

Dmitriy Maltsev

List of Publications by Year in descending order

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15
papers

245
citations

933447

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1058476

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all docs

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docs citations

15
times ranked

124
citing authors

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