

Denis Sheptyakov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermal, structural and transport properties of the fast oxide-ion conductors La $_{2-x}$ R $_x$ Mo $_2$ O $_9$ (R=Nd, Y) Tj ETQq1 1	0.784314	172
2	Crystalchemistry and Oxide Ion Conductivity in the Lanthanum Oxygenapatite Series. Chemistry of Materials, 2003, 15, 2099-2108.	3.2	110
3	Interstitial oxygen in oxygen-stoichiometric apatites. Journal of Materials Chemistry, 2005, 15, 2489.	6.7	106
4	Structure and Absence of Ferroelectricity in SmFeO_3 . Physical Review Letters, 2014, 113, 217203.	2.9	105
5	Pressure-Induced Quantum Phase Transition in the Spin-Liquid TiCuCl_3 . Physical Review Letters, 2004, 93, 257201.	2.9	98
6	Structures and Phase Transition of Vaterite-Type Rare Earth Orthoborates: A Neutron Diffraction Study. Chemistry of Materials, 2004, 16, 2418-2424.	3.2	96
7	High-temperature order-disorder transition and polaronic conductivity in $\text{PrBaCo}_2\text{O}_{5.48}$. Physical Review B, 2006, 73, .	1.1	93
8	Structure of $\text{Ca}(\text{BD}_4)_2$ $\hat{\Gamma}_2$ -Phase from Combined Neutron and Synchrotron X-ray Powder Diffraction Data and Density Functional Calculations. Journal of Physical Chemistry B, 2008, 112, 8042-8048.	1.2	91
9	DN-12 time-of-flight high-pressure neutron spectrometer for investigation of microsamples. Physica B: Condensed Matter, 1999, 265, 258-262.	1.3	89
10	Iron-vacancy superstructure and possible room-temperature antiferromagnetic order in superconducting CsFe_2O_7 . Physical Review Letters, 2005, 95, 077201.	1.1	88
11	High Oxide Ion Conductivity in Al-Doped Germanium Oxyapatite. Chemistry of Materials, 2005, 17, 596-600.	3.2	84
12	Unexpected Mechanism of Zn^{2+} Insertion in Calcium Phosphate Bioceramics. Chemistry of Materials, 2011, 23, 3072-3085.	3.2	84
13	Crystal Structures and in-Situ Formation Study of Mayenite Electrides. Inorganic Chemistry, 2007, 46, 4167-4176.	1.9	82
14	Crystal and magnetic structure of the $\text{Ca}_3\text{Mn}_2\text{O}_7$ Ruddlesden-Popper phase: neutron and synchrotron x-ray diffraction study. Journal of Physics Condensed Matter, 2004, 16, 5339-5348.	0.7	69
15	Evidence for the band ferromagnetism in SrRuO_3 from neutron diffraction. Journal of Magnetism and Magnetic Materials, 2006, 305, 491-496.	1.0	69
16	Dynamical properties and temperature induced molecular disordering of LiBH_4 . Physical Review B, 2008, 78, .	1.1	69
17	High Li ion conductivity in a garnet-type solid electrolyte via unusual site occupation of the doping Ca ions. Materials and Design, 2016, 93, 232-237.	3.3	67
18	Simultaneous antiferromagnetic Fe^{3+} and Nd^{3+} ordering in $\text{NdFe}_3(11\text{BO}_3)_4$. Journal of Physics Condensed Matter, 2006, 18, 7975-7989.	0.7	65

