

# Fa Garner

## List of Publications by Year in descending order

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184  
papers

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#	ARTICLE	IF	CITATIONS
1	Impact of nano-oxides and injected gas on swelling and hardening of 18Cr10NiTi stainless steel during ion irradiation. <i>Journal of Nuclear Materials</i> , 2022, 565, 153666.	1.3	7
2	Microstructure analysis of laser beam weldments performed on neutron-irradiated 304L steel containing 3 and 8 appm helium. <i>Journal of Nuclear Materials</i> , 2022, 563, 153638.	1.3	1
3	Morphology and elemental composition of a new iron-rich ferrite phase in highly irradiated austenitic steel. <i>Scripta Materialia</i> , 2022, 215, 114690.	2.6	4
4	Impact of composition modification induced by ion beam Coulomb-drag effects on the nanoindentation hardness of HT9. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 444, 68-73.	0.6	14
5	Effect of self-ion irradiation on the microstructural changes of alloy EK-181 in annealed and severely deformed conditions. <i>Journal of Nuclear Materials</i> , 2017, 487, 96-104.	1.3	30
6	Stability of nanosized oxides in ferrite under extremely high dose self ion irradiations. <i>Journal of Nuclear Materials</i> , 2017, 486, 86-95.	1.3	51
7	Accelerated materials evaluation for nuclear applications. <i>Journal of Nuclear Materials</i> , 2017, 488, 46-62.	1.3	21
8	Radiation instability of equal channel angular extruded T91 at ultra-high damage levels. <i>Acta Materialia</i> , 2017, 132, 395-404.	3.8	31
9	Effect of tube processing methods on microstructure, mechanical properties and irradiation response of 14YWT nanostructured ferritic alloys. <i>Acta Materialia</i> , 2017, 134, 116-127.	3.8	49
10	Radiation response of oxide-dispersion-strengthened alloy MA956 after self-ion irradiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 409, 259-263.	0.6	13
11	Influence of injected interstitials on the void swelling in two structural variants of 304L stainless steel induced by self-ion irradiation at 500 Å°C. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 409, 323-327.	0.6	23
12	Temperature dependent dispersoid stability in ion-irradiated ferritic-martensitic dual-phase oxide-dispersion-strengthened alloy: Coherent interfaces vs. incoherent interfaces. <i>Acta Materialia</i> , 2016, 116, 29-42.	3.8	73
13	Influence of displacement damage on deuterium and helium retention in austenitic and ferritic-martensitic alloys considered for ADS service. <i>Journal of Nuclear Materials</i> , 2016, 468, 274-280.	1.3	5
14	Radiation response of alloy T91 at damage levels up to 1000 peak dpa. <i>Journal of Nuclear Materials</i> , 2016, 482, 257-265.	1.3	59
15	Monte Carlo modeling of cavity imaging in pure iron using back-scatter electron scanning microscopy. <i>Journal of Nuclear Materials</i> , 2016, 480, 420-428.	1.3	4
16	Simulated spatial and temporal dependence of chromium concentration in pure Fe and Fe 14%Cr under high dpa ion irradiation. <i>Journal of Nuclear Materials</i> , 2016, 479, 23-35.	1.3	13
17	Modeling injected interstitial effects on void swelling in self-ion irradiation experiments. <i>Journal of Nuclear Materials</i> , 2016, 471, 200-207.	1.3	61
18	Analysis of structure and deformation behavior of AISI 316L tensile specimens from the second operational target module at the Spallation Neutron Source. <i>Journal of Nuclear Materials</i> , 2016, 468, 210-220.	1.3	12

