5.5	11
44	Fast Ionic Conductivity in the Most Lithium-Rich Phosphidosilicate Li <sub>14</sub> SiP <sub>6</sub> . Journal of the American Chemical Society, 2019, 141, 14200-14209.	13.7	49
45	Superionic Diffusion through Frustrated Energy Landscape. Chem, 2019, 5, 2450-2460.	11.7	92
46	â€œHydrotriphylitesâ€“ Li <sub>1-x</sub> Fe <sub>1+x</sub> (PO <sub>4</sub> ) <sub>2</sub> as Cathode Materials for Li-ion Batteries. Chemistry of Materials, 2019, 31, 5035-5046.	4.1	43
47	Putative spin-nematic phase in BaCdVO <sub>4</sub> increasing intervention of nonferroelectric distortion and weakening of ferroelectricity at the morphotropic phase boundary in N <sub>a</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> system. ChemistryOpen, 2019, 8, 74-83.	1.9	16
48	Increasing intervention of nonferroelectric distortion and weakening of ferroelectricity at the morphotropic phase boundary in N <sub>a</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> system. ChemistryOpen, 2019, 8, 74-83.	3.2	13
49	Large electromechanical response in ferroelectrics: Beyond the morphotropic phase boundary paradigm. Physical Review B, 2019, 100, .	3.2	23
50	Oxoâ€“Hydroxoferrate K <sub>2</sub> Fe <sub>4</sub> O <sub>7</sub> (OH): Hydroflux Synthesis, Chemical and Thermal Instability, Crystal and Magnetic Structures. ChemistryOpen, 2019, 8, 74-83.	1.9	16
51	From cluster spin-glass phase with proximity to magnetic correlations in the B-site disordered		

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55	In operando studies of rotating prismatic Li-ion batteries using monochromatic wide-angle neutron diffraction. <i>Journal of Energy Storage</i> , 2019, 24, 100772.	8.1	15
56	Structural and magnetic properties of $\text{Li}_4\text{Ge}_2\text{Sn}_4\text{S}_4$ . <i>Acta Materialia</i> , 2019, 172, 131-138.	7.9	15
57	Influence of the Lithium Substructure on the Diffusion Pathways and Transport Properties of the Thio-LISICON $\text{Li}_4\text{Ge}_2\text{Sn}_4\text{S}_4$ . <i>Chemistry of Materials</i> , 2019, 31, 3794-3802.	6.7	39
58	P2 Type $\text{Na}_{0.67}\text{Mn}_{0.8}\text{Cu}_{0.1}\text{Mg}_{0.1}\text{O}_2$ as a new cathode material for sodium-ion batteries: Insights of the synergetic effects of multi-metal substitution and electrolyte optimization. <i>Journal of Power Sources</i> , 2019, 416, 184-192.	7.8	47
59	Origin of ferroelectricity in orthorhombic $\text{LuFeO}_3$ . <i>Physical Review B</i> , 2019, 100, ..	3.2	14
60	Structural insights into the formation and voltage degradation of lithium- and manganese-rich layered oxides. <i>Nature Communications</i> , 2019, 10, 5365.	12.8	166
61	(De)Lithiation Mechanism of Hierarchically Layered $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathodes during High-Voltage Cycling. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5025-A5032.	2.9	27
62	Long-period structural modulation on the global length scale as the characteristic feature of the morphotropic phase boundaries in the $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ based lead-free piezoelectrics. <i>Acta Materialia</i> , 2019, 164, 749-760.	7.9	29
63	The role of synthesis conditions for structural defects and lattice strain in $\text{Li}^2\text{-TaON}$ and their effect on photo- and photoelectrocatalysis. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 71-83.	0.7	6
64	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered $\text{Li}[\text{Li}_{0.2}\text{Ni}_{0.2}\text{Mn}_{0.6}]\text{O}_2$ Oxides. <i>Advanced Energy Materials</i> , 2019, 9, 1803094.	19.5	78
65	Correlating Transport and Structural Properties in $\text{Li}_{1+x}\text{Al}_x\text{Ge}_{2-x}(\text{PO}_4)_3$ (LAGP) Prepared from Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10935-10944.	8.0	75
66	Electrostrain in excess of 1% in polycrystalline piezoelectrics. <i>Nature Materials</i> , 2018, 17, 427-431.	27.5	180
67	Magnetic structure of the swedenborgite $\text{CaBa}_7\text{O}_{17}$ derived by unpolarized neutron diffraction and spherical neutron polarimetry. <i>Physical Review B</i> , 2018, 97, ..	3.2	8
68	Crystal structure and magnetism of the $\text{Fe}_x\text{Ni}_{8-x}\text{Si}_3$ materials, $0 \leq x \leq 8$ . <i>Solid State Sciences</i> , 2018, 76, 57-64.	3.2	1
69	Effect of Si substitution on the structural and transport properties of superionic Li-argyrodites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 645-651.	10.3	128
