

Myroslav Karpets

List of Publications by Year in descending order

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20
papers

108
citations

1478280

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20
all docs

20
docs citations

20
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Room-temperature ferroelectricity, superparamagnetism and large magnetoelectricity of solid solution $\text{PbFe}_{1/2}\text{Ta}_{1/2}\text{O}_3$ with $(\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3)_{0.7}(\text{PbTiO}_3)_{0.3}$. Journal of Materials Science, 2020, 55, 1399-1413.	1.7	5
3	Wetting, Interfacial Interactions, and Vacuum Metallization of SnO_2 Ceramics by Liquid Metals and Alloys. Journal of Materials Engineering and Performance, 2020, 29, 4922-4927.	1.2	4
4	MgB ₂ Wires and Bulks With High Superconducting Performance. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
5	Correlations Between Superconducting Characteristics and Structure of MgB ₂ -Based Materials, <i>ab-initio</i> Modeling. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.1	1
6	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
7	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
8	Structure and Properties of MgB ₂ Bulks, Thin Films, and Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	10
9	Processing of Bulk MgB ₂ Superconductors for Application in Fault Current Limiters. Materials Science Forum, 2016, 856, 32-37.	0.3	0
10	Effect of Nanostructural Inhomogeneities on the Superconducting Characteristics of MgB_2 With Enhanced Grain Connectivity. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	7
11	Mechanical characteristics and high temperature stability of oxidized Ti ₃ AlC ₂ nanolaminat. , 2014, , .		0
12	Temperature-induced pressure induced nano-structural inhomogenities for vortex pinning in bulk MgB ₂ of different connectivity. Physica C: Superconductivity and Its Applications, 2014, 503, 109-112.	0.6	9
13	In situ X-ray diffraction study of the phase transformation in the non-stoichiometric intermetallic compound Ti ₃ Sn. Journal of Alloys and Compounds, 2014, 582, 360-363.	2.8	12
14	Local structure and electron spin resonance of copper-doped SrTiO ₃ ceramics. Journal of Materials Science, 2013, 48, 4016-4022.	1.7	6
15	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
16	Superconductivity in Multi-Phase Mg-B-O Compounds. Physics Procedia, 2012, 36, 475-478.	1.2	4
17	The effect of high-pressure synthesis on flux pinning in MgB ₂ -based superconductors. Physica C: Superconductivity and Its Applications, 2012, 479, 111-114.	0.6	21
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	Thermal Stability and Mechanical Characteristics of Densified Ti ₃ AlC ₂ -Based Material. Solid State Phenomena, 0, 230, 140-143.	0.3	11
20	Structure and Properties of Magnesium Diboride and the Effect of Additions. Materials Science Forum, 0, 915, 65-70.	0.3	2