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19	Long-scale phase separation versus homogeneous magnetic state in $(\text{La}_{1-y}\text{Pr}_y)\text{O}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$: A neutron diffraction study. <i>Physical Review B</i> , 2001, 64, .	1.1	62
20	On the Decomposition of Synthetic Gibbsite Studied by Neutron Thermodiffraction. <i>Journal of the American Ceramic Society</i> , 2006, 89, 3728-3733. http://www.w3.org/1998/Math/MathML	1.9	60
21	$\text{Ion Diffusion Inherently Linked to Structural Transitions in } \text{Na}^+ \text{ } \text{CoO}$ http://www.w3.org/1998/Math/MathML <i>Physical Review Letters</i> , 2013, 110, 266401.	2.9	59
22	Silicon Location in Silicate-Substituted Calcium Phosphate Ceramics Determined by Neutron Diffraction. <i>Crystal Growth and Design</i> , 2011, 11, 4017-4026. http://www.w3.org/1998/Math/MathML	1.4	58
23	$\text{Iridate } \text{J}^{\text{III}} \text{O}_0 \text{ } \text{Ba}^{\text{II}} \text{ } \text{Zn}^{\text{II}} \text{ } \text{O}_9$ http://www.w3.org/1998/Math/MathML <i>Physical Review</i>	2.9	58
24	Effect of oxygen isotope substitution on the magnetic structure of $(\text{La}_{0.25}\text{Pr}_{0.75})\text{O}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Physical Review B</i> , 1999, 60, 383-387.	1.1	54
25	Synthesis and Crystal Structure of Novel Layered Manganese Oxide $\text{Ca}_2\text{MnGaO}_5$. <i>Journal of Solid State Chemistry</i> , 2001, 158, 100-111.	1.4	51
26	Fluoride solid electrolytes: investigation of the tysonite-type solid solutions $\text{La}_x\text{Ba}_{1-x}\text{F}_3$ ($x < 0.15$). <i>Dalton Transactions</i> , 2015, 44, 19625-19635.	1.6	51
27	Quantitative phase analysis in microstructures which display multiple step martensitic transformations in Ni-rich NiTi shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 593-596.	2.6	50
28	Hydrogen Sorption in $\text{Li}_{12}\text{C}_{60}$. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22598-22602.	1.5	49
29	Single-Ion Anisotropy and Exchange Interactions in the Cyano-Bridged Trimers $\text{Mn}^{\text{III}}_2\text{M}^{\text{III}}(\text{CN})_6$ ($\text{M}^{\text{III}} = \text{Co, Cr, Fe}$) Species Incorporating $[\text{Mn}(\text{5-Brsalen})]^{+}$ Units: An Inelastic Neutron Scattering and Magnetic Susceptibility Study. <i>Inorganic Chemistry</i> , 2009, 48, 128-137.	1.9	48
30	Competition between ferromagnetic and antiferromagnetic ground states in multiferroic BiMnO_3 at high pressures. <i>Physical Review B</i> , 2010, 82, .	1.1	48
31	Magnetic ordering and spin excitations in the frustrated magnet MnSc_2S_4 . <i>Physical Review B</i> , 2006, 73, .	1.1	47
32	Reversible hydrogen absorption in sodium intercalated fullerenes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14307-14314.	3.8	47
33	On the effect of aging on martensitic transformations in Ni-rich NiTi shape memory alloys. <i>Smart Materials and Structures</i> , 2005, 14, S186-S191.	1.8	46
34	$\text{Nd}^{\text{II}} \text{O}_7$ An all-out pyrochlore magnet with no divergence-free field and anomalously slow paramagnetic spin dynamics. <i>Physical Review B</i> , 2015, 92, .	1.1	45
35	Enhancement of T_{c} in $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8$ by fluorination. <i>Physical Review B</i> , 2001, 63, .	1.1	44
36	Improved electrochemical performances of Li-rich nickel cobalt manganese oxide by partial substitution of Li^+ by Mg^{2+} . <i>Journal of Power Sources</i> , 2017, 359, 27-36.	4.0	44

#	ARTICLE	IF	CITATIONS
37	The synthesis, and crystal and magnetic structure of the iron selenide BaFe_2Se_3 with possible superconductivity at $T_c = 11$ K. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 402201.	0.7	43
38	Anion- π and Halide-Halide Nonbonding Interactions in a New Ionic Liquid Based on Imidazolium Cation with Three-Dimensional Magnetic Ordering in the Solid State. <i>Inorganic Chemistry</i> , 2014, 53, 8384-8396.	1.9	43
39	Microstructure, surface composition and chemical stability of partly ordered LaTiO_2N . <i>Solid State Sciences</i> , 2009, 11, 1513-1519.	1.5	42
40	Tuning magnetic spirals beyond room temperature with chemical disorder. <i>Nature Communications</i> , 2016, 7, 13758.	5.8	42
41	Structure of $\text{HgBa}_2\text{CuO}_4 + \delta$ (0.06 δ <math>< 0.19</math>) at ambient and high pressure. <i>Physical Review B</i> , 1999, 59, 7209-7215.	1.1	40
42	The AFeO_2 (A=K, Rb and Cs) family: A comparative study of structures and structural phase transitions. <i>Journal of Solid State Chemistry</i> , 2010, 183, 752-759.	1.4	40
43	Oxygen Self-Doping in Hollandite-Type Vanadium Oxyhydroxide Nanorods. <i>Journal of the American Chemical Society</i> , 2008, 130, 11364-11375.	6.6	39
44	Correlation of chemical coordination and magnetic ordering in $\langle \text{mml:math} \text{xmlns:mml} = \text{"http://www.w3.org/1998/Math/MathML"} \rangle$		