70	Lock-in spin structures and ferrimagnetism in polar $\text{Ni}_2\text{Co}_x\text{ScSbO}_6$ oxides. <i>Chemical Communications</i> , 2018, 54, 12523-12526.	4.1	7
71	Lithium-ion Batteries Reconstructing a 3-D Image Using Neutron Computed Tomography. <i>ATZelektronik Worldwide</i> , 2018, 13, 50-55.	0.1	2
72	Probing chemical heterogeneity of Li-ion batteries by in operando high energy X-ray diffraction radiography. <i>Journal of Power Sources</i> , 2018, 403, 49-55.	7.8	28

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73	Irreversible Made Reversible: Increasing the Electrochemical Capacity by Understanding the Structural Transformations of $\text{Na}_{0.5}\text{Co}_{0.5}\text{Ti}_{0.5}\text{O}_2$ . ACS Applied Materials & Interfaces, 2018, 10, 36108-36119.	8.0	10
74	Untangling the Structure and Dynamics of Lithium-Rich Anti-Perovskites Envisaged as Solid Electrolytes for Batteries. Chemistry of Materials, 2018, 30, 8134-8144.	6.7	70
75	Effect of Zn doping on the antiferromagnetism in kagome $\text{Cu}_2\text{Sb}_4$ . Physical Review B, 2018, 98, .	2.5	25
76	Inducing High Ionic Conductivity in the Lithium Superionic Argyrodites $\text{Li}_6\text{P}_5\text{Ge}_5\text{S}_{30}$ for All-Solid-State Batteries. Journal of the American Chemical Society, 2018, 140, 16330-16339.	13.7	331
77	Enhanced thermal stability of dielectric, energy storage, and discharge efficiency in a structurally frustrated piezoelectric system: Erbium modified $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-BaTiO}_3$ . Journal of Applied Physics, 2018, 124, .	3.2	19
78	Enhanced thermal stability of dielectric, energy storage, and discharge efficiency in a structurally frustrated piezoelectric system: Erbium modified $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-BaTiO}_3$ . Journal of Applied Physics, 2018, 124, .	2.5	11
79	Thermal properties of 2:1 bismuth borate: Temperature-dependent characterizations of lone electron pairs. Journal of the American Ceramic Society, 2018, 102, 2154.	3.8	2
80	$\text{Li}^+$ -ion Dynamics in $\hat{1}^2\text{-Li}_3\text{PS}_4$ Observed by NMR: Local Hopping and Long-Range Transport. Journal of Physical Chemistry C, 2018, 122, 15954-15965.	3.1	76
81	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
82	Thermal Structural Behavior of Electrodes in Li-Ion Battery Studied In Operando. Journal of the Electrochemical Society, 2018, 165, A1975-A1982.	2.9	13
83	Energy research with neutrons (ErWiN) and installation of a fast neutron powder diffraction option at the MLZ, Germany. Journal of Applied Crystallography, 2018, 51, 591-595.	4.5	13
84	Crystal and Magnetic Structures of the Chain Antiferromagnet $\text{CaFe}_4\text{Al}_8$ . Inorganic Chemistry, 2018, 57, 5820-5829.	4.0	2
85	High-pressure investigations on the semi-Heusler compound $\text{CuMnSb}$ . Physical Review B, 2018, 98, .	3.2	4
86	Canted antiferromagnetism in phase-pure $\text{CuMnSb}$ . Physical Review Materials, 2018, 2, .	2.4	14
87	MLZ Conference: Neutrons for Energy. Neutron News, 2017, 28, 4-5.	0.2	0
88	Effect of fatigue/ageing on the lithium distribution in cylinder-type Li-ion batteries. Journal of Power Sources, 2017, 348, 145-149.	7.8	33
89	Magnetic glass state and magnetoresistance in $\text{SrLaFeCoO}_6$ double perovskite. Journal of Physics Condensed Matter, 2017, 29, 095801.	1.8	10
90	Flux Synthesis, Crystal Structures, and Magnetic Ordering of the Rare-Earth Chromium(II) Oxyselenides $\text{RE}_2\text{CrSe}_2\text{O}_2$ (RE = La-Nd). Inorganic Chemistry, 2017, 56, 2241-2247.	4.0	5

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91	Physical properties and lattice dynamics of bixbyite-type $V_2O_3$ . Journal of Materials Research, 2017, 32, 2397-2404.	2.6	3
92	Structural and Magnetic Properties of the Trirutile-type 1D-Heisenberg Anti-Ferromagnet $CuTa_2O_6$ . Inorganic Chemistry, 2017, 56, 6318-6329.	4.0	13
93	Synthesis, Structural Characterization, and Lithium Ion Conductivity of the Lithium Thiophosphate $Li_2P_2S_6$ . Inorganic Chemistry, 2017, 56, 6681-6687.	4.0	98
94	Anomalous influence of grain size on the global structure, ferroelectric and piezoelectric response of $Na_0.5Bi_0.5TiO_3$ . Acta Materialia, 2017, 134, 177-187.	7.9	57
95	A neutron diffraction study of crystal and low-temperature magnetic structures within the (Na,Li)FeGe $2O_6$ pyroxene-type solid solution series. Physics and Chemistry of Minerals, 2017, 44, 669-684.	0.8	5
