

# V V Sikolenko

## List of Publications by Citations

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137  
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g-index

144  
ext. papers

1,451  
ext. citations

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L-index

#	Paper	IF	Citations
137	Isothermal structural transitions, magnetization and large piezoelectric response in Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> perovskites. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	117
136	Dynamical splayed ferromagnetic ground state in the quantum spin ice Yb <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 110, 127207	7.4	54
135	Evolution of crystal structure and ferroic properties of La-doped BiFeO <sub>3</sub> ceramics near the rhombohedral-orthorhombic phase boundary. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 555, 101-107	5.7	50
134	Electronically competing phases and their magnetic field dependence in electron-doped nonsuperconducting and superconducting Pr <sub>0.88</sub> LaCe <sub>0.12</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	47
133	Precision neutron-diffraction study of the high-T <sub>c</sub> superconductor HgBa <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>1997</b> , 55, 3966-3973	3.3	46
132	Dzyaloshinskii-Moriya interaction and spin reorientation transition in the frustrated kagome lattice antiferromagnet. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	40
131	Electromechanical and magnetic properties of BiFeO <sub>3</sub> -LaFeO <sub>3</sub> -CaTiO <sub>3</sub> ceramics near the rhombohedral-orthorhombic phase boundary. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 187218	2.5	28
130	Composition- and temperature-driven structural transitions in Bi <sub>(1-x)</sub> Ca <sub>x</sub> FeO <sub>3</sub> multiferroics: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 135902	1.8	27
129	Structural phase evolution in Bi <sub>7/8</sub> Ln <sub>1/8</sub> FeO <sub>3</sub> (Ln = La, Dy) series. <i>Materials Letters</i> , <b>2011</b> , 65, 1970-1972	3.3	27
128	Phase coexistence in Bi <sub>1-x</sub> Pr <sub>x</sub> FeO <sub>3</sub> ceramics. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6937-6943	4.3	25
127	Magnetic properties of La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> (x = 0.15 and 0.3). <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 7313-7320	1.8	23
126	Temperature and Composition-Induced Structural Transitions in Bi <sub>1-x</sub> La <sub>x</sub> (Pr) <sub>x</sub> FeO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2631-2638	3.8	22
125	Magnetic and piezoelectric properties of the Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> system near the transition from the polar to antipolar phase. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 701-706	0.8	21
124	Structural transitions and unusual magnetic behavior in Mn-doped Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> perovskites. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084102	2.5	21
123	Structural and magnetic phases of Bi <sub>1-x</sub> A <sub>x</sub> FeO <sub>3</sub> (A = Sr, Pb) perovskites. <i>European Physical Journal B</i> , <b>2010</b> , 73, 375-381	1.2	21
122	Crystal structure, magnetic and electrical properties of the Nd <sub>1-x</sub> Ba <sub>x</sub> CoO <sub>3</sub> system. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 4181-4195	1.8	20
121	Pressure induced antiferromagnet-ferromagnet transition in La <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>2.8</sub> cobaltite. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	19

