Alexander A Yaroslavtsev

List of Publications by Year
in descending order

30	526	759055 12	642610 23
papers	citations	h-index	g-index

33	33	33	698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorite-pyrochlore phase transition in nanostructured Ln2Hf2O7 (LnÂ=ÂLa-Lu). Journal of Alloys and Compounds, 2016, 689, 669-679.	2.8	72
2	Observation of fluctuation-mediated picosecond nucleation of a topological phase. Nature Materials, 2021, 20, 30-37.	13.3	68
3	A Transition from Localized to Strongly Correlated Electron Behavior and Mixed Valence Driven by Physical or Chemical Pressure in ACo₂As₂ (A = Eu and Ca). Journal of the American Chemical Society, 2016, 138, 2724-2731.	6.6	55
4	â€œChemical Metamagnetismâ€• From Antiferromagnetic PrCo₂P₂ to Ferromagnetic Pr_{0.8}Eu_{0.2}Co₂P₂ via Chemical Compression. Chemistry of Materials, 2011, 23, 3021-3024.	3.2	41
5	Short- and long-range order balance in nanocrystalline Gd2Zr2O7 powders with a fluorite-pyrochlore structure. Russian Journal of Inorganic Chemistry, 2014, 59, 279-285.	0.3	36
6	Synthesis, Structures, and Magnetic Properties of Rare-Earth Cobalt Arsenides, RCo₂As₂ (R = La, Ce, Pr, Nd). Chemistry of Materials, 2014, 26, 3825-3837.	3.2	34
7	Lanthanide effect on the formation and evolution of nanocrystalline structures in Ln2Hf2O7 compounds (Ln = Sm-Dy). Russian Journal of Inorganic Chemistry, 2015, 60, 16-22.	0.3	26
8	Formation of nanocrystalline structures in the Ln2O3-MO2 systems (Ln = Gd, Dy; M = Zr, Hf). Russian Journal of Inorganic Chemistry, 2011, 56, 1538-1544.	0.3	24
9	Magnetic excitations in EuCu2(SixGe1â^'x)2: from mixed valence towards magnetism. Journal of Physics Condensed Matter, 2012, 24, 375601.	0.7	21
10	Characteristic features of the nanocrystalline structure formation in Ln2Hf2O7 (Ln = Gd, Dy) compounds. Russian Journal of Inorganic Chemistry, 2013, 58, 1400-1407.	0.3	19
11	Intermetallics La9Ru4In5 and Ce9Ru4Ga5 with new types of structures. Synthesis, crystal structures, physical properties. Intermetallics, 2012, 23, 106-110.	1.8	15
12	A study of the formation of Ln2 + x Me2 â^' x O7 â^' x/2 (Ln = Gd, Dy; Me = Zr, Hf) nanocrystals. Glass Physics and Chemistry, 2011, 37, 512-520.	0.2	13
13	Ce valence in intermetallic compounds by means of XANES spectroscopy. Zeitschrift FÃ¼r Kristallographie, 2010, 225, .	1.1	12
14	Trends in formation of the nanocrystalline structure and cationic ordering in the Dy2O3-HfO2 (1: 1) system. Russian Journal of Inorganic Chemistry, 2013, 58, 331-337.	0.3	12
15	Synthesis, crystal structure and physical properties of Ce2Ru2Ga3. Intermetallics, 2013, 38, 23-29.	1.8	10
16	Nonequilibrium subâ€“10 nm spin-wave soliton formation in FePt nanoparticles. Science Advances, 2022, 8, eabn0523.	4.7	10
17	Controlling Magnetic Ordering in Ca1â€“xEuxCo2As2 by Chemical Compression. Chemistry of Materials, 2016, 28, 7459-7469.	3.2	9
18	High spatial coherence and short pulse duration revealed by the Hanbury Brown and Twiss interferometry at the European XFEL. Structural Dynamics, 2021, 8, 044305.	0.9	9

#	Article	IF	Citations
19	Intermetallic compounds Ce4Ru3Ga3 and La3Ru2Ga2 with crystal structures of new types. Journal of Alloys and Compounds, 2013, 575, 183-189.	2.8	8
20	Local atomic and crystal structure rearrangement during the martensitic transformation in Ti50Ni25Cu25 shape memory alloy. Journal of Alloys and Compounds, 2014, 585, 428-433.	2.8	7
21	Trimetallic [M3(dpa)4]2+Complexes (M = Co, Ni) as Building Blocks for Cyano-Bridged Coordination Polymers. European Journal of Inorganic Chemistry, 2012, 2012, 4652-4660.	1.0	6
22	Synthesis, crystal structure, and magnetism of A2Co12As7 (A=Ca, Y, Ceâ€“Yb). Journal of Solid State Chemistry, 2016, 236, 147-158.	1.4	6
23	Revisiting Bond Breaking and Making in EuCo 2 P 2 : Where are the Electrons?. Chemistry - A European Journal, 2019, 25, 5865-5869.	1.7	5
24	Local Electronic and Crystal Structure of Rare-Earth Cobalt Phosphides RCo₂P₂ Studied by XAFS Spectroscopy. Solid State Phenomena, 2012, 190, 200-203.	0.3	3
25	Asâ€“Se Pentagonal Linkers to Induce Chirality and Polarity in Mixed-Valent Feâ€“Se Tetrahedral Chains Resulting in Hidden Magnetic Ordering. Journal of the American Chemical Society, 2022, 144, 11283-11295.	6.6	3
26	Interplay between Local Electronic Structure, Crystalline Structure and Magnetic Ordering in Intermetallic Compounds Ce₂Fe_{17â^'x}Mn_x. Solid State Phenomena, 0, 190, 251-254.	0.3	1
27	First commissioning results of the KB mirrors at the SCS instrument of the European XFEL. , 2019, , .		1
28	Local structure of TiNiCu(Hf) shape memory alloys: XAFS data analysis. Zeitschrift FÃ¼r Kristallographie, 2010, 225, .	1.1	0
29	Revisiting Bond Breaking and Making in EuCo 2 P 2 : Where are the Electrons?. Chemistry - A European Journal, 2019, 25, 5813-5813.	1.7	0
30	Electronic properties and X-ray absorption spectra of Ba_{1-x}K_xBiO₃. Journal of Physics: Conference Series, 2019, 1389, 012062.	0.3	0