Mechanisms of plastic deformation and fracture of austenitic chromium-nickel steel irradiated during 45 years in WWER-440

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#	Paper	IF	Citations
8	Mechanisms of Stress Corrosion Cracking of Irradiated Austenitic Chromium–Nickel Steels Used for WWER and PWR Vessel Internals. *Inorganic Materials: Applied Research*, **2021**, 12, 1701-1720	0.6	
7	Peculiarities of stress corrosion fracture of sensitized and neutron irradiated chromium-nickel austenitic steel. *Journal of Physics: Conference Series*, **2022**, 2155, 012011	0.3	0
6	Continuum modeling of dislocation channels in irradiated metals based on stochastic crystal plasticity. *International Journal of Plasticity*, **2022**, 151, 103211	7.6	0
5	On the link of the embrittlement mechanisms and microcrack nucleation and propagation properties for RPV steels. Part I. Materials, study strategy and deformation properties. *Engineering Fracture Mechanics*, **2022**, 108400	4.2	
4	Macro-Scale strain localization in highly irradiated stainless steel investigated using digital image correlation. *Acta Materialia*, **2022**, 231, 117858	8.4	1
3	General Meeting of the Division of Chemistry and Materials Science of the Russian Academy of Sciences. *Russian Chemical Bulletin*, **2022**, 71, 1313-1319	1.7	
2	Origin, parameters, and underlying deformation mechanisms of propagating deformation bands in irradiated 316L stainless steel. **2023**, 242, 118434		0
1	Simulations of the localized necking and Lüders band in irradiated metals by crystal plasticity. **2023**, 39,		0