120	Incommensurate spin-density-wave order in quasi-one-dimensional metallic antiferromagnet NaV <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	19
119	Effect of the oxygen nonstoichiometry on the structure and magnetic properties of Nd <sub>2</sub> CoMnO <sub>6</sub> + $\delta$ double perovskites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 3367-3376	1.3	19
118	The ferromagnetic and antiferromagnetic phases in anion deficient La <sub>0.5</sub> $\delta$ Pr <sub>x</sub> Ba <sub>0.5</sub> CoO <sub>3</sub> $\delta$ cobaltites. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 013916	2.5	18
117	Neutron diffraction study and magnetic properties of La(1-x)Ba(x)CoO(3) (x = 0.2 and 0.3). <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 156004	1.8	18
116	Metamagnetic behaviour in TbCo <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3.06</sub> perovskite. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 9541-9548	1.8	18
115	Neutron diffraction studies of La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> magnetic structure at x=0.15 and 0.3. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 300-301	2.8	18
114	Magnetic ordering in the perovskite system. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 302, 443-447	2.8	17
113	Field-induced magnetic phases in the normal and superconducting states of ErNi <sub>2</sub> B <sub>2</sub> C. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	17
112	Mössbauer study of partially ordered cobaltites Nd <sub>2</sub> CoMnO <sub>6</sub> + $\delta$ with perovskite structure. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 046218	1.8	16
111	Drastic Change of Magnetic Phase Diagram in Doped Quantum Antiferromagnet TlCu <sub>1-x</sub> Mg <sub>x</sub> Cl <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 033702	1.5	16
110	A correlation between crystal structure and magnetic properties in co-doped BiFeO <sub>3</sub> ceramics. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 126, 164-169	3.9	16
109	Very large magnetoresistance and spin state transition in Ba-doped cobaltites. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 053909	2.5	15
108	Effect of iron doping on magnetic properties of Sr <sub>0.78</sub> Y <sub>0.22</sub> CoO <sub>2.625</sub> + $\delta$ layered perovskite. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 5900-5908	4.3	15
107	Ferro- and antiferromagnetic ordering in LaMnO <sub>3</sub> + $\delta$ <i>Physics of the Solid State</i> , <b>1999</b> , 41, 91-96	0.8	15
106	Short- and long-range order in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> and La <sub>1-x</sub> Ba <sub>x</sub> CoO <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 2187-2190	3.9	14
105	EXAFS, X-ray diffraction and Raman studies of (Pb <sub>1-x</sub> La <sub>x</sub> )(Zr <sub>0.65</sub> Ti <sub>0.35</sub> )O <sub>3</sub> (x=0.04 and 0.09) ceramics irradiated by high-current pulsed electron beam. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 2007-2012	3.9	14
104	Intermediate structural state in Bi <sub>1-x</sub> Pr <sub>x</sub> FeO <sub>3</sub> ceramics at the rhombohedral $\leftrightarrow$ orthorhombic phase boundary. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 9355-9362	4.3	13
103	The structural origin of composition-driven magnetic transformation in BiFeO <sub>3</sub> -based multiferroics: a neutron diffraction study. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6085-6090	7.1	13

102	Structure and magnetic interactions in (Sr, Sb)-doped lanthanum manganites. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 489, 45-50	2.8	13
101	The low-temperature macroscopic phase separation in La <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>3</sub> cobaltite. <i>JETP Letters</i> , <b>2011</b> , 93, 139-143	1.2	13
100	Neutron diffraction studies of structural and magnetic properties of niobium doped cobaltites. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 436002	1.8	13
99	Neutron scattering studies of the structure and lattice dynamics of a solid solution of hydrogen in -manganese. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 5255-5266	1.8	13
98	Evolution of electromechanical properties of Bi <sub>1-x</sub> Pr <sub>x</sub> FeO <sub>3</sub> solid solutions across the rhombohedral-orthorhombic phase boundary: Role of covalency. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 429-434	5.7	12
97	Weak ferromagnetic polar phase in the BiFe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> multiferroics. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 3852-3856	4.3	12
96	Magnetic and structural phase transitions in La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3-<math>\delta</math></sub> (0 $\leq$ $\delta$ $\leq$ 0.1). <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 316004	1.8	12
95	Interpretation of the Co K-edge EXAFS in LaCoO <sub>3</sub> using molecular dynamics simulations. <i>Solid State Ionics</i> , <b>2011</b> , 188, 21-24	3.3	12
94	Inhomogeneous magnetic states in Fe and Cr substituted LaMnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 036220	1.8	12
93	Magnetic phase transitions in TbNi <sub>5</sub> single crystal: Bulk properties and neutron diffraction studies. <i>JETP Letters</i> , <b>2005</b> , 82, 34-38	1.2	12
92	Conformal Solution Deposition of Pt-Pd Titania Nanocomposite Coatings for Light-Assisted Formic Acid Electro-Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43081-43092	9.5	11
91	Effect of high-current pulsed electron beam irradiation on the structure of La <sub>0.7</sub> Sr <sub>0.3</sub> CoO <sub>3</sub> powder. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 2001-2006	3.9	11
90	Crystal structure and piezoelectric and magnetic properties of Bi <sub>1-x</sub> Sm <sub>x</sub> FeO <sub>3</sub> solid solutions. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 1590-1595	0.8	9
89	Negative magnetization of Li <sub>2</sub> Ni <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> : A spin system composed of distorted honeycomb lattices and linear chains. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	9
88	Phase transformations and magnetotransport properties of the Pr <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> system. <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 112, 837-847	1	9
87	Polar-antipolar transition and weak ferromagnetism in Mn-doped Bi <sub>0.86</sub> La <sub>0.14</sub> FeO <sub>3</sub> . <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 165001	3	8
86	Structure and piezoelectric properties of Sm-doped BiFeO <sub>3</sub> ceramics near the morphotropic phase boundary. <i>Materials Research Bulletin</i> , <b>2019</b> , 112, 420-425	5.1	8
85	Phase separation in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> solid solutions with a perovskite structure. <i>Crystallography Reports</i> , <b>2006</b> , 51, S67-S75	0.6	8

