

# Alexander A Sorokin

## List of Publications by Citations

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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	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> , <b>2016</b> , 480, 52-68	3.3	24
7	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> , <b>2014</b> , 452, 595-606	3.3	15
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> , <b>2020</b> , 107, 104235	3.2	7
5	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> , <b>2014</b> , 452, 607-613	3.3	6
4	Mechanisms of plastic deformation and fracture of austenitic chromium-nickel steel irradiated during 45 years in WWER-440. <i>Journal of Nuclear Materials</i> , <b>2021</b> , 549, 152911	3.3	5
3	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> , <b>2016</b> , 480, 15-24	3.3	3
2	Physical and mechanical modeling and prediction of fracture strain and fracture toughness of irradiated austenitic steels. <i>Engineering Failure Analysis</i> , <b>2015</b> , 47, 283-298	3.2	2
1	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> , <b>2021</b> , 127, 105544	3.2	2