Vasyl M Sklyarchuk

List of Publications by Year
in descending order

60	915	623574	501076
papers	citations	14 h-index	28 g-index

61	61	61	630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermophysical properties of multicomponent model high-entropy melts. Journal of Physical Studies, 2020, 24, .	0.2	0
2	The liquid AlCu4TiMg alloy: thermophysical and thermodynamic properties. High Temperatures - High Pressures, 2020, 49, 61-73.	0.3	0
3	Influence of ni nanoparticles on electrical conductivity of Sn_{95.5}Ag_{3.8}Cu_{0.7}. Journal of Physical Studies, 2020, 24, .	0.2	0
4	Lightweight magnesium nanocomposites: electrical conductivity of liquid magnesium doped by CoPd nanoparticles. Applied Nanoscience (Switzerland), 2019, 9, 1119-1125.	1.6	1
5	Potential cooling agents for fast nuclear reactors: Sodium influence on the thermophysical properties of liquid Ga-Sn-Zn eutectic alloys. Journal of Molecular Liquids, 2019, 296, 112024.	2.3	2
6	Liquid metals in cooling systems: Experimental design of thermophysical properties of eutectic Ga-Sn-Zn alloy with Pb additions. Journal of Molecular Liquids, 2019, 281, 542-548.	2.3	7
7	Liquid Metals in High-Temperature Cooling Systems: The Effect of Bi Additions for the Physicochemical Properties of Eutectic Gaâ€“Snâ€“Zn. Journal of Chemical & Engineering Data, 2019, 64, 404-411.	1.0	9
8	Microsegregation in Ion-Electron Liquids: Molten Metals and Alloys. Springer Proceedings in Physics, 2018, , 111-132.	0.1	0
9	Thermophysical properties of the liquid Gaâ€“Snâ€“Zn eutectic alloy. Fluid Phase Equilibria, 2018, 465, 1-9.	1.4	37
10	The thermophysical properties of eutectic Ga-Sn-Zn with In additions. Journal of Molecular Liquids, 2018, 271, 942-948.	2.3	9
11	The application of liquid metals in cooling systems: A study of the thermophysical properties of eutectic Ga-Sn-Zn with Al additions. International Journal of Heat and Mass Transfer, 2018, 126, 414-420.	2.5	21
12	Thermophysical structure-sensitive properties of Tinâ€“Zinc alloys. Journal of Materials Science: Materials in Electronics, 2017, 28, 750-759.	1.1	3
13	Viscosity and Electrical Conductivity of the Liquid Sn-3.8Ag-0.7Cu Alloy with Minor Co Admixtures. Journal of Materials Engineering and Performance, 2016, 25, 4437-4443.	1.2	12
14	Liquid Coâ€“Sn alloys at high temperatures: structure and physical properties. Physics and Chemistry of Liquids, 2016, 54, 440-453.	0.4	3
15	Structure and physical properties of ternary NaFâ€“LiFâ€“LnF₃(Ln = La, Nd) systems of eutectic compositions. Physics and Chemistry of Liquids, 2016, 54, 717-726.	0.4	7
16	Electrical conductivity and thermoelectric power of liquid Coâ€“Sn alloys. Physics and Chemistry of Liquids, 2015, 53, 200-206.	0.4	1
17	Electrophysical and structure-sensitive properties of liquid Gaâ€“In alloys. International Journal of Materials Research, 2015, 106, 66-71.	0.1	18
18	Viscosity of liquid binary Pbâ€“Zn alloys in the miscibility gap region. Journal of Non-Crystalline Solids, 2014, 391, 12-16.	1.5	5

#	Article	IF	Citations
19	Concentration dependence of physical properties of liquid NaFâ€“LiFâ€“NdF3 alloys. Nuclear Engineering and Design, 2014, 270, 60-64.	0.8	8
20	Thermophysical Properties of the Liquid Gaâ€“Inâ€“Sn Eutectic Alloy. Journal of Chemical & Engineering Data, 2014, 59, 757-763.	1.0	223
21	Thermophysical properties of the liquid Pb84.1Au15.9 eutectic alloy. Journal of Nuclear Materials, 2013, 434, 291-295.	1.3	4
22	Physical properties of liquid NaFâ€“LiFâ€“LaF3 and NaFâ€“LiFâ€“NdF3 eutectic alloys. Journal of Nuclear Materials, 2013, 433, 329-333.	1.3	17
23	Surface properties and wetting behavior of liquid Ag-Sb-Sn alloys. Journal of Mining and Metallurgy, Section B: Metallurgy, 2012, 48, 443-448.	0.3	12
24	Surface properties and wetting characteristics of liquid Agâ€“Biâ€“Sn alloys. Monatshefte FÃ¼r Chemie, 2012, 143, 1249-1254.	0.9	8
25	Thermophysical Properties of Liquid Silver-Bismuth-Tin Alloys. Journal of Materials Engineering and Performance, 2012, 21, 585-589.	1.2	3
26	Determination of liquidus temperature in Ti-rich alloys of the Feâ€“Niâ€“Ti system obtained by DTA, electrical conductivity and XRD measurements. International Journal of Materials Research, 2011, 102, 248-256.	0.1	4
27	Structure parameters and structure sensitive properties of Sn0.739Pb0.261 melt. Thermophysics and Aeromechanics, 2011, 18, 123-128.	0.1	4
28	Electrical conductivity and viscosity of liquid Snâ€“Sbâ€“Cu alloys. Journal of Materials Science: Materials in Electronics, 2011, 22, 631-638.	1.1	10
29	Thermophysical properties and thermal simulation of Bridgman crystal growth process of Niâ€“Mnâ€“Ga magnetic shape memory alloys. International Journal of Heat and Mass Transfer, 2011, 54, 4167-4174.	2.5	5
30	Surface tension and density of liquid Biâ€“Pb, Biâ€“Sn and Biâ€“Pbâ€“Sn eutectic alloys. Surface Science, 2011, 605, 1034-1042.	0.8	65
31	Some thermophysical properties of the intermetallic Ti40Al60 alloy in the melting-solidification temperature range. International Journal of Materials Research, 2011, 102, 282-285.	0.1	1
32	Viscosity of Sb-Sn melts. Inorganic Materials, 2010, 46, 833-835.	0.2	3
33	Thermophysical properties of liquid tinâ€“bismuth alloys. International Journal of Materials Research, 2010, 101, 839-844.	0.1	25
34	Determination of Liquidus Temperature in Snâ€“Tiâ€“Zr Alloys by Viscosity, Electrical Conductivity and XRD Measurements. International Journal of Materials Research, 2009, 100, 689-694.	0.1	8
35	Toward Physical Modeling of Laser Welding: Thermophysics Revisited. International Journal of Thermophysics, 2009, 30, 555-571.	1.0	4
36	Structure Sensitive Properties of Liquid Alâ€“Si Alloys. International Journal of Thermophysics, 2009, 30, 1400-1410.	1.0	32

