

Dmitriy Maltsev

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

245
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	TEM-studies of the dislocation loops and niobium-based precipitates in E110 alloy after operation in VVER-type reactor conditions. <i>Materials Characterization</i> , 2019, 150, 22-30.	4.4	12
2	Phase and structural transformations in VVER-440 RPV base metal after long-term operation and recovery annealing. <i>Journal of Nuclear Materials</i> , 2018, 501, 261-274.	2.7	12
3	Mechanism of Change In VVER-440, -1000 Vessel Material Properties in Irradiationâ€“Recovery Annealingâ€“Irradiation Cycle. <i>Atomic Energy</i> , 2018, 125, 95-102.	0.4	4
4	APT-studies of phase formation features in VVER-440 RPV weld and base metal in irradiation-annealing cycles. <i>Journal of Nuclear Materials</i> , 2018, 511, 30-42.	2.7	9
5	Mechanisms of radiation embrittlement of VVER-1000 RPV steel at irradiation temperatures of (50â€“400)Â°C. <i>Journal of Nuclear Materials</i> , 2017, 490, 247-259.	2.7	25
6	Study of the flux effect nature for VVER-1000 RPV welds with high nickel content. <i>Journal of Nuclear Materials</i> , 2017, 483, 1-12.	2.7	19
7	Specific Features of Structural-Phase State and Properties of Reactor Pressure Vessel Steel at Elevated Irradiation Temperature. <i>Science and Technology of Nuclear Installations</i> , 2017, 2017, 1-12.	0.8	2
8	Effect of subgrain structure on the kinetics of phosphorus segregation in grain boundaries. <i>Materials Letters</i> , 2015, 158, 151-154.	2.6	12
9	Investigation of high temperature annealing effectiveness for recovery of radiation-induced structural changes and properties of 18Crâ€“10Niâ€“Ti austenitic stainless steels. <i>Journal of Nuclear Materials</i> , 2015, 465, 565-581.	2.7	27
10	Chemical composition effect on VVER-1000 RPV weld metal thermalÂ“aging. <i>Journal of Nuclear Materials</i> , 2015, 465, 540-549.	2.7	17
11	Evolution of structure and properties of VVER-1000 RPV steels under accelerated irradiation up to beyond design fluences. <i>Journal of Nuclear Materials</i> , 2015, 456, 23-32.	2.7	23
12	Kinetics of phosphorus segregation at grain boundaries of low-alloy low-carbon steel. <i>Physics of Metals and Metallography</i> , 2014, 115, 146-156.	1.0	6
13	Thermal ageing mechanisms of VVER-1000 reactor pressure vessel steels. <i>Journal of Nuclear Materials</i> , 2014, 452, 348-358.	2.7	36
14	Influence of structural parameters on the tendency of VVER-1000 reactor pressure vessel steel to temper embrittlement. <i>Journal of Nuclear Materials</i> , 2013, 435, 25-31.	2.7	37
15	The Effect of Radiation-Induced Structural Changes under Accelerated Irradiation on the Behavior of Water-Cooled Reactor Pressure Vessel Steels. <i>Key Engineering Materials</i> , 0, 592-593, 573-576.	0.4	4