84	Structure and Lattice Dynamics in PLZT 8/65/35 Ceramics Irradiated by High-Current Pulsed Electron Beam. <i>Ferroelectrics</i> , <b>2004</b> , 302, 327-333	0.6	8
83	Lattice anomalies in CeNi unstable valence compound. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s559-s561	2.6	8
82	Ferromagnetism in single-valent manganites. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 619, 719-725	5.7	7
81	Positive magnetoresistance effect in rare earth cobaltites. <i>JETP Letters</i> , <b>2009</b> , 89, 319-323	1.2	7
80	Commensurate-incommensurate phase transition in TbNi5. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e411-e414	2.8	7
79	Neutron and synchrotron X-ray powder study of copper(II) chloride complex with deuterated 1-ethyltetrazole. <i>Zeitschrift für Kristallographie</i> , <b>2009</b> , 224, 233-239		6
78	XAFS and neutron diffraction study of the La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 805-808		6
77	Evolution of crystal structure of Ba and Ti co-doped BiFeO <sub>3</sub> ceramics at the morphotropic phase boundary. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 803, 1136-1140	5.7	5
76	Magnetic interactions in La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Me <sub>x</sub> O <sub>3</sub> (Me=Ga, Fe, Cr) manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 394, 212-216	2.8	5
75	Role of superexchange interactions in the ferromagnetism of manganites. <i>Journal of Experimental and Theoretical Physics</i> , <b>2015</b> , 120, 97-102	1	5
74	Temperature evolution of the crystal structure of Bi <sub>1-x</sub> Pr <sub>x</sub> FeO <sub>3</sub> solid solutions. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 2263-2268	0.8	5
73	Crystal and magnetic structures of NdBaCo <sub>2</sub> O <sub>5+δ</sub> (δ=0.75): A neutron diffraction study. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	5
72	Neutron diffraction and synchrotron radiation studies of magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, e181-e183	2.8	5
71	Structural, Optical, and Dielectric Investigations of the Relaxor PLZT 9,75/65/35 Ceramics Irradiated by High-Current Pulsed Electron Beam. <i>Ferroelectrics</i> , <b>2003</b> , 285, 265-274	0.6	5
70	Magnetic structure of U(Pd <sub>1-x</sub> Fex) <sub>2</sub> Ge <sub>2</sub> studied by μSR: comparison with neutron diffraction data. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 282-285	2.8	5
69	Modulated magnetic structure of U(Pd <sub>1-x</sub> Fex) <sub>2</sub> Ge <sub>2</sub> studied by μSR. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 7969-7981	1.8	5
68	Neutron-diffraction study of YBa <sub>2</sub> Cu <sub>2.7</sub> Zn <sub>0.3</sub> O <sub>6+y</sub> isotope enriched samples. <i>Physica C: Superconductivity and Its Applications</i> , <b>1996</b> , 259, 173-180	1.3	5
67	Operando tracking of oxidation-state changes by coupling electrochemistry with time-resolved X-ray absorption spectroscopy demonstrated for water oxidation by a cobalt-based catalyst film. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 5395-5408	4.4	5