96	Structural Stability from Crystallographic Shear in $TiO_2$ - $Nb_2O_5$ Phases: Cation Ordering and Lithiation Behavior of $TiNb_{24}O_{62}$ . Inorganic Chemistry, 2017, 56, 4002-4010.	4.0	70
97	Crystal chemical characterization of mullite-type aluminum borate compounds. Journal of Solid State Chemistry, 2017, 247, 173-187.	2.9	16
98	Structural perspective on the anomalous weak-field piezoelectric response at the polymorphic phase boundaries of $Ba_3O_3$ . Physical Review B, 2017, 96, .	3.2	26
99	Influence of Lattice Polarizability on the Ionic Conductivity in the Lithium Superionic Argyrodites $Li_6PS_5X$ (X = Cl, Br, I). Journal of the American Chemical Society, 2017, 139, 10909-10918.	13.7	446
100	Thermal behavior of mullite between 4 K and 1320 K. Journal of the American Ceramic Society, 2017, 100, 5259-5273.	3.8	14
101	Molybdenum Oxide Nitrides of the $Mo_2(O,N,\delta-i)_5$ Type: On the Way to $Mo_2O_5$ . Inorganic Chemistry, 2017, 56, 8782-8792.	4.0	4
102	Persistent low-temperature spin dynamics in the mixed-valence iridate $Ba_3O_9$ . Physical Review B, 2017, 96, .	3.2	24
103	Charge Transfer and Structural Anomaly in Stoichiometric Layered Perovskite $Sr_2Co_{0.5}Ir_{0.5}O_4$ . European Journal of Inorganic Chemistry, 2017, 2017, 587-595.	2.0	16
104	Single crystal growth of $CeAl_3$ ( $T\hat{A}=\hat{A}Cu, Ag, Au, Pd$ and $Pt$ ). Journal of Alloys and Compounds, 2016, 688, 978-986.	5.5	22
105	Homogeneity of lithium distribution in cylinder-type Li-ion batteries. Scientific Reports, 2016, 5, 18380.	3.3	62
106	Interferroelectric transition as another manifestation of intrinsic size effect in ferroelectrics. Physical Review B, 2016, 94, .	3.2	8
107	Formation, stability and crystal structure of mullite-type $Al_6^{x}BxO_9$ . Journal of Solid State Chemistry, 2016, 243, 124-135.	2.9	17
108	Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites $LuMn_3O_{12}$ . Physical Review B, 2016, 94, .	3.2	20

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109	Structural Insights and 3D Diffusion Pathways within the Lithium Superionic Conductor $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ . Chemistry of Materials, 2016, 28, 5905-5915.	6.7	176
110	Monoclinic $\hat{2}$ - $\text{Li}_2\text{TiO}_3$ : Neutron diffraction study and estimation of Li diffusion pathways. Solid State Sciences, 2016, 61, 161-166.	3.2	8
111	Long-period modulated structure and electric field-induced structural transformation in $\text{Ba}_2\text{Ti}_2\text{O}_7$ . Chemistry of Materials, 2016, 28, 5905-5915.	3.2	22
112	Room-temperature tetragonal non-collinear Heusler antiferromagnet $\text{Pt}_2\text{MnGa}$ . Nature Communications, 2016, 7, 12671.	12.8	35
113	Evolution of microstructure and its relation to ionic conductivity in $\text{Li}_{1+x}\text{Al}_x\text{Ti}_2\text{O}_7(\text{PO}_4)_3$ . Solid State Ionics, 2016, 288, 235-239.	2.7	68
114	$\text{LiCuS}$ , an intermediate phase in the electrochemical conversion reaction of $\text{CuS}$ with $\text{Li}$ : A potential environment-friendly battery and solar cell material. Solid State Sciences, 2016, 55, 83-87.	3.2	9
115	Crystal Structure of Garnet-Related Li-Ion Conductor $\text{Li}_7\text{Ga}_3\text{La}_3\text{Zr}_2\text{O}_{12}$ : Fast Li-Ion Conduction Caused by a Different Cubic Modification?. Chemistry of Materials, 2016, 28, 1861-1871.	6.7	168
116	Maintaining local displacive disorders in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ piezoceramics by $\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ substitution. Journal of the European Ceramic Society, 2016, 36, 1961-1972.	5.7	18
117	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.	4.0	188
118	Magnetic properties of the In-doped $\text{MnWO}_4$ -type solid solutions $\text{Mn}_{1-3x}\text{In}_x\text{WO}_4$ [ $x$ =vacancy; $0 \leq x \leq 0.11$ ]. Journal of Magnetism and Magnetic Materials, 2016, 398, 167-173.	2.3	10
119	Structural discovery from non-modulated to long-period modulated tetragonal phase and anomalous change in ferroelectric properties in the lead-free piezoelectric $\text{Ba}_2\text{Ti}_2\text{O}_7$ . Chemistry of Materials, 2016, 28, 5905-5915.	3.2	27
120	Structural and Magnetic Characterization of Single-phase $\text{Sponge-like Bulk Fe}_{16}\text{N}_2$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 348-354.	1.2	16
