Alexei A Belik

List of Publications by Year
in descending order

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290 papers	8,439 citations	47006 47 h-index	64796 79 g-index
333 all docs	333 docs citations	333 times ranked	7782 citing authors

#	Article	IF	Citations
1	Comments on the paper â€œEffect of holmium (Ho) partial substitution in structure and ferroelectric properties of bismuth ferrites (BFO)â€•by S.G. Nair et al.. Journal of Alloys and Compounds, 2022, 903, 163875.	5.5	0
2	Multiple magnetic transitions and complex magnetic behaviour of the perovskite manganite NdMn7O12. Journal of Solid State Chemistry, 2022, 309, 122969.	2.9	1
3	Resonant inelastic X-ray scattering as a probe of Jeffâ€‰=â€‰1/2 state in 3d transition-metal oxide. Npj Quantum Materials, 2022, 7, .	5.2	1
4	Unexpected Phonon Behaviour in BiFexCr1âˆ’xO3, a Material System Different from Its BiFeO3 and BiCrO3 Parents. Nanomaterials, 2022, 12, 1607.	4.1	2
5	K₅Eu_{1â€“x}Tb_x(MoO₄)₄ Phosphors for Solid-State Lighting Applications: Aperiodic Structures and the Tb³⁺ â†’ Eu³⁺ Energy Transfer. Inorganic Chemistry, 2022, 61, 7910-7921.	4.0	7
6	Structural and Magnetic Phase Transitions in BiFe1 âˆ’ xMnxO3 Solid Solution Driven by Temperature. Nanomaterials, 2022, 12, 1565.	4.1	4
7	Different magnetic and magnetodielectric behavior of BaRFeO4 ferrites with R =ÂHo, Er, Tm, and Yb. Journal of Alloys and Compounds, 2022, 922, 166297.	5.5	6
8	Magnetic properties and ferrimagnetic structures of Mn self-doped perovskite solid solutions (Ho1âˆ’xMnx)MnO3. Journal of Alloys and Compounds, 2021, 857, 158230.	5.5	3
9	Ferrimagnetic and relaxor ferroelectric properties of R2MnMn(MnTi3)O12 perovskites with R = Nd, Eu, and Gd. Journal of Materials Chemistry C, 2021, 9, 947-956.	5.5	6
10	A plethora of structural transitions, distortions and modulations in Cu-doped BiMn7O12 quadruple perovskites. Journal of Materials Chemistry C, 2021, 9, 10232-10242.	5.5	2
11	Solid Solutions between PbVO₃ and BiCoO₃. Inorganic Chemistry, 2021, 60, 4957-4965.	4.0	3
12	Temperature evolution of 3d- and 4f-electron magnetic ordering in the ferrimagnetic Mn self-doped perovskite (Yb_{0.667}Mn_{0.333})MnO₃. Journal of Physics Condensed Matter, 2021, 33, 205804.	1.8	3
13	Competing electronic instabilities in the quadruple perovskite manganite PbMn7O12. Physical Review B, 2021, 103, .	3.2	1
14	KTb(MoO₄)₂ Green Phosphor with K⁺-Ion Conductivity: Derived from Different Synthesis Routes. Inorganic Chemistry, 2021, 60, 9471-9483.	4.0	8
15	Local Structure and Magnetic Hyperfine Interactions of 57Fe Probe Nuclei in TlCr0.9557Fe0.05O3. Journal of Experimental and Theoretical Physics, 2021, 133, 49-58.	0.9	0
16	The rich physics of A-site-ordered quadruple perovskite manganites AMn₇O₁₂. Dalton Transactions, 2021, 50, 15458-15472.	3.3	9
17	Structural stability of CuAl₂O₄ under pressure. Journal of Physics Condensed Matter, 2021, 33, 035403.	1.8	2
18	Crystal and Magnetic Structure Transitions in BiMnO3+Î´ Ceramics Driven by Cation Vacancies and Temperature. Materials, 2021, 14, 5805.	2.9	4