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55	Evolution of (La 1 - y Pr y) 0.7 Ca 0.3 MnO 3 crystal structure with A-cation size, temperature, and oxygen isotope substitution. European Physical Journal B, 2001, 19, 215-223.	0.6	31
56	Ionic conductivity in the Mg intercalated fullerene polymer Mg2C60. Carbon, 2013, 51, 143-147.	5.4	31
57	Mechanistic and Kinetic Study of the Electrochemical Charge and Discharge of La2MgNi9 by in Situ Powder Neutron Diffraction. Journal of Physical Chemistry C, 2014, 118, 12162-12169.	1.5	31
58	Crystal structure evolution <i>via</i> operando neutron diffraction during long-term cycling of a customized 5 V full Li-ion cylindrical cell LiNi _{0.5} Mn _{1.5} O ₄ vs. graphite. Journal of Materials Chemistry A, 2017, 5, 25574-25582.	5.2	31
59	Interplay between structural and magnetic phase transitions in copper ferrite studied with high-resolution neutron diffraction. Journal of Magnetism and Magnetic Materials, 2015, 374, 591-599.	1.0	30
60	Operando Neutron Powder Diffraction Using Cylindrical Cell Design: The Case of LiNi0.5Mn1.5O4 vs Graphite. Journal of Physical Chemistry C, 2016, 120, 17268-17273.	1.5	30
61	A Cylindrical Cell for Operando Neutron Diffraction of Li-Ion Battery Electrode Materials. Frontiers in Energy Research, 2018, 6, .	1.2	30
62	Low temperature crystal structures of apatite oxygen-conductors containing interstitial oxygen. Dalton Transactions, 2007, , 2058-2064.	1.6	29
63	Crystal structure, phase transition, and magnetic ordering in perovskitelike $PbMn_2O_7$. First-principles calculation and experimental investigation of lattice dynamics in the rare-earth pyrochlores R_2O_7 .	1.1	29
64			

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73	Slicing the Perovskite Structure with Crystallographic Shear Planes: The $A_nB_nO_{3n+2}$ Homologous Series. <i>Inorganic Chemistry</i> , 2010, 49, 9508-9516. Frustrated pentagonal Cairo lattice in the non-collinear antiferromagnet $Bi_4Fe_5O_{16}$	1.9	23
74	Local study of the insulating quantum Kagome antiferromagnets YCu_3O_x and $Bi_4Fe_5O_{16}$	1.1	23
75	Cr-Doped Li-Rich Nickel Cobalt Manganese Oxide as a Positive Electrode Material in Li-Ion Batteries to Enhance Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 8646-8657.	2.5	23
76	Design of magnetic spirals in layered perovskites: Extending the stability range far beyond room temperature. <i>Science Advances</i> , 2018, 4, eaau6386.	4.7	22
77	Physical Review Materials, 2019, 3, .	0.2	20
78	On the high-temperature phase of barbituric acid. <i>CrystEngComm</i> , 2012, 14, 3046.	1.3	21
79			