66	Inelastic neutron scattering study of the lattice dynamics of LaCoO <sub>3</sub> . <i>Journal of Surface Investigation</i> , <b>2011</b> , 5, 1140-1143	0.5	4
65	Magnetic structure of iron-doped UPd <sub>2</sub> Ge <sub>2</sub> . <i>JETP Letters</i> , <b>1997</b> , 66, 647-652	1.2	4
64	High-pressure effects on the crystal and magnetic structure of the Nd <sub>0.78</sub> Ba <sub>0.22</sub> CoO <sub>3</sub> cobaltite. <i>JETP Letters</i> , <b>2006</b> , 84, 16-20	1.2	4
63	Spin state of cobalt ions in NdCoO <sub>3</sub> . <i>Crystallography Reports</i> , <b>2006</b> , 51, 11-15	0.6	4
62	Neutron diffraction study of the U(Pd <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> Ge <sub>2</sub> magnetic structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 210, 225-232	2.8	4
61	Manifold of spin states and dynamical temperature effects in LaCoO <sub>3</sub> : Experimental and theoretical insights. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	3
60	Magnetic ordering in Ln <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>0.85</sub> Sb <sub>0.15</sub> O <sub>3</sub> (Ln = La, Nd, Sm, Eu). <i>Physics of the Solid State</i> , <b>2015</b> , 57, 1128-1133	0.8	3
59	Temperature-driven structural transformations in Ca/Ti- and Ba/Ti-doped BiFeO <sub>3</sub> . <i>Materials Letters</i> , <b>2019</b> , 254, 305-308	3.3	3
58	Ferromagnetic interactions in Mn <sup>3+</sup> based perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 396002	1.8	3
57	Magnetic ordering in manganites doped by Ti and Al. <i>Ceramics International</i> , <b>2017</b> , 43, 187-191	5.1	3
56	Ferromagnetic ordering in La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>3+</sub> 0.85Nb <sub>5+</sub> 0.15O <sub>3</sub> manganite. <i>Powder Diffraction</i> , <b>2015</b> , 30, S97-S100	1.8	3
55	Crystal structure and magnetic exchange in La <sub>1-x</sub> Sr <sub>2x</sub> Mn <sub>1-x</sub> Sb <sub>x</sub> O <sub>3</sub> (x ∈ [0,2]) solid solutions. <i>Low Temperature Physics</i> , <b>2015</b> , 41, 1006-1010	0.7	3
54	High pressure induced spin state crossover in Sr <sub>2</sub> CaYCo <sub>4</sub> O <sub>10.5</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 046005	1.8	3
53	Giant tunnelling effect of hydrogen and deuterium in $\delta$ manganese. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 462-466	5.7	3
52	EXAFS and X-ray diffraction study of LaCoO <sub>3</sub> across the spin-state transition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 712, 012118	0.3	3
51	Anomalous behavior of displacement correlation function and strain in lanthanum cobalt oxide analyzed both from X-ray powder diffraction and EXAFS data. <i>Powder Diffraction</i> , <b>2017</b> , 32, S151-S154	1.8	2
50	Magnetic phase transformations and magnetotransport phenomena in La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> perovskite compounds. <i>Journal of Experimental and Theoretical Physics</i> , <b>2017</b> , 125, 290-297	1	2
49	Origins of the Appearance of Ferromagnetic State and Colossal Magnetoresistance in Cobaltites. <i>Physics of Metals and Metallography</i> , <b>2019</b> , 120, 325-332	1.2	2