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19	Cu-Site Disorder in CuAl2O4 as Studied by XPS Spectroscopy. JETP Letters, 2021, 114, 556-560.	1.4	8
20	The influence of second coordination-sphere interactions on the luminescent properties of Î²-Ca3(PO4)2-related compounds. Journal of Alloys and Compounds, 2020, 815, 152352.	5.5	20
21	A-site-ordered quadruple perovskite manganite CeMn7O12 with trivalent cations. Journal of Solid State Chemistry, 2020, 283, 121161.	2.9	8
22	Emergent helical texture of electric dipoles. Science, 2020, 369, 680-684.	12.6	36
23	Emergence of a Magnetostructural Dipolar Glass in the Quadruple Perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Dy</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mn mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></. Physical Review Letters, 2020, 125, 097601.	7.8	4
24	Pressure-induced incommensurate antiferromagnetic order in a ferromagnetic B -site ordered double-perovskite Lu2NiMnO6. Physical Review B, 2020, 102, .	3.2	3
25	Enhanced magnetization of the highest- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>C</mml:mi></mml:msub></mml: ferrimagnetic oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>.	3.2	13
26	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>57</mml:mn></mml:mmultiscripts></mml:math> MÃ¶ssbauer spectroscopy study of cycloidal spin arrangements and magnetic transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></	3.2	10
27	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites NaRMn₂Ti₄O₁₂ with R = Sm, Eu, Gd, Dy, Ho, Y. Inorganic Chemistry, 2020, 59, 9065-9076.	4.0	10
28	Spontaneous Rotation of Ferrimagnetism Driven by Antiferromagnetic Spin Canting. Physical Review Letters, 2020, 124, 127201.	7.8	18
29	Origin of negative magnetization phenomena in (Tm1â^’xMnx)MnO3 : A neutron diffraction study. Physical Review B, 2020, 101, .	3.2	8
30	Study of Polycrystalline Bulk Sr3OsO6 Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. Inorganic Chemistry, 2020, 59, 4049-4057.	4.0	9
31	Sr₉In(VO₄)₇as a model ferroelectric in the structural family of Î²-Ca₃(PO₄)₂-type phosphates and vanadates. RSC Advances, 2020, 10, 10867-10872.	3.6	3
32	High-pressure synthesis, crystal structures, and magnetic and dielectric properties of GdFeO3-type perovskites (Dy0.5Mn0.5)(Mn1â^’Ti)O3 with xÂ= 0.5 and 0.75. Journal of Alloys and Compounds, 2020, 825, 154019.	5.5	6
33	Modulated Magnetic Structures in BaRFeO₄ (R = Y and Dy): Magnetic and ⁵⁷Fe MÃ¶ssbauer Investigations. Journal of Physical Chemistry C, 2020, 124, 13374-13384.	3.1	8
34	Effects of magnetic dilution in the ferrimagnetic columnar ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sm</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">MnMnMn</mml:mi><mml:mrow><mml:mn>4</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></ <mml:mi mathvariant="normal">Ti</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math>. Physical Review B,	3.2	6
35	Electronic Structure of Cobaltites ScCo1 â€“xFexO3 (x = 0, 0.05) and BiCoO3: X-Ray Photoelectron Spectroscopy. Journal of Experimental and Theoretical Physics, 2019, 128, 899-908.	0.9	10
36	Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites Y2MnGa(Mn4â€“xGax)O12 with 0 â‰¤ x â‰¤ 3. Inorganic Chemistry, 2019, 58, 14830-14841.	4.0	7

