

Anatoly D Rakhel

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

330
citations

933447

10
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct measurements and ab initio simulations for expanded fluid aluminum in the metal-nonmetal transition range. <i>Physical Review B</i> , 2008, 78, .	3.2	59
2	Electrical resistivity and equation of state measurements on hot expanded aluminum in the metal-nonmetal transition range. <i>Physical Review B</i> , 2007, 75, .	3.2	50
3	Progress in Measurements of the Electrical Conductivity of Metal Plasmas. <i>Contributions To Plasma Physics</i> , 2005, 45, 236-242.	1.1	34
4	Observation of a first-order metal-to-nonmetal phase transition in fluid iron. <i>Physical Review B</i> , 2012, 85, .	3.2	32
5	On the Critical Point of Tungsten. <i>International Journal of Thermophysics</i> , 2002, 23, 1369-1380.	2.1	26
6	Determination of Thermophysical Properties of Fluid Metals by Wire-Explosion Experiments. <i>International Journal of Thermophysics</i> , 1999, 20, 1279-1288.	2.1	24
7	Transition of expanded liquid iron to the nonmetallic state under supercritical pressure. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 649-655.	0.9	21
8	Experimental study of liquid carbon. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 265501.	1.8	16
9	Melting and Volume Vaporization Kinetics Effects in Tungsten Wires at the Heating Rates of 1012 to 1013 K/s. <i>International Journal of Thermophysics</i> , 2004, 25, 1215-1233.	2.1	15
10	Direct measurements of thermal expansion and the volume change upon melting for graphite. <i>Carbon</i> , 2016, 100, 537-539.	10.3	13
11	Electrical Resistivity and Thermodynamic Properties of Dense Tungsten Plasma. <i>International Journal of Thermophysics</i> , 2005, 26, 1137-1149.	2.1	9
12	Title is missing!. <i>International Journal of Thermophysics</i> , 1998, 19, 983-991.	2.1	8
13	Title is missing!. <i>International Journal of Thermophysics</i> , 1999, 20, 1257-1266.	2.1	7
14	Electrical Conductivity of Tungsten in a Continuous Transition from Condensed to Gaseous State. <i>International Journal of Thermophysics</i> , 2004, 25, 1203-1214.	2.1	7
15	Equation of state of fluid aluminum in the metal–nonmetal transition region. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 295602.	1.8	5
16	Metal–non-metal transition in lead–bismuth eutectic. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 195601.	1.8	4