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91	Magnetic structure of NdMnO ₃ consistently doped with Sr and Ru. <i>Physical Review B</i> , 2004, 70, .	1.1	17
92	Magnetic states and the crystal volume of Nd _{2/3} Ca _{1/3} MnO ₃ : analysis of phase transformations. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 787-792.	1.0	17
93	Crystal growth features and properties of layered rare earth and barium cobaltates. <i>Crystal Research and Technology</i> , 2005, 40, 395-399.	0.6	17
94	Magnetic ordering in DyRhSn. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 296, 89-93.	1.0	17
95	On the elusive nature of oxygen binding at coordinatively unsaturated 3d transition metal centers in metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26346-26357.	1.3	17
96	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO ₃ . <i>Nature Communications</i> , 2021, 12, 1917.	5.8	17
97	Neutron scattering study of PbMg _{1/3} Ta _{2/3} O ₃ and BaMg _{1/3} Ta _{2/3} O ₃ complex perovskites. <i>European Physical Journal B</i> , 2004, 40, 235-241.	0.6	16
98	Layer-preferential substitutions and magnetic properties of pyrrhotite-type Fe ₇ M _{1-x} X ₈ chalcogenides (X = S, Se, Te). <i>Journal of Applied Physics</i> , 2000, 88, 7000-7005.	0.0	16
99	Lithium Iron Methylene diphosphonate: A Model Material for New Organic-Inorganic Hybrid Positive Electrode Materials for Li Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 7889-7895.	3.2	16
100	Real disordered crystal structure and Curie temperature of intermetallic compounds Y ₂ Fe ₁₇ xM _x (M = Si or Al). <i>Journal of Alloys and Compounds</i> , 2001, 315, 82-89.	2.8	15
101	Hydrothermal synthesis of anisotropic alkali and alkaline earth vanadates. <i>Journal of Materials Research</i> , 2007, 22, 5-18.	1.2	15
102	Layered Oxichlorides [PbBiO ₂] _A n+1[BnO ₃ n-1Cl ₂] (A = Pb/Bi, B = Fe/Ti): Intergrowth of the Hematophanite and Sillen Phases. <i>Chemistry of Materials</i> , 2015, 27, 2946-2956.	3.2	15
103	Stroboscopic neutron diffraction applied to fast time-resolved <i>operando</i> studies on Li-ion batteries (d-LiNi _{0.5} Mn _{1.5} O ₄ vs. graphite). <i>Journal of Materials Chemistry A</i> , 2020, 8, 1288-1297.	5.2	15
104	Primary crystallization fields, growth features and properties of rare earth and barium-based cobaltates. <i>Journal of Crystal Growth</i> , 2005, 275, e813-e818.	0.7	14
105	Directional metal-hydrogen bonding in interstitial hydrides. <i>Journal of Alloys and Compounds</i> , 2006, 413, 106-113.	2.8	14
106	Structure of calcium aluminate decahydrate (CaAl ₂ O ₄ ·10D ₂ O) from neutron and X-ray powder diffraction data. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 850-861.	1.8	14
107	Structural properties determined from high-resolution synchrotron powder diffraction. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1188-1192.	1.4	14
108	Effect of Y-doping on the magnetic and charge orderings in Nd _{2/3} Ca _{1/3} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 316-320.	1.0	14

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109	Sr ₆ Mg ₇ H ₂₆ , a new saline high-pressure hydride with Ba ₆ Zn ₇ F ₂₆ -type structure. Journal of Alloys and Compounds, 2003, 356-357, 128-132.	2.8	13
110	Crystal and magnetic structures of the spin-trimer compounds $\text{Ca}_3\text{Cu}_3\text{M}_3\text{X}_3$		

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127	Crystal structure of the low-temperature forms of cesium and rubidium orthophosphates. <i>Inorganic Materials</i> , 2008, 44, 646-652.	0.2	10
128	Synthesis, structural characterization and Li ⁺ ion conductivity of a new vanado-molybdate phase, LiMg ₃ VMo ₂ O ₁₂ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 2589-2597.	1.4	10
129	High-Temperature Behavior and Polymorphism in Novel Members of the Perovskite Family Pb ₂ LnSbO ₆ (Ln = Ho, Er, Yb, Lu). <i>Inorganic Chemistry</i> , 2011, 50, 5545-5557.	1.9	10
130	Structural and Magnetic Phase Transitions in the A _x B _{3-2x} O _{3-2x} Anion-Deficient Perovskites Pb ₂ Ba ₂ BiFe ₅ O ₁₃ and Pb _{1.5} Ba _{2.5} Bi ₂ Fe ₆ O ₁₆ . <i>Inorganic Chemistry</i> , 2013, 52, 7834-7843.	1.9	10
131	Characterization of selenium in UO ₂ spent nuclear fuel by micro X-ray absorption spectroscopy and its thermodynamic stability. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1760-1768.	1.7	10
132	Crystal and magnetic structure of the Sm _{0.55} Sr _{0.45} MnO ₃ and (Nd _{0.545} Tb _{0.455}) _{0.55} Sr _{0.45} MnO ₃ manganites. <i>Physics of the Solid State</i> , 2004, 46, 1704-1710.	0.2	9
133	Pb _{2.85} Ba _{2.15} Fe ₄ SnO ₁₃ : A new member of the AnBnO _{3n-2} anion-deficient perovskite-based homologous series. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3150-3157.	1.4	9
134	Hydrogenation induced valence change and metal atom site exchange at room temperature in the C14-type sub-structure of CeMn _{1.8} Al _{0.2} H _{4.4} . <i>Journal of Alloys and Compounds</i> , 2003, 356-357, 673-678.	2.8	8
135	Magnetic Field Dependence of Excitations Near Spin-Orbital Quantum Criticality. <i>Physical Review Letters</i> , 2017, 118, 067205.	2.9	8
136	Low Temperature Phases of Na ₂ Ti ₃ Cl ₈ Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2063-2069.	0.6	8
137	Switching the magnetostructural coupling in MnCoGe-based magnetocaloric materials. <i>Physical Review Materials</i> , 2020, 4, .	0.9	8
138	Effect of isotopic composition and microstructure on the crystalline and magnetic phase states in R _{0.5} Sr _{0.5} MnO ₃ . <i>Journal of Experimental and Theoretical Physics</i> , 2008, 106, 528-541.	0.2	7
139	Magnetic ordering in Fe _{1.087} Te under pressure. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	7
140	Magnetic order in the quasi-one-dimensional Ising system RbCoCl_2 . <i>Physical Review B</i> , 2021, 103, .		
141	Computational Chemistry-Guided Syntheses and Crystal Structures of the Heavier Lanthanide Hydride Oxides Dy ₂ HO, Er ₂ HO, and Lu ₂ HO. <i>Crystals</i> , 2021, 11, 750.	1.0	7
142	Structural disorder and magnetic correlations driven by oxygen doping in Nd ₂ Ni ₂ O ₄ +x. <i>Physical Review B</i> , 2021, 103, .		