121	Nitrogen-Doping in $\text{ZnO}$ via Combustion Synthesis?. Chemistry of Materials, 2015, 27, 4188-4195.	6.7	24
122	Lithium Insertion into $\text{Li}_2\text{MoO}_4$ : Reversible Formation of $(\text{Li}_3\text{Mo})\text{O}_4$ with a Disordered Rock-Salt Structure. Chemistry of Materials, 2015, 27, 4485-4492.	6.7	27
123	Extraordinary enhancement of $\text{N}^{\text{el}}$ transition temperature in nanoparticles of multiferroic tetragonal compositions of $(1-x)\text{BiFeO}_3-x\text{PbTiO}_3$ solid solutions. Applied Physics Letters, 2015, 106, 093103.	3.3	11
124	Low-temperature performance of Li-ion batteries: The behavior of lithiated graphite. Journal of Power Sources, 2015, 282, 235-240.	7.8	166
125	Crystal structure determination of incommensurate modulated martensite in $\text{NiMnIn}$ Heusler alloys. Acta Materialia, 2015, 88, 375-388.	7.9	83
126	Polarization switching and high piezoelectric response in Sn-modified $\text{BaTiO}_3$ . Physical Review B, 2015, 91, .	3.2	81



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127	Structural and magnetic phase transitions in the synthetic clinopyroxene LiCrGe <sub>2</sub> O <sub>6</sub> : a neutron diffraction study between 0.5 and 1473ÅK. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 491-507.	0.8	6
128	Sc <sub>2</sub> NiMnO <sub>6</sub> : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. <i>Inorganic Chemistry</i> , 2015, 54, 8012-8021.	4.0	35
129	Spin dynamics and spin freezing at ferromagnetic quantum phase transitions. <i>European Physical Journal: Special Topics</i> , 2015, 224, 1041-1060.	2.6	10
130	Lithium Diffusion Pathways in 3R-Li <sub>x</sub> TiS <sub>2</sub> : A Combined Neutron Diffraction and Computational Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11370-11381.	3.1	16
131	Magnetic spin-flop transition and interlayer spin-wave dispersion in PrCaFeO <sub>4</sub> by neutron diffraction and inelastic neutron scattering. <i>Physical Review B</i> , 2015, 91, .	1.2	1
132	Battery research as progress pacemaker. <i>Neutron News</i> , 2015, 26, 29-32.	0.2	0
133	The High-Temperature Transformation from 1T- to 3R-Li <sub>x</sub> TiS <sub>2</sub> (x=0.7,0.9) as Observed <i>in situ</i> with Neutron Powder Diffraction. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1275-1288.	2.8	8
134	Metastable monoclinic and orthorhombic phases and electric field induced irreversible phase transformation at room temperature in the lead-free classical ferroelectric BaTiO <sub>3</sub> . <i>Physical Review B</i> , 2015, 91, .	3.2	55
135	Structure, Magnetism, and the Magnetocaloric Effect of MnFe <sub>4</sub> Si <sub>3</sub> Single Crystals and Powder Samples. <i>Chemistry of Materials</i> , 2015, 27, 7128-7136.	6.7	24
136	Absence of magnetic ordering in the ground state of a SrTm <sub>2</sub> O <sub>4</sub> single crystal. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7658-7668.	5.5	9
137	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, .	2.1	20
138	Equilibrium phases in the multiferroic BiFeO <sub>3</sub> -PbTiO <sub>3</sub> system – a revisit. <i>EPJ Web of Conferences</i> , 2014, 75, 09003.	0.3	2
139	Space group symmetries of the phases of (Pb <sub>0.94</sub> Sr <sub>0.06</sub> )(Zr <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> across the antiferrodistortive phase transition in the composition range 0.620 ≤ x ≤ 0.940. <i>Physical Review B</i> , 2014, 90, .	3.2	3
140	Orthorhombic-tetragonal phase coexistence and enhanced piezo-response at room temperature in Zr, Sn, and Hf modified BaTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2014, 104, .	3.3	129
141	On the Formation Mechanism of Chromium Nitrides: An <i>in situ</i> Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2801-2808.	1.2	16
142	Magneto-structural study of the multiferroic BiFeO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 365, 76-82.	2.3	28
143	Understanding structural changes in NMC Li-ion cells by <i>in situ</i> neutron diffraction. <i>Journal of Power Sources</i> , 2014, 255, 197-203.	7.8	210
144	Neutron diffraction study of the magnetic-field-induced transition in Mn <sub>3</sub> GaC. <i>Journal of Applied Physics</i> , 2014, 115, 043913.	2.5	24

#	ARTICLE	IF	CITATIONS
145	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
146	Magnetic transitions and site-disordered induced weak ferromagnetism in (1-x)Tb <sub>1-x</sub> Er <sub>x</sub> Fe <sub>2</sub> O <sub>7</sub> . Physical Review B, 2014, 89, .		