48	X-ray absorption spectroscopy and neutron diffraction study of the perovskite-type rare-earth cobaltites. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 640-642	2.8	2
47	Magnetic and magnetotransport properties of $\text{La}_{1-x}\text{Sr}_x\text{Mn}_{0.5}\text{Ni}_{0.5}\text{O}_3$ perovskites. <i>Ceramics International</i> , <b>2018</b> , 44, 1432-1437	5.1	2
46	Magnetic Structure and Magnetotransport Properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ . <i>Physics of Metals and Metallography</i> , <b>2018</b> , 119, 316-323	1.2	2
45	Neutron diffraction studies of the structure of substituted complex cobalt oxides. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 77-80	0.8	2
44	Magnetic and magnetoresistance properties of $\text{La}_{0.7}\text{Sr}_{0.3}(\text{Mn},\text{Bi})\text{O}_3$ . <i>Physica B: Condensed Matter</i> , <b>2017</b> , 524, 22-26	2.8	2
43	Determining the magnetic ground state of $\text{TbNi}_5$ single crystal using polarized neutron scattering technique. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3811-3816	2.8	2
42	Structural and magnetic properties of $\text{La}_{0.5}\text{Ba}_{0.5}\text{CoO}_3$ -cobaltites. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 391, 012106	0.3	2
41	Magnetic peculiarity and crystal structure of $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{Co}_{1-x}\text{Fe}_x\text{O}_3$ . <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 411-415	1.3	2
40	XAFS and neutron diffraction study of $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Ni}_y\text{O}_3$ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 575, 176-179	1.2	2
39	Magnetic diffuse scattering from Nd above $T_N$ and deduced exchange interaction parameters. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 286201	1.8	2
38	Magnetic phase diagram of $\text{ErNi}_2\text{B}_2\text{C}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 97-99	1.3	2
37	Spin state crossover and colossal magnetoresistance in barium-doped cobaltites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 129, 86-91	3.9	2
36	Correlated oxygen displacements and phonon mode changes in $\text{LaCoO}_3$ single crystal. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 597-599	2.8	2
35	Magnetic properties of $\text{BiFeO}_3/\text{BaTiO}_3$ ceramics in the morphotropic phase boundary: A role of crystal structure and structural parameters. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 539, 168409	2.8	2
34	Antiferromagnet-ferromagnet transition in $\text{La}_{1-x}\text{Sr}_x\text{Mn}_{0.5}\text{Ni}_{0.5}\text{O}_3$ ( $0 \leq x \leq 0.2$ ) ceramics. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 982-985	0.7	1
33	Spin Crossover and Magnetic Properties of Ba-Substituted Cobaltites. <i>Journal of Experimental and Theoretical Physics</i> , <b>2019</b> , 128, 98-104	1	1
32	Magnetic properties of manganites doped with gallium, iron, and chromium ions. <i>Journal of Experimental and Theoretical Physics</i> , <b>2015</b> , 120, 838-843	1	1
31	Ferromagnetic ordering, magnetic and magnetotransport properties of $\text{R}_{1-x}\text{Sr}_x(\text{Mn}_{1-x/2}\text{Sb}_{x/2})\text{O}_3$ ( $\text{R} = \text{La, Pr, Nd, Sm, Eu}$ ) manganites. <i>Materials Research Express</i> , <b>2018</b> , 5, 066101	1.7	1

