

Alexander A Yaroslavtsev

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

526
citations

759055

12
h-index

642610

23
g-index

33
all docs

33
docs citations

33
times ranked

698
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonequilibrium sub-10 nm spin-wave soliton formation in FePt nanoparticles. <i>Science Advances</i> , 2022, 8, eabn0523.	4.7	10
2	As-Se Pentagonal Linkers to Induce Chirality and Polarity in Mixed-Valent Fe-Se Tetrahedral Chains Resulting in Hidden Magnetic Ordering. <i>Journal of the American Chemical Society</i> , 2022, 144, 11283-11295.	6.6	3
3	Observation of fluctuation-mediated picosecond nucleation of a topological phase. <i>Nature Materials</i> , 2021, 20, 30-37.	13.3	68
4	High spatial coherence and short pulse duration revealed by the Hanbury Brown and Twiss interferometry at the European XFEL. <i>Structural Dynamics</i> , 2021, 8, 044305.	0.9	9
5	Revisiting Bond Breaking and Making in EuCo ₂ P ₂ : Where are the Electrons?. <i>Chemistry - A European Journal</i> , 2019, 25, 5813-5813.	1.7	0
6	Revisiting Bond Breaking and Making in EuCo ₂ P ₂ : Where are the Electrons?. <i>Chemistry - A European Journal</i> , 2019, 25, 5865-5869.	1.7	5
7	Electronic properties and X-ray absorption spectra of Ba _{1-x} K _x BiO ₃ . <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012062.	0.3	0
8	First commissioning results of the KB mirrors at the SCS instrument of the European XFEL. , 2019, , .		1
9	Controlling Magnetic Ordering in Ca _{1-x} EuxCo ₂ As ₂ by Chemical Compression. <i>Chemistry of Materials</i> , 2016, 28, 7459-7469.	3.2	9
10	Fluorite-pyrochlore phase transition in nanostructured Ln ₂ Hf ₂ O ₇ (Ln=La-Lu). <i>Journal of Alloys and Compounds</i> , 2016, 689, 669-679.	2.8	72
11	A Transition from Localized to Strongly Correlated Electron Behavior and Mixed Valence Driven by Physical or Chemical Pressure in ACo ₂ As ₂ (A = Eu and Ca). <i>Journal of the American Chemical Society</i> , 2016, 138, 2724-2731.	6.6	55
12	Synthesis, crystal structure, and magnetism of A ₂ Co ₁₂ As ₇ (A=Ca, Y, Ce-Yb). <i>Journal of Solid State Chemistry</i> , 2016, 236, 147-158.	1.4	6
13	Lanthanide effect on the formation and evolution of nanocrystalline structures in Ln ₂ Hf ₂ O ₇ compounds (Ln = Sm-Dy). <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 16-22.	0.3	26
14	Local atomic and crystal structure rearrangement during the martensitic transformation in Ti ₅₀ Ni ₂₅ Cu ₂₅ shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2014, 585, 428-433.	2.8	7
15	Short- and long-range order balance in nanocrystalline Gd ₂ Zr ₂ O ₇ powders with a fluorite-pyrochlore structure. <i>Russian Journal of Inorganic Chemistry</i> , 2014, 59, 279-285.	0.3	36
16	Synthesis, Structures, and Magnetic Properties of Rare-Earth Cobalt Arsenides, RCo ₂ As ₂ (R = La, Ce, Pr, Nd). <i>Chemistry of Materials</i> , 2014, 26, 3825-3837.	3.2	34
17	Trends in formation of the nanocrystalline structure and cationic ordering in the Dy ₂ O ₃ -HfO ₂ (1: 1) system. <i>Russian Journal of Inorganic Chemistry</i> , 2013, 58, 331-337.	0.3	12
18	Characteristic features of the nanocrystalline structure formation in Ln ₂ Hf ₂ O ₇ (Ln = Gd, Dy) compounds. <i>Russian Journal of Inorganic Chemistry</i> , 2013, 58, 1400-1407.	0.3	19

#	ARTICLE	IF	CITATIONS
19	Synthesis, crystal structure and physical properties of Ce ₂ Ru ₂ Ga ₃ . Intermetallics, 2013, 38, 23-29.	1.8	10
20	Intermetallic compounds Ce ₄ Ru ₃ Ga ₃ and La ₃ Ru ₂ Ga ₂ with crystal structures of new types. Journal of Alloys and Compounds, 2013, 575, 183-189.	2.8	8
21	Magnetic excitations in EuCu ₂ (SixGe _{1-x}) ₂ : from mixed valence towards magnetism. Journal of Physics Condensed Matter, 2012, 24, 375601.	0.7	21
22	Local Electronic and Crystal Structure of Rare-Earth Cobalt Phosphides RCo ₂ P ₂ Studied by XAFS Spectroscopy. Solid State Phenomena, 2012, 190, 200-203.	0.3	3
23	Intermetallics La ₉ Ru ₄ In ₅ and Ce ₉ Ru ₄ Ga ₅ with new types of structures. Synthesis, crystal structures, physical properties. Intermetallics, 2012, 23, 106-110.	1.8	15
24	Trimetallic [M ₃ (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
25	“Chemical Metamagnetism” From Antiferromagnetic PrCo ₂ P ₂ to Ferromagnetic Pr _{0.8} Eu _{0.2} Co ₂ P ₂ via Chemical Compression. Chemistry of Materials, 2011, 23, 3021-3024.	3.2	41
26	A study of the formation of Ln ₂ + x Me ₂ x O ₇ x/2 (Ln = Gd, Dy; Me = Zr, Hf) nanocrystals. Glass Physics and Chemistry, 2011, 37, 512-520.	0.2	13
27	Formation of nanocrystalline structures in the Ln ₂ O ₃ -MO ₂ systems (Ln = Gd, Dy; M = Zr, Hf). Russian Journal of Inorganic Chemistry, 2011, 56, 1538-1544.	0.3	24
28	Ce valence in intermetallic compounds by means of XANES spectroscopy. Zeitschrift für Kristallographie, 2010, 225, .	1.1	12
29	Local structure of TiNiCu(Hf) shape memory alloys: XAFS data analysis. Zeitschrift für Kristallographie, 2010, 225, .	1.1	0
30	Interplay between Local Electronic Structure, Crystalline Structure and Magnetic Ordering in Intermetallic Compounds Ce ₂ Fe ₁₇ Mn _x . Solid State Phenomena, 0, 190, 251-254.	0.3	1