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19	Use of double and triple-ion irradiation to study the influence of high levels of helium and hydrogen on void swelling of 8% Cr ferritic-martensitic steels. Journal of Nuclear Materials, 2016, 468, 264-273.	1.3	44
20	Swelling of safety rod guide tubes in nonuniform fields of temperature and irradiation. Nuclear Energy and Technology, 2015, 1, 88-92.	0.1	0
21	Microchemical and microstructural evolution of AISI 304 stainless steel irradiated in EBR-II at PWR-relevant dpa rates. Journal of Nuclear Materials, 2015, 467, 692-702.	1.3	29
22	The influence of ion beam rastering on the swelling of self-ion irradiated pure iron at 450°C. Journal of Nuclear Materials, 2015, 465, 343-348.	1.3	82
23	Microstructural characterization and density change of 304 stainless steel reflector blocks after long-term irradiation in EBR-II. Journal of Nuclear Materials, 2015, 465, 516-530.	1.3	28
24	Microstructural changes and void swelling of a 12Cr ODS ferritic-martensitic alloy after high-dpa self-ion irradiation. Journal of Nuclear Materials, 2015, 467, 42-49.	1.3	80
25	Inhomogeneity of microstructure, mechanical properties, magnetism, and corrosion observed in a 12Cr18Ni10Ti fuel assembly shroud irradiated in BN-350 to 59 dpa. Journal of Nuclear Materials, 2015, 467, 899-910.	1.3	9
26	Ion-induced swelling of ODS ferritic alloy MA957 tubing to 500 dpa. Journal of Nuclear Materials, 2014, 453, 323-333.	1.3	90
27	Magnetic phase formation in irradiated austenitic alloys. Journal of Nuclear Materials, 2014, 448, 294-300.	1.3	23
28	Effect of defect imbalance on void swelling distributions produced in pure iron irradiated with 3.5 MeV self-ions. Journal of Nuclear Materials, 2014, 453, 176-181.	1.3	104
29	On the use of SRIM for computing radiation damage exposure. Nuclear Instruments & Methods in Physics Research B, 2013, 310, 75-80.	0.6	1,126
30	Development of a nondestructive inspection method for irradiation-induced microstructural evolution of thick 304 stainless steel blocks. Journal of Nuclear Materials, 2013, 440, 500-507.	1.3	25
31	Synergistic effects of helium and hydrogen on self-ion-induced swelling of austenitic 18Cr10NiTi stainless steel. Journal of Nuclear Materials, 2013, 442, S817-S820.	1.3	25
32	Microstructure and swelling of neutron irradiated nickel and binary nickel alloys. Journal of Nuclear Materials, 2013, 442, S809-S812.	1.3	16
33	Prediction of void swelling in the baffle ring of WWER-1000 reactors for service life of 30-60 years. Journal of Nuclear Materials, 2013, 437, 415-423.	1.3	19
34	Microstructural defect evolution in neutron irradiated 12Cr18Ni9Ti stainless steel during subsequent isochronous annealing. Journal of Nuclear Materials, 2013, 439, 148-158.	1.3	14
35	Radiation Damage in Austenitic Steels. , 2012, , 33-95.		87
36	Irradiation creep and density changes observed in MA957 pressurized tubes irradiated to doses of 40-110 dpa at 400-750°C in FFTF. Journal of Nuclear Materials, 2012, 428, 170-175.	1.3	22

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37	Effects of dpa rate on swelling in neutron-irradiated Fe-Cr and Fe-Cr-Mo alloys. Journal of Nuclear Materials, 2011, 417, 944-948.	1.3	10
38	Mechanical properties of high-nickel alloys EP-753 and DD-16 after neutron irradiation to 54 dpa at 400-650 Å. Journal of Nuclear Materials, 2011, 412, 30-34.	1.3	3
39	Microstructural stability of an HT-9 fuel assembly duct irradiated in FFTF. Journal of Nuclear Materials, 2011, 414, 237-242.	1.3	37
40	Swelling and creep observed in AISI 304 fuel pin cladding from three MOX fuel assemblies irradiated in EBR-II. Journal of Nuclear Materials, 2011, 413, 53-61.	1.3	12
41	Prediction of swelling of 18Cr10NiTi austenitic steel over a wide range of displacement rates. Journal of Nuclear Materials, 2010, 399, 114-121.	1.3	36
42	Peculiarities of plastic flow involving deformation waves observed during low-temperature tensile tests of highly irradiated 12Cr18Ni10Ti and 08Cr16Ni11Mo3 steels. Journal of Nuclear Materials, 2010, 403, 121-125.	1.3	34
43	Void swelling and irradiation creep in light water reactor (LWR) environments. , 2010, , 308-356.		28
44	Nano-cavities observed in a 316SS PWR flux thimble tube irradiated to 33 and 70dpa. Journal of Nuclear Materials, 2009, 384, 249-255.	1.3	64
45	Severe embrittlement of neutron irradiated austenitic steels arising from high void swelling. Journal of Nuclear Materials, 2009, 386-388, 157-160.	1.3	35
46	Anisotropic swelling observed during stress-free reirradiation of AISI 304 tubes previously irradiated under stress. Journal of Nuclear Materials, 2009, 386-388, 249-253.	1.3	11
47	Anomalous large deformation of 12Cr18Ni10Ti austenitic steel irradiated to 55dpa at 310°C in the BN-350 reactor. Journal of Nuclear Materials, 2009, 386-388, 273-276.	1.3	24
48	Microstructural analysis of an HT9 fuel assembly duct irradiated in FFTF to 155dpa at 443°C. Journal of Nuclear Materials, 2009, 393, 235-241.	1.3	75
49	Influence of silicon on swelling and microstructure in Russian austenitic stainless steel EI-847 irradiated to high neutron doses. Journal of Nuclear Materials, 2008, 378, 17-24.	1.3	25
50	Neutron-induced swelling and embrittlement of pure iron and pure nickel irradiated in the BN-350 and BOR-60 fast reactors. Journal of Nuclear Materials, 2008, 375, 359-364.	1.3	43
51	Very high swelling and embrittlement observed in a Fe-18Cr-10Ni-Ti hexagonal fuel wrapper irradiated in the BOR-60 fast reactor. Journal of Nuclear Materials, 2008, 378, 327-332.	1.3	28
52	Determination of neutron exposure of AISI 304 stainless steel from a BWR top guide using retrospective dosimetry. Journal of Nuclear Materials, 2007, 361, 1-9.	1.3	7
53	The influence of cold-work level on the irradiation creep and swelling of AISI 316 stainless steel irradiated as pressurized tubes in the EBR-II fast reactor. Journal of Nuclear Materials, 2007, 367-370, 954-959.	1.3	12
54	The synergistic influence of temperature and displacement rate on microstructural evolution of ion-irradiated Fe-15Cr-16Ni model austenitic alloy. Journal of Nuclear Materials, 2007, 367-370, 930-934.	1.3	31

