

Sergii Nichenko

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

155
citations

1307594

7
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking atomic and mesoscopic scales for the modelling of the transport properties of uranium dioxide under irradiation. Journal of Nuclear Materials, 2015, 462, 475-495.	2.7	32
2	Molecular Dynamics study of the effects of non-stoichiometry and oxygen Frenkel pairs on the thermal conductivity of uranium dioxide. Journal of Nuclear Materials, 2013, 433, 297-304.	2.7	31
3	Thermal conductivity of porous UO ₂ : Molecular Dynamics study. Journal of Nuclear Materials, 2014, 454, 315-322.	2.7	21
4	Molecular Dynamics study of the mixed oxide fuel thermal conductivity. Journal of Nuclear Materials, 2013, 439, 93-98.	2.7	17
5	A comprehensive study of the heat capacity of CsF from T= 5 K to T= 1400 K. Journal of Chemical Thermodynamics, 2013, 57, 92-100.	2.0	15
6	Evaporation of materials from the molten salt reactor fuel under elevated temperatures. Journal of Nuclear Materials, 2020, 533, 152134.	2.7	13
7	Modelling of fission products release in VERDON-1 experiment with cGEMS: Coupling of severe accident code MELCOR with GEMS thermodynamic modelling package. Annals of Nuclear Energy, 2021, 152, 107972.	1.8	8
8	Influence of compressor oil admixtures on theoretical efficiency of a compressor system. International Journal of Refrigeration, 2009, 32, 1526-1535.	3.4	7
9	Experimental Investigation of the Enthalpy of Isobutane ⁺ Compressor Oil Solutions. Journal of Chemical & Engineering Data, 2010, 55, 1322-1326.	1.9	6
10	Emulation of short-range ordering within the Compound Energy Formalism: Application to the calcite-magnesite solid solution. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 115-125.	1.6	5
11	MSR Simulation with cGEMS: Fission Product Release and Aerosol Formation. Journal of Nuclear Engineering, 2022, 3, 105-116.	1.6	0