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37	Isovalent and aliovalent cation substitutions in the anion sublattice of whitlockite-type ferroelectrics Ca9RE(VO4)7 with RE =Y and Yb. Journal of Solid State Chemistry, 2019, 279, 120966.	2.9	9
38	Spin and lattice dynamics of multiferroic SrMn7O12 studied by THz and infrared spectroscopies at low temperatures and in magnetic field. , 2019, , .		0
39	⁶¹Ni Nuclear Forward Scattering Study of Magnetic Hyperfine Interactions in Double Perovskites A₂NiMnO₆ (A = Sc, In, Tl). Journal of Physical Chemistry C, 2019, 123, 23628-23634.	3.1	8
40	Synthesis, structure, and magnetic and dielectric properties of magnetoelectric BaDyFeO4 ferrite. Journal of Alloys and Compounds, 2019, 811, 151963.	5.5	8
41	Changes in the Magnetic Structure of Multiferroic BiFe0.80Cr0.20O3 with Temperature. Physics of the Solid State, 2019, 61, 1030-1036.	0.6	6
42	Changes in spin and lattice dynamics induced by magnetic and structural phase transitions in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrMn</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	4
43	Molecular magnetic thin films made from Ni-Co Prussian blue analogue anchored on silicon wafers. Journal of Magnetism and Magnetic Materials, 2019, 486, 165276.	2.3	10
44	Colossal magnetoresistance in the insulating ferromagnetic double perovskites Tl2NiMnO6: A neutron diffraction study. Acta Materialia, 2019, 173, 20-26.	7.9	11
45	Crystal structure and magnetic properties of A-site-ordered quadruple perovskite CeCu3Cr4O12. Journal of Alloys and Compounds, 2019, 793, 42-48.	5.5	9
46	Crystal structures of cation non-stoichiometric RMn3O6 (Râ€¯=â€¯Gd, Er, and Tm) manganites belonging to A-site columnar-ordered quadruple perovskite family. Journal of Solid State Chemistry, 2019, 275, 43-48.	2.9	5
47	Magnetic structure and spin-flop transition in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> -site columnar-ordered quadruple perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>TmMn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	14
48	Barium-induced effects on structure and properties of Î²-Ca3(PO4)2-type Ca9Bi(VO4)7. Journal of Alloys and Compounds, 2019, 793, 56-64.	5.5	7
49	High-pressure synthesis, crystal structure, and magnetic properties of hexagonal Ba3CuOs2O9. Journal of Solid State Chemistry, 2019, 272, 182-188.	2.9	4
50	Crystal structure, dielectric, and optical properties of Î²-calcium orthophosphates heavily doped with ytterbium. Journal of Alloys and Compounds, 2019, 787, 1301-1309.	5.5	11
51	Valence Variations by B-Site Doping in A-Site Columnar-Ordered Quadruple Perovskites Sm₂MnMn(Mn_{4â€“x}Ti_x)O₁₂ with 1 â‰¤ x â‰¤ 3. Inorganic Chemistry, 2019, 58, 3492-3501.	4.0	14
52	Electric Hyperfine Interactions of 57Fe Impurity Atoms in ACrO3 Perovskite-Type Chromites (A = Sc, In,) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	8
53	Displacive structural phase transitions and the magnetic ground state of quadruple perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YMn</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	12
54	Spin Dynamics of Two-Dimensional Triangular-Lattice Antiferromagnet 3R-AgFeO2. Applied Magnetic Resonance, 2019, 50, 637-648.	1.2	1

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55	High-pressure synthesis, crystal structure and magnetic properties of Ba3CuOs2O9. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e337-e337.	0.1	0
56	Influence of magnesium on dielectric properties of Ca 9â€“x Mg x Bi(VO 4) 7 ceramics. Journal of the American Ceramic Society, 2018, 101, 4011-4022.	3.8	6
57	Mn Self-Doping of Orthorhombic RMnO₃ Perovskites: (R_{0.667}Mn_{0.333})MnO₃ with R = Erâ€“Lu. Inorganic Chemistry, 2018, 57, 2773-2781.	4.0	14
58	Charge and orbital orders and structural instability in high-pressure quadruple perovskite CeCuMn₆O₁₂. Journal of Physics Condensed Matter, 2018, 30, 074003.	1.8	2
59	Rise of A-site columnar-ordered A₂Aâ€²Aâ€²â€²B₄O₁₂ quadruple perovskites with intrinsic triple order. Dalton Transactions, 2018, 47, 3209-3217.	3.3	39
60	High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites RMn₇O₁₂ (R = Sm, Eu, Gd, and Tb). Inorganic Chemistry, 2018, 57, 5987-5998.	4.0	20
61	Luminescence, structure and antiferroelectric-type phase transition in Ca8ZnEu(PO4)7. Materials Research Bulletin, 2018, 104, 20-26.	5.2	25
62	Enhanced nonlinear optical activity and Ca2+-conductivity in Ð¡Ð°10.5-Pb (VO4)7 ferroelectrics. Journal of Alloys and Compounds, 2018, 735, 1826-1837.	5.5	16
63	Crystal and Magnetic Structures and Properties of (Lu_{1â€“x}Mn_x)MnO₃ Solid Solutions. Inorganic Chemistry, 2018, 57, 14073-14085.	4.0	14
64	Probe MÃ¶ssbauer Spectroscopy of BiNi0.9657Fe0.04O3. Inorganic Materials, 2018, 54, 990-997.	0.8	1
65	Magnetic structures of the rare-earth quadruple perovskite manganites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mi>Mn</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	23
66	Intrinsic Triple Order in Aâ€site Columnarâ€Ordered Quadruple Perovskites: Proof of Concept. ChemPhysChem, 2018, 19, 2449-2452.	2.1	14
67	Magnetic Hyperfine Interactions in the Mixed-Valence Compound Fe₇(PO₄)₆ from MÃ¶ssbauer Experiments. Journal of Physical Chemistry C, 2018, 122, 19767-19776.	3.1	4
68	Hyperfine Interactions of 57Fe Nuclei in ScCo1â€“xFe x O3 (x = 0.05, 0.4) Substituted Cobaltites. Journal of Experimental and Theoretical Physics, 2018, 126, 514-522.	0.9	3
69	High-Pressure Synthesis, Crystal Structure, and Semimetallic Properties of HgPbO₃. Inorganic Chemistry, 2018, 57, 7601-7609.	4.0	1
70	Unusual magnetic structure of the high-pressure synthesized perovskites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Cr</mml:mi><mml:mi>O</mml:mi><mml:n	3.2	17
71	Five-Fold Ordering in High-Pressure Perovskites RMn₃O₆ (R = Gdâ€“Tm and Y). Inorganic Chemistry, 2017, 56, 5210-5218.	4.0	29
72	A layered wide-gap oxyhalide semiconductor with an infinite ZnO2 square planar sheet: Sr2ZnO2Cl2. Chemical Communications, 2017, 53, 3826-3829.	4.1	13