147	Oxygen-driven competition between low-dimensional structures of Sr <sub>3</sub> CoMo <sub>6</sub> and Sr <sub>3</sub> CoMo <sub>7</sub> with M = Ru, Ir. Dalton Transactions, 2014, 43, 13883.	3.3	10
148	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
149	New findings on N-mayenite and a new kind of anion substituted mayenite: Ca <sub>12</sub> Al <sub>14</sub> O <sub>32</sub> (NO <sub>2</sub> ) <sub>2</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 427-434.	0.8	8
150	Spatially resolved in operando neutron scattering studies on Li-ion batteries. Journal of Power Sources, 2014, 245, 678-683.	7.8	60
151	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). Lead-free piezoelectric system (Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> ). Journal of Applied Physics, 2013, 114, .	3.3	26
152	Evidence for weak ferromagnetism, isostructural phase transition, and linear magnetoelectric coupling in the multiferroic Bi <sub>2</sub> Fe <sub>4</sub> O <sub>13</sub> . Physical Review B, 2013, 88, .	3.2	185
153	Weak magnetism and the Mott state of vanadium in superconducting Sr <sub>2</sub> VO <sub>2</sub> FeAs. Physical Review B, 2013, 88, .	3.2	20
154	Structural Changes in the LiCrMnO <sub>4</sub> Cathode Material during Electrochemical Li Extraction and Insertion. Journal of the Electrochemical Society, 2013, 160, A3082-A3089.	3.2	12
155	Local structural disorder and its influence on the average global structure and polar properties in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . Journal of Applied Physics, 2013, 114, .	2.9	16
156	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.	3.2	194
157	Long ranged structural modulation in the pre-morphotropic phase boundary cubic-like state of the lead-free piezoelectric Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> . Journal of Applied Physics, 2013, 114, .	13.8	489
158	Lithium Intercalation into Graphitic Carbons Revisited: Experimental Evidence for Twisted Bilayer Behavior. Journal of the Electrochemical Society, 2013, 160, A3198-A3205.	2.5	46
159	New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the Fe <sub>122</sub> iron-based superconductors. Nature Communications, 2013, 4, 1442.	2.9	114
160	Coexistence of magnetic order and spin glass in the pyrochlore antiferromagnet Na <sub>3</sub> Co <sub>2</sub> (CO <sub>3</sub> ) <sub>2</sub> . Physical Review B, 2013, 87, .	12.8	154
161	The magnetic structure of Co(NCNH <sub>2</sub> ) <sub>2</sub> as determined by (spin-polarized) neutron diffraction. Journal of Solid State Chemistry, 2013, 202, 149-153.	3.0	97
162		2.9	3

#	ARTICLE	IF	CITATIONS
163	of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \langle \text{mml:math} \rangle$	3.2	26
164	Crystal and magnetic spin structure of Germanium-Hedenbergite, CaFeGe <sub>2</sub> O <sub>6</sub> , and a comparison with other magnetic/magnetolectric/multiferroic pyroxenes. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 140-150.	0.8	11
165	Competing structural phase transition scenarios in the giant tetragonality ferroelectric BiFeO <sub>3</sub> -PbTiO <sub>3</sub> : Isostructural vs multiphase transition. Journal of Applied Physics, 2013, 113, .	2.5	46
166	Polymorphic phase boundaries and enhanced piezoelectric response in extended composition range in the lead free ferroelectric BaTi <sub>1-x</sub> Zr <sub>x</sub> O <sub>3</sub> . Journal of Applied Physics, 2013, 114, .	2.5	70
167	Neutron diffraction and <sup>11</sup> B solid state NMR studies of the crystal structure of B-doped mullite. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, , 130521045435006.	0.8	3
168	Low Temperature Crystal Structure Behaviour of Complex Yttrium Aluminium Oxides YAIO <sub>3</sub> and Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . Acta Physica Polonica A, 2013, 124, 329-335.	0.5	18
169	Confirmation of the monoclinic Cc space group for the ground state phase of Pb(Zr <sub>0.525</sub> Ti <sub>0.475</sub> )O <sub>3</sub> : A combined synchrotron X-ray and neutron powder diffraction study. Applied Physics Letters, 2013, 102, .	3.3	14
170	Structural properties and incommensurate magnetic order in BiFeO <sub>3</sub> and PbTiO <sub>3</sub> solid solutions. , 2012, , .		0
171	Fatigue processes in commercial LiCoO <sub>2</sub> batteries: In situ neutron diffraction and electrochemical study. , 2012, , .		0
172	Magnetic and low-temperature structural behavior of clinopyroxene-type FeGeO <sub>3</sub> : A neutron diffraction, magnetic susceptibility, and <sup>57</sup> Fe Mossbauer study. American Mineralogist, 2012, 97, 694-706.	1.9	12
173	Spin-Valve-Like Magnetoresistance in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ and Sr $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$	3.2	30
174	Magnetic properties and crystal structure of Sr <sub>3</sub> Co <sub>2</sub> Os <sub>2</sub> B <sub>3</sub> . $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ and Sr $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$	3.2	30
