

Alexander A Sorokin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4100611/alexander-a-sorokin-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

8

papers

64

citations

5

h-index

8

g-index

8

ext. papers

74

ext. citations

3.3

avg, IF

2.18

L-index

#	Paper	IF	Citations
8	Mechanisms of plastic deformation and fracture of austenitic chromium-nickel steel irradiated during 45 years in WWER-440. <i>Journal of Nuclear Materials</i> , 2021 , 549, 152911	3.3	5
7	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. <i>Engineering Failure Analysis</i> , 2021 , 127, 105544	3.2	2
6	Analysis of mechanisms inducing corrosion cracking of irradiated austenitic steels and development of a model for prediction of crack initiation. <i>Engineering Failure Analysis</i> , 2020 , 107, 104235	3.2	7
5	The radiation swelling effect on fracture properties and fracture mechanisms of irradiated austenitic steels. Part I. Ductility and fracture toughness. <i>Journal of Nuclear Materials</i> , 2016 , 480, 52-68	3.3	24
4	The radiation swelling effect on fracture properties and fracture mechanisms of irradiated austenitic steels. Part II. Fatigue crack growth rate. <i>Journal of Nuclear Materials</i> , 2016 , 480, 15-24	3.3	3
3	Physical and mechanical modeling and prediction of fracture strain and fracture toughness of irradiated austenitic steels. <i>Engineering Failure Analysis</i> , 2015 , 47, 283-298	3.2	2
2	Physical and mechanical modelling of neutron irradiation effect on ductile fracture. Part 1. Prediction of fracture strain and fracture toughness of austenitic steels. <i>Journal of Nuclear Materials</i> , 2014 , 452, 595-606	3.3	15
1	Physical and mechanical modeling of the neutron irradiation effect on ductile fracture. Part 2. Prediction of swelling effect on drastic decrease in strength. <i>Journal of Nuclear Materials</i> , 2014 , 452, 607-613	3.3	6