

Natalia E Pirogova

List of Publications by Year in descending order

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Version: 2024-02-01

5
papers

60
citations

1936888

4
h-index

2053342

5
g-index

5
all docs

5
docs citations

5
times ranked

20
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a link of embrittlement mechanisms and neutron flux effect as applied to reactor pressure vessel materials of WWER. Journal of Nuclear Materials, 2013, 434, 347-356.	1.3	30
2	Mechanisms of plastic deformation and fracture of austenitic chromium-nickel steel irradiated during 45 years in WWER-440. Journal of Nuclear Materials, 2021, 549, 152911.	1.3	15
3	Analysis of mechanisms inducing corrosion cracking of irradiated austenitic steels and development of a model for prediction of crack initiation. Engineering Failure Analysis, 2020, 107, 104235.	1.8	9
4	Correlation between grain boundary strength determined by impact test of miniature specimen and stress corrosion cracking resistance of irradiated austenitic steels used for the internals of WWER-type and PWR-type nuclear reactors. Engineering Failure Analysis, 2021, 127, 105544.	1.8	4
5	Analysis of Relationship Between the Radiation Embrittlement Mechanisms and the Influence of Neutron Flux in Respect of WWER Reactor Pressure Vessel Materials. Strength of Materials, 2013, 45, 406-423.	0.2	2