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73	⁵⁷Fe MÃ¶ssbauer study of unusual magnetic structure of multiferroic 3R-AgFeO₂. Journal of Physics Condensed Matter, 2017, 29, 275803.	1.8	23
74	MÃ¶ssbauer studies of spatial spin-modulated structure and hyperfine interactions in multiferroic Bi57Fe0.10Fe0.85Cr0.05O3. Physics of the Solid State, 2017, 59, 443-449.	0.6	3
75	Antiferroelectric properties and site occupations of R 3+ cations in Ca 8 Mg R (PO 4) 7 luminescent host materials. Journal of Alloys and Compounds, 2017, 699, 928-937.	5.5	40
76	Tuning of nonlinear optical and ferroelectric properties via the cationic composition of Ca9.5â€“1.5Bi Cd(VO4)7 solid solutions. Materials and Design, 2017, 116, 515-523.	7.0	22
77	Complex Structural Behavior of BiMn₇O₁₂ Quadruple Perovskite. Inorganic Chemistry, 2017, 56, 12272-12281.	4.0	23
78	MÃ¶ssbauer studies of multiferroics BiFe1 â€“ x Cr x O3 (x = 0â€“0.20). Physics of the Solid State, 2017, 59, 1558-1564.	0.6	8
79	Magnetic orbital ordering in the divalent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> -site quadruple perovskite manganites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Mn</mml:mi><mml:mi m		

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91	Low-Temperature Structural Modulations in CdMn₇O₁₂, CaMn₇O₁₂, SrMn₇O₁₂, and PbMn₇O₁₂ Perovskites Studied by Synchrotron X-ray Powder Diffraction and MÃ¶ssbauer Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 8278-8288.	3.1	37
92	Structural changes in Sr9In(PO4)7 during antiferroelectric phase transition. Inorganic Materials, 2016, 52, 176-185.	0.8	5
93	LiNbO₃-Type Oxide (Tl_{1â€“x}Sc_x)ScO₃: High-Pressure Synthesis, Crystal Structure, and Electronic Properties. Inorganic Chemistry, 2016, 55, 1940-1945.	4.0	6
94	Magnetic excitations in an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m tetramer compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2015, 92, .	3.2	5
95	Prussian Blue Derived Nanoporous Iron Oxides as Anticancer Drug Carriers for Magneticâ€Guided Chemotherapy. Chemistry - an Asian Journal, 2015, 10, 1457-1462.	3.3	61
96	The manifestation of spin-phonon coupling in CaMnO3. Journal of Applied Physics, 2015, 117, .	2.5	12
97	Structure and cation distribution in perovskites with small cations at the A site: the case of ScCoO3. Science and Technology of Advanced Materials, 2015, 16, 024801.	6.1	10
98	High-pressure synthesis, crystal structure and magnetic properties of TlCrO₃ perovskite. Dalton Transactions, 2015, 44, 10785-10794.	3.3	16
99	Sc₂NiMnO₆: A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. Inorganic Chemistry, 2015, 54, 8012-8021.	4.0	35
100	Magnetic properties of solid solutions between BiCrO₃ and BiGaO₃ with perovskite structures. Science and Technology of Advanced Materials, 2015, 16, 026003.	6.1	15
101	Ferroelectricity induced by ferriaxial crystal rotation and spin helicity in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math>-site-ordered double-perovskite multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>In</mml:mtext><mml:mn>2</mml:mn>	3.2	17
102	Magnetic ordering and ferroelectricity in multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:mrow><mml:m mathvariant="normal">AgFeO</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: Comparison between hexagonal and rhombohedral polytypes. Physical Review B, 2015, 91, .	3.2	18
103	A novel red Ca8.5Pb0.5Eu(PO4)7 phosphor for light emitting diodes application. Journal of Alloys and Compounds, 2015, 647, 965-972.	5.5	38
104	High-Pressure Synthesis, Crystal Structures, and Properties of CdMn₇O₁₂ and SrMn₇O₁₂ Perovskites. Inorganic Chemistry, 2015, 54, 9081-9091.	4.0	44
105	MÃ¶ssbauer investigations of hyperfine interactions features of 57Fe nuclei in BiFeO3 ferrite. , 2014, , .		20
106	57Fe MÃ¶ssbauer investigation of multiferroics BiMn0.9657Fe0.04O3 and BiMn0.7Fe0.3O3. , 2014, , .		0
107	Crystal Chemistry and Physics of Perovskites with Small Cations at the A Site. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C976-C976.	0.1	0
108	Singleâ€Crystalâ€like Nanoporous Spinel Oxides: A Strategy for Synthesis of Nanoporous Metal Oxides Utilizing Metalâ€Cyanide Hybrid Coordination Polymers. Chemistry - A European Journal, 2014, 20, 17375-17384.	3.3	41

