

Protasov, A V

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3966832/publications.pdf>

Version: 2024-02-01

30
papers

296
citations

1039406

9
h-index

887659

17
g-index

30
all docs

30
docs citations

30
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of nanoparticle sizes by X-ray diffraction. Colloid Journal, 2012, 74, 675-685.	0.5	134
2	Studying mechanosynthesized HfAgg carbide (Hf-Fe5C2). Physics of Metals and Metallography, 2015, 116, 791-801.	0.3	14
3	Magnetic properties and structure of nanocrystalline FINEMET alloys with various iron contents. Physics of Metals and Metallography, 2015, 116, 663-670.	0.3	13
4	Coercivity kinetics upon step annealing of sintered Sm(Co _{0.88} Fe _{0.09} Zr _{0.03}) ₇ magnets. Journal of Rare Earths, 2019, 37, 1059-1065.	2.5	13
5	Magnetic properties of melt-spun ribbons (Sm _{1-x} Zr _x)(Fe _{0.92} Ti _{0.08}) ₁₀ with ThMn ₁₂ structure and their hydrides. Journal of Rare Earths, 2019, 37, 1066-1071.	2.5	13
6	Solid-state reactions upon mechanical alloying of an Fe ₃₂ Al ₆₈ binary mixture. Physics of Metals and Metallography, 2012, 113, 602-611.	0.3	10
7	Dynamic equilibria of phases in the processes of the mechanosynthesis of an alloy with composition Fe _{72.6} C _{24.5} O _{1.1} N _{1.8} . Physics of Metals and Metallography, 2014, 115, 557-565.	0.3	9
8	Formation of solid solutions of gallium in Fe-Cr and Fe-Co alloys: Mössbauer studies and first-principles calculations. Journal of Alloys and Compounds, 2014, 614, 297-304.	2.8	9
9	Peculiar Kinetics of Coercivity of Sintered Sm(Co _{0.78} Fe _{0.10} Cu _{0.10} Zr _{0.02}) ₇ Magnet Upon Slow Cooling. IEEE Transactions on Magnetics, 2018, 54, 1-7.	1.2	9
10	Enhanced method of magnetic powder alignment for production of PLP Nd-Fe-B magnets. Journal of Magnetism and Magnetic Materials, 2017, 428, 424-430.	1.0	8
11	Structure and Magnetic Properties of Heat-Resistant Sm(Co _{0.796} Fe _{0.177} Cu _x Zr _{0.027}) _{6.63} Permanent Magnets with High Coercivity. Jom, 2019, 71, 559-566.	0.9	8
12	Structural state and magnetic properties of cementite alloyed with manganese. Physics of Metals and Metallography, 2012, 113, 1134-1145.	0.3	7
13	Deformation-induced structural transformations in Si and the initial stage of mechanical alloying of Si and Fe. Colloid Journal, 2013, 75, 261-266.	0.5	7
14	Structure and Properties of Sm-Co-Fe-Cu-Zr Magnets for High-Temperature Applications. Metal Science and Heat Treatment, 2018, 60, 498-503.	0.2	7
15	Magnetic properties of Sm ₂ Fe ₁₇ N powders prepared from bulk and strip-cast alloys. Journal of Magnetism and Magnetic Materials, 2021, 518, 167416.	1.0	5
16	Effect of the nanocrystalline state and electrical resistance of Fe and Fe ₇₅ Si ₂₅ powders produced by the method of high-energy ball milling on the frequency dispersion of microwave material parameters. Physics of Metals and Metallography, 2016, 117, 540-549.	0.3	4
17	Influence of microdeformations on magnetic phase transitions in the (Tm Pr _{1-x}) ₂ Fe ₁₇ system. Journal of Alloys and Compounds, 2017, 726, 330-337.	2.8	4
18	Probe Mössbauer spectroscopy of the grain boundaries of a Mo-O nanocrystalline system obtained by mechanical alloying. JETP Letters, 2010, 92, 746-750.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Mössbauer probe spectroscopy studies of initial stage of Al-Fe mechanical alloying. <i>Physics of Metals and Metallography</i> , 2013, 114, 148-154.	0.3	3
20	Electrical resistivity, magnetism and electronic structure of the intermetallic 3d/4f Laves phase compounds ErNi_2Mnx . <i>AIP Advances</i> , 2018, 8, 105225.	0.6	3
21	HNBR elastomer composite with zero thermal contraction over a range of temperatures. <i>Composites Communications</i> , 2019, 15, 76-79.	3.3	3
22	Effect of additions of phosphorous, boron, and silicon on the structure and magnetic properties of the melt-spun FePd ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 481, 212-220.	1.0	3
23	Effect of silicon on the phase formation in mechanically activated systems based on Fe ₇₅ C ₂₅ : Mechanosynthesis of composite states. <i>Physics of Metals and Metallography</i> , 2012, 113, 72-81.	0.3	2
24	Investigation of Magnetic Hysteresis Properties of $(\text{Sm}_{0.8}\text{Zr}_{0.2})(\text{Fe}_{0.72}\text{Co}_{0.24}\text{Ti}_{0.04})_{10}\text{M}$ Melt-Spun Ribbons. <i>Metal Science and Heat Treatment</i> , 2021, 62, 566-571.	0.2	2
25	Mechanical alloying of the Mo-rich Mo-O-Fe ternary system. <i>Physics of Metals and Metallography</i> , 2011, 111, 503-512.	0.3	1
26	Probe Mössbauer spectroscopy of the evolution of mechanically alloyed Mo ₉₂ O ₈ (57Fe) system upon heat treatment. <i>Physics of Metals and Metallography</i> , 2012, 113, 663-671.	0.3	1
27	Development of high-coercivity state in melt-spun Fe ₄₁ Pd ₄₁ B ₈ Si ₆ P ₄ ribbons. <i>Rare Metals</i> , 2020, 39, 76-83.	3.6	1
28	Mössbauer study of mechanical alloying in a Mo ₈₀ Fe ₂₀ system. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010, 74, 339-342.	0.1	0
29	Solid State Reactions in the Mo-Fe System under Mechanical Alloying. , 2010, , .		0
30	Effect of solid solution treatment and nitrogenation on magnetic properties of Sm ₂ +Fe ₁₇ N _x powders. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012125.	0.3	0