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145	Crystal Structure and Magnetic Properties of the Novel Oxide Pb ₂ V ₅ O ₁₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 2143.	0.6	6
146	Magnetostructural phase separation and giant isotope effect in R _{0.5} Sr _{0.5} MnO ₃ . JETP Letters, 2005, 82, 594-598.	0.4	6
147	Neutron diffraction study of the magnetic structure of Na ₂ RuO ₄ . European Physical Journal B, 2006, 52, 371-376.	0.6	6
148	Where the atoms are: Cation disorder and anion displacement in Al _{1-x} Bi _x VI ₂ semiconductors. Physica B: Condensed Matter, 2006, 385-386, 571-573.	1.3	6
149	Multi-step magnetic ordering in frustrated thiospinel MnSc ₂ S ₄ . Journal of Physics Condensed Matter, 2007, 19, 145262.	0.7	6
150	Crystal structure of ErFe ₂ D _{3.1} and ErFe ₂ H _{3.1} at 450K. Journal of Alloys and Compounds, 2010, 508, 348-353.	2.8	6
151	Evidence for the strong effect of quenched correlated disorder on phase separation and magnetism in (La _{1-y} Pr _y) _{0.7} Ca _{0.3} MnO ₃ . Journal of Physics Condensed Matter, 2010, 22, 115601.	0.7	6
152	Localization and Impact of Pb-Non-Bonded Electronic Pair on the Crystal and Electronic Structure of Pb ₂ YSbO ₆ . Inorganic Chemistry, 2014, 53, 5609-5618.	1.9	6
153	Low temperature crystal structure and local magnetometry for the geometrically frustrated pyrochlore Tb ₂ Ti ₂ O ₇ . Journal of Physics: Conference Series, 2014, 551, 012021.	0.3	6
154	Stabilization of the tetragonal structure in Ba _{1-x} Bi _x VI ₂ semiconductors. Physical Review B, 2016, 93, .	1.1	6
155	Atomic and magnetic structure of perovskite manganites: A-cation size and oxygen isotope substitution effects and homogeneity of magnetic state. Physica B: Condensed Matter, 2000, 276-278, 536-539.	1.3	5
156	Comparative Studies of the Structure and Microstructure of Zn _{2-x} (CuB ^{III}) _{1-x} X ₂ Semiconductors (B ^{III} =Ca,In; X=S,Se,Te). Materials Research Society Symposia Proceedings, 2007, 1012, 1.	0.1	5
157	Antiferromagnetic square-modulated structure in HoRhSn. Solid State Communications, 2010, 150, 1291-1294.	0.9	5
158	Structural and magnetic properties of La _{0.5} Ba _{0.5} CoO _{3-δ} cobaltites. Journal of Physics: Conference Series, 2012, 391, 012106.	0.3	5
159	Influence of disorder on the structural phase transition and magnetic interactions in Ba _{3-δ} Sr _{δ} Cr ₂ O ₈ . Physical Review B, 2014, 90, .	1.1	5
160	Chemical pressure effects on crystal and magnetic structures of bilayer manganites Pr ₂ Mn ₂ O ₇ (A=0,0.1,0.2,0.3,0.4,0.5,0.6,0.7,0.8,0.9,1.0) and Ba _{2-x} Bi _x VI ₂ semiconductors. Journal of Physics: Conference Series, 2016, 732, 012001.	1.1	5
161	Fe and Co methylene diphosphonates as conversion materials for Li-ion batteries. Journal of Power Sources, 2017, 342, 879-885.	4.0	5
162	Atomic and magnetic structures, and unconventional superexchange interactions in Sr ₂ GaMnO ₅₊ (0<x<0.5) and Sr ₂ GaMn(O,F) ₆ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 820-822.	1.0	4