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37	Some physical data of the near eutectic liquid leadâ€“bismuth. Journal of Nuclear Materials, 2008, 373, 335-342.	1.3	30
38	Measurement of electrical conductivity of Pbâ€“Bi alloys in the meltingâ€“solidification region. Journal of Nuclear Materials, 2008, 376, 363-365.	1.3	3
39	Structure and electrophysical properties of liquid Pb83Mg17 and Pb83Li17 eutectics. Journal of Nuclear Materials, 2008, 376, 371-374.	1.3	12
40	Viscosity of Biâ€“Zn liquid alloys. Journal of Non-Crystalline Solids, 2008, 354, 4415-4417.	1.5	20
41	Microsegregation in liquid Pb-based eutectics. Journal of Non-Crystalline Solids, 2008, 354, 4443-4447.	1.5	17
42	Viscosity of liquid Inâ€“Seâ€“Tl alloys in the miscibility gap region. Journal of Alloys and Compounds, 2008, 452, 174-177.	2.8	8
43	Thermophysical properties of Nd-, Er-, YNi-alloys. International Journal of Materials Research, 2008, 99, 261-264.	0.1	3
44	Experimental studies of phase equilibria in high-temperature ternary immiscible metallic melts. Journal of Non-Crystalline Solids, 2007, 353, 3310-3313.	1.5	6
45	Liquidâ€“liquid phase equilibrium in ternary immiscible Inâ€“Tlâ€“Te melts. Journal of Molecular Liquids, 2006, 127, 33-36.	2.3	5
46	Viscosity of liquid tellurium doped with 3D transition metals. Journal of Molecular Liquids, 2005, 120, 111-114.	2.3	8
47	Electronic properties and viscosity of liquid Pbâ€“Sn alloys. Journal of Alloys and Compounds, 2005, 394, 63-68.	2.8	51
48	A modified steady state apparatus for thermal conductivity measurements of liquid metals and semiconductors. Measurement Science and Technology, 2005, 16, 467-471.	1.4	27
49	Electrical conductivity and thermoelectric power of liquid tellurium doped with 3d transition metals. Semiconductors, 2004, 38, 1365-1368.	0.2	3
50	Atomic structure and physical properties of liquid Pbâ€“Bi alloys. Journal of Physics Condensed Matter, 2004, 16, 6335-6341.	0.7	19
51	Electrical Conductivity of Liquid Sb and Bi Doped with 3d Transition Metals. Inorganic Materials, 2003, 39, 811-815.	0.2	7
52	Experimental investigations of phase equilibrium in liquid immiscible Znî—¸Pb alloys. Journal of Molecular Liquids, 2003, 105, 215-219.	2.3	10
53	Electronic properties and viscosity of liquid CdTe-based alloys. Journal of Physics Condensed Matter, 2002, 14, 5711-5718.	0.7	5
54	CdTe-Ge Melt Structure Rearrangement Study. Physica Status Solidi (B): Basic Research, 2002, 229, 165-169.	0.7	5

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55	Electronic properties of liquid Tl2Te, Tl2Se, Ag2Te, Cu2Te, and Cu2Se alloys. Semiconductors, 2002, 36, 1123-1127.	0.2	13
56	Transport Properties and Viscosity of Liquid CdTe Doped with In, Ge, and Sn. Inorganic Materials, 2002, 38, 1109-1114.	0.2	2
57	Thermophysical properties of liquid ternary chalcogenides. High Temperatures - High Pressures, 2002, 34, 29-34.	0.3	1
58	Electrophysical measurements for strongly aggressive liquid semiconductors. Measurement Science and Technology, 2001, 12, 23-26.	1.4	69
59	The viscosity of liquid cadmium telluride. Journal of Crystal Growth, 2000, 212, 385-390.	0.7	14
60	Transformation of an electron spectrum in liquid ternary semiconductors. Journal of Alloys and Compounds, 2000, 312, 25-29.	2.8	4