175	Neutron Diffraction at Metal Borides, Ru <sub>2</sub> B <sub>3</sub> and Os <sub>2</sub> B <sub>3</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2078-2080.	1.2	15
176	High temperature structure and properties of lithium niobate. , 2012, , .		3
177			

#	ARTICLE	IF	CITATIONS
181	Synthesis and Crystal Structure of the Highly Reduced Metalate $\text{Ba}_3[\text{Ir}(\text{CN})_3]$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1959-1961.	1.2	7
182	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
183	Structural Transformation with "Negative Volume Expansion": Chemical Bonding and Physical Behavior of $\text{TiGePt}$ . Chemistry - A European Journal, 2012, 18, 6272-6283.	3.3	16
184	"In-operando" neutron scattering studies on Li-ion batteries. Journal of Power Sources, 2012, 203, 126-129.	7.8	126
185	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.	1.6	206
186	Order/disorder in $\text{YbNi}_{1-x}\text{Ga}_2$ ( $x \leq 0.08$ ): Crystal structure, thermal expansion and magnetic properties. Solid State Sciences, 2012, 14, 746-760.	3.2	9
187	From order to disorder: The structure of lithium-conducting garnets $\text{Li}_7\text{La}_3\text{Ta}_x\text{Zr}_{2-x}\text{O}_{12}$ ( $x = 0-2$ ). Solid State Ionics, 2012, 206, 33-38.	2.7	159
188	Investigation of the nature of the unusual magnetic behavior of $\text{La}_{0.65}\text{Nd}_{0.35}\text{Mn}_2\text{Si}_2$ compound by neutron diffraction study. Journal of Magnetism and Magnetic Materials, 2012, 324, 622-630.	2.3	8
189	Two Stage Magnetic Ordering and Spin Idle Behavior of the Coordination Polymer $\text{Co}_3(\text{OH})_2(\text{C}_4\text{O}_4)_2\text{H}_2\text{O}$ Determined Using Neutron Diffraction. Inorganic Chemistry, 2011, 50, 2246-2251.	4.0	18
190	Layered $\text{Li}_x\text{MoO}_2$ Phases with Different Composition for Electrochemical Application: Structural Considerations. Chemistry of Materials, 2011, 23, 3429-3441.	6.7	17
191	Ferroelectric and antiferrodistortive phase transition in the multiferroic $(\text{Bi}_{0.8}\text{Ba}_{0.2})(\text{Fe}_{0.8}\text{Ti}_{0.2})\text{O}_3$ : A high temperature neutron powder diffraction study. Journal of Applied Physics, 2011, 110, .	2.5	8
192	Change of the effective spin degeneracy in $\text{CeNi}_9\text{Cu}_4\text{Ge}_4$ due to the interplay between Kondo and crystal field effects. Europhysics Letters, 2011, 93, 37006.	2.0	4
193	Neutron diffraction study of the coupling between spin, lattice, and structural degrees of freedom in $0.8\text{BiFeO}_3-0.2\text{PbTiO}_3$ . Journal of Applied Physics, 2011, 109, 063522.	2.5	21
194			

#	ARTICLE	IF	CITATIONS
199	Reply to comments on the absence of a stable hexagonal Laves phase modification (NbCr <sub>2</sub> ) in the Nb-Cr system. Scripta Materialia, 2011, 64, 994-997.	5.2	9
200	Magnetic ordering in Mn <sub>3</sub> Sb determined by neutron diffraction data. Journal of Surface Investigation, 2011, 5, 109-112.	0.5	5
201	Nuclear and incommensurate magnetic structure of NaFeGe <sub>2</sub> O <sub>6</sub> between 5 Å and 298 Å and new data on multiferroic NaFeSi <sub>2</sub> O <sub>6</sub> . Physics and Chemistry of Minerals, 2011, 38, 139-157.	0.8	34
202	Thermal structural properties of calcium tungstate. Journal of Applied Crystallography, 2011, 44, 319-326.	4.5	21
203	Orthomolybdates in the Cs <sub>4</sub> Fe(MoO <sub>4</sub> ) <sub>3</sub> , Cs <sub>2</sub> Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> and CsFe <sub>5</sub> (MoO <sub>4</sub> ) <sub>7</sub> . European Journal of Inorganic Chemistry, 2011, 2011, 2832-2841.	2.0	15
204	Structural and magnetic properties of Sc <sub>1.1</sub> Fe <sub>3.9</sub> Al <sub>8</sub> alloy. Journal of Magnetism and Magnetic Materials, 2011, 323, 1860-1867.	2.3	4
205	Magnetic spin structure of pyroxene-type MnGeO <sub>3</sub> . Journal of Physics Condensed Matter, 2011, 23, 254202.	1.8	20
206	Temperature-dependent neutron diffraction on TiI <sub>3</sub> . Zeitschrift für Kristallographie, 2011, 226, 640-645.	1.1	2
207	Magnetostrictive Néel ordering of the spin compound BaMn <sub>5</sub> O <sub>18</sub> . Magnetic order, transport and infrared optical properties in the compound BaMn <sub>5</sub> O <sub>18</sub> .	3.2	18
208	display="inline"><mml:mi>A</mml:mi></mml:math>CrO<mml:math display="inline"><mml:msub><mml:mrow>		

#	ARTICLE	IF	CITATIONS
217	Nitrides with Inverse K <sub>2</sub> [NiF <sub>4</sub> ] Structure: (R <sub>1-x</sub> Ca <sub>3+x</sub> N <sub>1-x/3</sub> )Bi <sub>2</sub> with R = Rare-Earth Metal. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1222-1228.	1.2	5
218	Synthesis, Crystal Structure and Lithium Motion of Li <sub>8</sub> SeN <sub>2</sub> and Li <sub>8</sub> TeN <sub>2</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 936-946.	1.2	17
219	High-pressure and high-temperature multianvil synthesis of metastable polymorphs of $\text{Bi}_2$ . Crystal structure and electronic properties. Physical Review B, 2010, 82, .	3.2	37