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163	Hydrogen Absorption in Transition Metal Silicides: La ₃ Pd ₅ Si-Hydrogen System. Inorganic Chemistry, 2008, 47, 6303-6313.	1.9	4
164	Low-temperature thermal expansion in sphalerite-type and chalcopyrite-type multinary semiconductors. Journal of Physics Condensed Matter, 2008, 20, 104245.	0.7	4
165	Phase diagram of SrO ϵ –InO _{1.5} –CoO _x and a new compound Sr ₃ In _{0.9} Co _{1.1} O ₆ . Journal of Solid State Chemistry, 2011, 184, 888-892.	1.4	4
166	Ligand influence in Li-ion battery hybrid active materials: Ni methylenediphosphonate vs. Ni dimethylamino methylenediphosphonate. Chemical Communications, 2017, 53, 5420-5423.	2.2	4
167	Crystal and Magnetic Structure Transitions in BiMnO ₃ + \uparrow Ceramics Driven by Cation Vacancies and Temperature. Materials, 2021, 14, 5805.	1.3	4
168	Effect of fluorination on the structure and properties of Hg-based superconducting Cu mixed oxides. Physica C: Superconductivity and Its Applications, 2000, 341-348, 579-580.	0.6	3
169	Investigation of Nd ₂ CuO ₄ crystal structure at high pressure by neutron diffraction. High Pressure Research, 2000, 17, 201-207.	0.4	3
170	Anomalous structural behaviour of Zn-doped LiV ₂ O ₄ . Physica B: Condensed Matter, 2004, 350, E297-E299.	1.3	3
171	Comparative study of the magnetic phase diagrams of (La _{1-x} Y _x) _{0.7} Ca _{0.3} MnO ₃ with oxygen isotopes ¹⁶ O and ¹⁸ O. Physica B: Condensed Matter, 2004, 350, E1-E3.	1.3	3
172	Atomic and magnetic structures, phase separation, and unconventional superexchange interactions in Sr ₂ GaMnO _{5+x} (0<x<0.5) and Sr ₂ GaMn(O,F) ₆ . Physica B: Condensed Matter, 2004, 350, E23-E26.	1.3	3
173	Synthesis and Properties of Barium Ferrigermanate Ba ₂ Fe ₂ GeO ₇ . Physics of the Solid State, 2005, 47, 2114.	0.2	3
174	The synthesis, and crystal and magnetic structure of the iron selenide BaFe ₂ Se ₃ with possible superconductivity at T _c = 11 K. Journal of Physics Condensed Matter, 2012, 24, 059502.	0.7	3
175	Investigation of microstrain in dispersion-strengthened steels. Physics of the Solid State, 2014, 56, 166-170.	0.2	3
176	Oxygen isotope effects on lattice properties of La _{2-x} Ba _x CuO ₄ (x=1/8). Physical Review B, 2015, 92, . Complex antiferromagnetic order in the garnet $\langle \text{mml:math} \text{xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle \text{C} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle \text{o} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle 3 \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle \text{A} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle \text{L} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle 2 \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant=} \text{"normal"} \rangle \text{C}$	1.1	3
177	Investigation of the Hg-1201 structure under external pressure up to 5 GPa by means of neutron powder diffraction. Physica B: Condensed Matter, 1997, 234-236, 940-941.	1.1	3
178	Investigation of the Hg-1201 structure under external pressure up to 5 GPa by means of neutron powder diffraction. Physica B: Condensed Matter, 1997, 234-236, 940-941.	1.3	2
179	Magnetic and structural properties of Y ₂ Fe ₁₅ Si ₁₇ alloy under high pressure. High Pressure Research, 2000, 17, 193-200.	0.4	2
180	Exchange interactions and magnetic subsystems in Nd _{2/3} Ca _{1/3} MnO ₃ : analysis of temperature effects. Physica B: Condensed Matter, 2004, 350, E9-E12.	1.3	2

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