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109	High-pressure synthesis, crystal structure, and magnetic properties of KSbO3-type 5doxides K0.84OsO3and Bi2.93Os3O11. Science and Technology of Advanced Materials, 2014, 15, 064901.	6.1	12
110	Spatially modulated magnetic structure of AgFeO2: MÃ¶ssbauer study on 57Fe nuclei. JETP Letters, 2014, 98, 544-550.	1.4	7
111	High-pressure synthesis, crystal chemistry and physics of perovskites with small cations at theAsite. Journal of Physics Condensed Matter, 2014, 26, 163201.	1.8	44
112	57Fe MÃ¶ssbauer study of new multiferroic AgFeO2. Hyperfine Interactions, 2014, 226, 41-50.	0.5	11
113	Structural polymorphism in multiferroic BiMnO3 at high pressures and temperatures. Journal of Alloys and Compounds, 2014, 585, 741-747.	5.5	28
114	Colossal positive and negative thermal expansion and thermosalient effect in a pentamorphic organometallic martensite. Nature Communications, 2014, 5, 4811.	12.8	168
115	Strong spin-phonon coupling in infrared and Raman spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>SrMnO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:math>: Physical Review B, 2014, 89, .	3.2	49
116	Negative Exchange Bias in Polycrystalline Hexagonal ScMnO₃, InMnO₃, YMnO₃, 4H-SrMnO₃, and 6H-SrMnO₃ and Perovskite YMnO₃: Effects of Impurities. Journal of the Physical Society of Japan, 2014, 83, 074703.	1.6	6
117	Absence of Metallic Conductivity in Tetragonal and Cubic PbVO₃ at High Pressure. Journal of the Physical Society of Japan, 2014, 83, 074711.	1.6	15
118	Bi3Cr2.91O11: A Ferromagnetic Insulator from Cr4+/Cr5+ Mixing. Inorganic Chemistry, 2014, 53, 8362-8366.	4.0	8
119	Perovskite-Structure TlMnO₃: A New Manganite with New Properties. Inorganic Chemistry, 2014, 53, 9800-9808.	4.0	17
120	Direct Synthesis of MOFâ€Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. Small, 2014, 10, 2096-2107.	10.0	588
121	Anomalous thermal expansion in orthorhombic perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>SrIrO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:math>: Interplay between spin-orbit coupling and the crystal lattice. Physical Review B, 2014, 89, .	3.2	38
122	Dysnomia, a computer program for maximum-entropy method (MEM) analysis and its performance in the MEM-based pattern fitting. Powder Diffraction, 2013, 28, 184-193.	0.2	238
123	Crystal structure and properties of high-pressure-synthesized BiRhO3, LuRhO3, and NdRhO3. Journal of Solid State Chemistry, 2013, 200, 271-278.	2.9	16
124	High-Pressure Synthesis of 5d Cubic Perovskite BaOsO₃ at 17 GPa: Ferromagnetic Evolution over 3d to 5d Series. Journal of the American Chemical Society, 2013, 135, 16507-16516.	13.7	58
125	Fresh Look at the Mystery of Magnetization Reversal in YVO₃. Inorganic Chemistry, 2013, 52, 8529-8539.	4.0	20
126	High-Pressure Synthesis, Crystal Structures, and Properties of ScRhO₃ and InRhO₃ Perovskites. Inorganic Chemistry, 2013, 52, 12005-12011.	4.0	19

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