220	Neutron diffraction investigation of the crystal and magnetic structures in $\text{KCrF}_3$ . Physical Review B, 2010, 82, .	3.2	21
221	Low-temperature crystal structure, specific heat, and dielectric properties of lithium tetraborate Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> . Journal of Applied Physics, 2010, 108, .	2.5	29
222	Simultaneous changes of nuclear and magnetic structures across the morphotropic phase boundary in (1-x)BiFeO <sub>3</sub> -xPbTiO <sub>3</sub> . Applied Physics Letters, 2010, 97, .	3.3	31
223	Temperature and composition dependence of crystal structures and magnetic and electronic properties of the double perovskites $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ( $x = 0.15$ -1.2) and in Situ XPS Studies at Elevated Temperatures. Physical Review B, 2010, 82, .	3.2	74
224	Phases in the (1-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
225	Oxygen Nonstoichiometry of Tetragonal $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ( $x = 0.15$ -1.2) and in Situ XPS Studies at Elevated Temperatures. Journal of Physical Chemistry A, 2010, 114, 13362-13369.	2.5	19
226	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
227	Synthesis, Characterization, and Comparison of Electrochemical Properties of LiM <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> (M=Fe, Co, Ni) at Different Temperatures. Journal of the Electrochemical Society, 2010, 157, A689.	2.9	46
228	The Role of Oxygen Stoichiometry on Phase Stability, Structure, and Magnetic Properties of Sr <sub>2</sub> Co <sub>0.6</sub> . Inorganic Chemistry, 2010, 49, 10348-10356.	4.0	15
229	Possible magnetic order and suppression of superconductivity by V doping in $\text{Sr}_2$ . Physical Review B, 2010, 82, .	3.2	22
230	Disorder and Diffusion in Mayenite. Acta Physica Polonica A, 2010, 117, 38-41.	0.5	14
231	Phase transition, crystal structure, and magnetic order in VOCl. Physical Review B, 2009, 80, .	3.2	21
232	Structure of the noncubic phase in the ferroelectric state of Pr-substituted $\text{SrTiO}_3$ . Physical Review B, 2009, 79, .	3.2	23
233	Degenerate rhombohedral and orthorhombic states in Ca-substituted Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . Applied Physics Letters, 2009, 95, .	3.3	31
234	Chapter 242 Perovskite-Type Aluminates and Gallates. Fundamental Theories of Physics, 2009, 39, 113-295.	0.3	69

#	ARTICLE	IF	CITATIONS
235	Magneto-structural study of a Cr-doped CaRuO <sub>3</sub> . Journal of Physics Condensed Matter, 2009, 21, 326001.	1.8	3
236	Powder diffraction studies of pressure-induced instabilities in orthorhombic LnGaO <sub>3</sub> . Zeitschrift für Kristallographie, Supplement, 2009, 2009, 341-346.	0.5	5
237	Anomalous thermal expansion in rare-earth gallium perovskites: a comprehensive powder diffraction study. Journal of Physics Condensed Matter, 2009, 21, 145405.	1.8	19
238	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
239	Structure and properties of $\hat{I}\pm$ -AgFe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> . Solid State Sciences, 2009, 11, 1137-1143.	3.2	6
240	Effect of iron doping on magnetic properties of Sr <sub>0.78</sub> Y <sub>0.22</sub> CoO <sub>2.625</sub> + $\hat{I}$ -layered perovskite. Journal of Materials Science, 2009, 44, 5900-5908.	3.7	18
241	Crystal structure and magnetic properties of Li,Cr-containing molybdates Li <sub>3</sub> Cr(MoO <sub>4</sub> ) <sub>3</sub> , LiCr(MoO <sub>4</sub> ) <sub>2</sub> and Li <sub>1.8</sub> Cr <sub>1.2</sub> (MoO <sub>4</sub> ) <sub>3</sub> . Journal of Solid State Chemistry, 2009, 182, 3262-3268.	2.9	30
242	Structural phase transition study of the morphotropic phase boundary compositions of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> â€“PbTiO <sub>3</sub> . Journal of Physics Condensed Matter, 2009, 21, 375902.	1.8	11
243	Effect of the synthesis route on the microstructure and the reducibility of LaCoO <sub>3</sub> . Journal of Alloys and Compounds, 2009, 480, 279-285.	5.5	30
244	Crystal structure of ZnWO <sub>4</sub> scintillator material in the range of 3â€“1423 K. Journal of Physics Condensed Matter, 2009, 21, 325402.	1.8	39
245	Structures and properties of variously doped Mayenite investigated by neutron and synchrotron powder diffraction. Zeitschrift für Kristallographie, Supplement, 2009, 2009, 323-328.	0.5	12
246	The magnetic structures of double tungstates, NaM(WO <sub>4</sub> ) <sub>2</sub> , M=Fe, Cr: Examples for superexchange couplings mediated by [NaO <sub>6</sub> ]-octahedra. Journal of Magnetism and Magnetic Materials, 2008, 320, 3251-3255.	2.3	11
247	Magnetic structure of the inverse perovskite (Ce <sub>3</sub> N)In. Solid State Sciences, 2008, 10, 1910-1915.	3.2	15
248	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ : An Anomalous Antiferromagnetic Metallic Oxide. Physical Review Letters, 2008, 101, 167204.	7.8	82
249	Phase transitions in jalpaite, Ag <sub>3</sub> CuS <sub>2</sub> . Journal of Physics Condensed Matter, 2008, 20, 455204.	1.8	8