30	Crystal electric field effects in Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> . <i>Journal of Surface Investigation</i> , <b>2012</b> , 6, 553-558	0.5	1
29	Negative magnetization of Li <sub>2</sub> Ni <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> including two spin subsystems, distorted honeycomb lattice and linear chain. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 400, 032017	0.3	1
28	Crystal structure and the magnetic state of Pr <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> . <i>JETP Letters</i> , <b>2008</b> , 87, 306-310	1.2	1
27	Structural study of U(Pd <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> Ge <sub>2</sub> at high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 2825-2832	1.8	1
26	CoK-edge magnetic circular dichroism across the spin state transition in LaCoO <sub>3</sub> single crystal. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 712, 012111	0.3	1
25	Ferromagnet-antiferromagnet transition in layered perovskites of Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10.5</sub> type. <i>Materials Research Express</i> , <b>2019</b> , 6, 026105	1.7	1
24	Magnetic Properties of a Layered Cobaltite Sr <sub>1-x</sub> Y <sub>x</sub> CoO <sub>3</sub> (x = 0.1). <i>Physics of the Solid State</i> , <b>2018</b> , 60, 1999-2005	0.8	1
23	Spin State of Cobalt Ions and the Magnetic Properties of Heavily Ba-Substituted Cobaltites with Perovskite Structure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1800315	1.3	1
22	High pressure effects on the magnetic and crystal structure of La <sub>0.75</sub> Ba <sub>0.25</sub> CoO <sub>3</sub> . <i>Materials Chemistry and Physics</i> , <b>2016</b> , 181, 78-81	4.4	0
21	Pressure effects on oxygen-deficient Ba-substituted cobaltites. <i>Powder Diffraction</i> , <b>2013</b> , 28, S126-S132	1.8	0
20	Pressure induced phase transitions in Sm-doped BiFeO <sub>3</sub> in the morphotropic phase boundary. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 277, 125458	4.4	0
19	A combined diffraction and EXAFS study of LaCoO <sub>3</sub> and La <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.75</sub> Nb <sub>0.25</sub> O <sub>3</sub> powders. <i>Powder Diffraction</i> , <b>2017</b> , 32, S52-S55	1.8	
18	Magnetic phase transitions in Ln <sub>1-x</sub> Sr <sub>x</sub> Co <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> (Ln = La, Pr, Nd, and Eu). <i>Physics of the Solid State</i> , <b>2017</b> , 59, 728-732	0.8	
17	Ferromagnetic-antiferromagnetic transition and magnetotransport properties of La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> perovskites. <i>Materials Research Express</i> , <b>2017</b> , 4, 106109	1.7	
16	Investigation of a Spin Transition in a LaCoO <sub>3</sub> Single Crystal by the Method of X-Ray Magnetic Circular Dichroism at the Cobalt K- and L <sub>2,3</sub> -Edges. <i>Physics of the Solid State</i> , <b>2018</b> , 60, 288-291	0.8	
15	Commensurate-incommensurate magnetic phase transition induced in TbNi <sub>5</sub> by an external magnetic field. <i>Physics of Metals and Metallography</i> , <b>2012</b> , 113, 228-232	1.2	
14	A combined diffraction and EXAFS study of LaCoO <sub>3</sub> and La <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.75</sub> Nb <sub>0.25</sub> O <sub>3</sub> powders □ CORRIGENDUM. <i>Powder Diffraction</i> , <b>2017</b> , 32, S231-S231	1.8	
13	Neutron diffraction studies of the magnetic properties of Pr <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> solid solutions. <i>Journal of Surface Investigation</i> , <b>2012</b> , 6, 713-717	0.5	

12	Impurity- and field-induced magnetic orderings in doped quantum antiferromagnet. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1357-1359	2.8
11	MR and neutron diffraction studies of $U(Ni_xCu_{1-x})_2Si_2$ magnetic structure. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 171-173	2.8
10	Modulated spin-density waves in uranium intermetallic compounds with $ThCr_2Si_2$ structure. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, E163-E166	2.8
9	Non-destructive diagnostics of irradiated materials using neutron scattering from pulsed neutron sources. <i>Radiation Physics and Chemistry</i> , <b>2004</b> , 71, 519-521	2.5
8	Neutron Diffraction Study of Magnetic and Structural Transitions in Complex Nb-Doped Cobalt Oxides. <i>Journal of Surface Investigation</i> , <b>2020</b> , 14, S218-S220	0.5
7	Neutron-diffraction studies of the antiferromagnetic-ferromagnetic transition in anion-deficient cobaltites. <i>Journal of Surface Investigation</i> , <b>2016</b> , 10, 1133-1135	0.5
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4	Metal matrix composites based on valence-unstable systems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1100, 012040	0.4
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1	Study of the Anomalous Thermodynamic Properties of the $LaCoO_3$ System Based on the Pseudocubic Approximation. <i>Journal of Surface Investigation</i> , <b>2022</b> , 16, 91-95	0.5