Myroslav Karpets

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2168705/publications.pdf

Version: 2024-02-01

20 papers	108 citations	1478280 6 h-index	1474057 9 g-index
20 all docs	20 docs citations	20 times ranked	89 citing authors

#	Article	IF	Citations
1	The effect of high-pressure synthesis on flux pinning in MgB2-based superconductors. Physica C: Superconductivity and Its Applications, 2012, 479, 111-114.	0.6	21
2	In situ X-ray diffraction study of the phase transformation in the non-stoichiometric intermetallic compound Ti3Sn. Journal of Alloys and Compounds, 2014, 582, 360-363.	2.8	12
3	Thermal Stability and Mechanical Characteristics of Densified Ti₃AlC₂-Based Material. Solid State Phenomena, 0, 230, 140-143.	0.3	11
4	Structure and Properties of MgB2Bulks, Thin Films, and Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	10
5	Temperatureâ€“pressure induced nano-structural inhomogenities for vortex pinning in bulk MgB2 of different connectivity. Physica C: Superconductivity and Its Applications, 2014, 503, 109-112.	0.6	9
6	Effect of Nanostructural Inhomogeneities on the Superconducting Characteristics of <inline-formula> <tex-math notation="TeX">$hbox{MgB}_{2}$</tex-math></inline-formula> With Enhanced Grain Connectivity. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	7
7	Local structure and electron spin resonance of copper-doped SrTiO3 ceramics. Journal of Materials Science, 2013, 48, 4016-4022.	1.7	6
8	Influence of Oxygen and Boron Distribution on the Superconducting Characteristics of Nanostructural Mg-B-O Ceramics. Solid State Phenomena, 2013, 200, 137-143.	0.3	5
9	Room-temperature ferroelectricity, superparamagnetism and large magnetoelectricity of solid solution PbFe1/2Ta1/2O3 with (PbMg1/3Nb2/3O3)0.7(PbTiO3)0.3. Journal of Materials Science, 2020, 55, 1399-1413.	1.7	5
10	Superconductivity in Multi-Phase Mg-B-O Compounds. Physics Procedia, 2012, 36, 475-478.	1.2	4
11	Wetting, Interfacial Interactions, and Vacuum Metallization of SnO2 Ceramics by Liquid Metals and Alloys. Journal of Materials Engineering and Performance, 2020, 29, 4922-4927.	1.2	4
12	Young's modulus and damping capacity of Ti 3 Sn intermetallic compound with 1 at% and 3 at% of Zr and Al additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 683, 252-255.	2.6	3
13	MgB2 Wires and Bulks With High Superconducting Performance. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
14	A novel route to superhard nanocrystalline cubic boron nitride: Emulsion detonation and high-pressure high-temperature transformation-assisted consolidation. Journal of the European Ceramic Society, 2021, 41, 5505-5511.	2.8	3
15	Structure and Properties of Magnesium Diboride and the Effect of Additions. Materials Science Forum, 0, 915, 65-70.	0.3	2
16	Risks Associated with the Use of High-Strength Titanium Alloys in Transportation Systems. Lecture Notes in Networks and Systems, 2018, , 213-220.	0.5	2
17	Correlations Between Superconducting Characteristics and Structure of MgB2-Based Materials, <italic>ab</italic>-Initio Modeling. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.1	1
18	Microstructure, Chemical and Phase Composition of Chromium Silicide Diffusion Coatings on Carbon Steels. Powder Metallurgy and Metal Ceramics, 2005, 44, 17-22.	0.4	0

#	Article	IF	Citations
19	Mechanical characteristics and high temperature stability of oxidized Ti<inf>3</inf>AlC<inf>2</inf> nanolaminat. , 2014, , .		0
20	Processing of Bulk MgB₂ Superconductors for Application in Fault Current Limiters. Materials Science Forum, 2016, 856, 32-37.	0.3	0