250	Structure and phase transition of Na <sub>0.5</sub> La <sub>0.5</sub> TiO <sub>3</sub> . Journal of Physics Condensed Matter, 2008, 20, 505215.	1.8	12
251	Onset of spontaneous electrostrictive strain below 520 K in Pr-doped $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mh} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2008, 78, .	3.2	15
252	Crystal chemistry, structure and magnetic properties of the Cu(Mo <sub>b</sub> W <sub>1-a</sub> )O <sub>4</sub> solid solution series. Philosophical Magazine, 2008, 88, 1235-1258.	1.6	7

#	ARTICLE	IF	CITATIONS
253	Proton positions in and thermal behaviour of the phase $4 \text{CaO} \cdot 3 \text{Al}_2\text{O}_3 \cdot 3 \text{H}_2\text{O}$ and its thermal decomposition to $[(\text{OCa}_4)_2] [\text{Al}_{12}\text{O}_{24}]$ -SOD, determined by neutron/X-ray powder diffraction and IR spectroscopic investigations. <i>Zeitschrift für Kristallographie</i> , 2007, 222, 365-375.	1.1	8
254	Structural stability of conducting oxide $\text{CaRuO}_3$ at high temperatures. <i>Applied Physics Letters</i> , 2007, 90, 251913.	3.3	12
255	High-temperature thermal expansion and structural behaviour of stromeyerite, $\text{AgCuS}$ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 136204.	1.8	15
256	Scientific Review: The Structure Powder Diffractometer SPODI. <i>Neutron News</i> , 2007, 18, 23-26.	0.2	76
257	High-temperature neutron powder diffraction study of scandia/nitrogen co-doped zirconia. <i>Zeitschrift für Kristallographie</i> , 2007, 222, .	1.1	3
258	Crystalline electric field and lattice contributions to thermodynamic properties of $\text{PrGaO}_3$ : specific heat and thermal expansion. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 156214.	1.8	8
259	$\text{CeAlO}_3$ 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
260	Increase of ionic conductivity in the microporous lithosilicate RUB-29 by Na-ion exchange processes. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3366-3380.	2.9	4
261	Structure and oxygen mobility in mayenite ( $\text{Ca}_{12}\text{Al}_{14}\text{O}_{33}$ ): a high-temperature neutron powder diffraction study. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 675-682.	1.8	126
262	$\text{M}_2\text{B}_5$ or $\text{M}_2\text{B}_4$ ? A Reinvestigation of the Mo/B and W/B System. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2626-2630.	1.2	95
263	Crystal structures of $\text{Na}_{1/2}\text{Ln}_{1/2}\text{TiO}_3$ (Ln: La, Eu, Tb). <i>Journal of Solid State Chemistry</i> , 2007, 180, 995-1001.	2.9	19
264	Crystal structures of high temperature quantum paraelectrics $\text{Na}_{1/2}\text{Nd}_{1/2}\text{TiO}_3$ and $\text{Na}_{1/2}\text{Pr}_{1/2}\text{TiO}_3$ . <i>Journal of Physics Condensed Matter</i> , 2006, 18, L515-L522.	1.8	12
265	Phases in the system $\text{Na}_{1/2}\text{Nd}_{1/2}\text{TiO}_3$ - $\text{SrTiO}_3$ : a powder neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 9679-9690.	1.8	11
266	Thermal properties of $\text{CaMoO}_4$ : Lattice dynamics and synchrotron powder diffraction studies. <i>Physical Review B</i> , 2006, 73, .	3.2	45
267	Thermal expansion and atomic vibrations in $\text{CaWO}_4$ studied by neutron and synchrotron powder diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s117-s117.	0.3	1
268	Thermal Expansion of the Perovskite-Type $\text{NdGaO}_3$ . <i>ChemInform</i> , 2005, 36, no.	0.0	0
269	Crystal structure and thermal expansion of $\text{PrGaO}_3$ in the temperature range 12-1253K. <i>Journal of Solid State Chemistry</i> , 2005, 178, 270-278.	2.9	28
270	Computational study of $\text{LnGaO}_3$ (Ln = La-Gd) perovskites. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6217-6234.	1.8	27



#	ARTICLE	IF	CITATIONS
271	Lattice dynamics and thermal properties of CaWO <sub>4</sub> . Physical Review B, 2004, 70, .	3.2	51
272	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. Journal of Physics Condensed Matter, 2004, 16, 253-265.	1.8	18
273	Thermal expansion of the perovskite-type NdGaO <sub>3</sub> . Journal of Alloys and Compounds, 2004, 382, 84-91.	5.5	28
274	Crystal structure, thermal expansion and conductivity of anisotropic La <sup>1-x</sup> Sr <sub>x</sub> Ga <sup>1-2x</sup> Mg <sub>2x</sub> O <sub>3</sub> <sup>y</sup> (x=0.05, 0.1) single crystals. Journal of Solid State Chemistry, 2003, 172, 396-411.	2.9	54
275	Low-temperature structural and Raman studies on rare-earth gallates. Physical Review B, 2003, 68, .	3.2	36
276	White beam synchrotron X-ray topography studies of twinning in GdFeO <sub>3</sub> -type perovskite crystals. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .	0.8	7
277	Powder diffraction in external electric and magnetic fields. , 0, , 174-188.		1
278	Atomic Order Along the Half- to Full-Heusler Transition in Ni <sub>1+x</sub> MnSb. Physica Status Solidi (B): Basic Research, 0, , 2100174.	1.5	0
279	SPODI: High resolution powder diffractometer. Journal of Large-scale Research Facilities JLSRF, 0, 1, A5.	0.0	43