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55	Influence of carbon addition on neutron-induced void swelling of Fe-15Cr-16Ni-0.25Ti model alloy. Journal of Nuclear Materials, 2007, 367-370, 897-903.	1.3	15
56	Void swelling of AISI 321 analog stainless steel irradiated at low dpa rates in the BN-350 reactor. Journal of Nuclear Materials, 2007, 367-370, 990-994.	1.3	17
57	The mechanism of stress influence on swelling of 20% cold-worked 16Cr15Ni2MoTiMnSi steel. Journal of Nuclear Materials, 2007, 367-370, 925-929.	1.3	11
58	Swelling and microstructure of pure Fe and Fe-Cr alloys after neutron irradiation to $\sim 1/4$ 26 dpa at 400 Å°C. Journal of Nuclear Materials, 2006, 355, 124-130.	1.3	75
59	Displacement and helium-induced enhancement of hydrogen and deuterium retention in ion-irradiated 18Cr10NiTi stainless steel. Journal of Nuclear Materials, 2006, 356, 136-147.	1.3	36
60	Retention of hydrogen in fcc metals irradiated at temperatures leading to high densities of bubbles or voids. Journal of Nuclear Materials, 2006, 356, 122-135.	1.3	85
61	The effects of fast reactor irradiation conditions on the tensile properties of two ferritic/martensitic steels. Journal of Nuclear Materials, 2006, 356, 62-69.	1.3	29
62	Microstructure and mechanical properties of austenitic stainless steel 12X18H9T after neutron irradiation in the pressure vessel of BR-10 fast reactor at very low dose rates. Journal of Nuclear Materials, 2006, 359, 41-49.	1.3	24
63	High-dose neutron irradiation of MgAl <sub>2</sub> O <sub>4</sub> spinel: effects of post-irradiation thermal annealing on EPR and optical absorption. Journal of Nuclear Materials, 2005, 336, 156-162.	1.3	30
64	Cross-sectional TEM and X-ray examination of radiation-induced stress relaxation of peened stainless steel surfaces. Journal of Nuclear Materials, 2005, 336, 314-322.	1.3	12
65	Characterization of 08Cr16Ni11Mo <sub>3</sub> stainless steel irradiated in the BN-350 reactor. Journal of Nuclear Materials, 2004, 329-333, 625-629.	1.3	19
66	Impact of transmutation issues on interpretation of data obtained from fast reactor irradiation experiments. Journal of Nuclear Materials, 2004, 329-333, 1147-1150.	1.3	11
67	Irradiation creep and swelling from 400 to 600 Å°C of the oxide dispersion strengthened ferritic alloy MA957. Journal of Nuclear Materials, 2004, 329-333, 352-355.	1.3	79
68	Influence of high dose neutron irradiation on microstructure of EP-450 ferritic-martensitic steel irradiated in three Russian fast reactors. Journal of Nuclear Materials, 2004, 329-333, 319-323.	1.3	27
69	Microstructure and mechanical properties of ferritic/martensitic steel EP-823 after neutron irradiation to high doses in BOR-60. Journal of Nuclear Materials, 2004, 329-333, 314-318.	1.3	36
70	Influence of radiation-induced voids and bubbles on physical properties of austenitic structural alloys. Journal of Nuclear Materials, 2004, 329-333, 617-620.	1.3	21
71	The strong influence of displacement rate on void swelling in variants of Fe-16Cr-15Ni-3Mo austenitic stainless steel irradiated in BN-350 and BOR-60. Journal of Nuclear Materials, 2004, 329-333, 621-624.	1.3	18
72	Synergistic influence of displacement rate and helium/dpa ratio on swelling of Fe-(9, 12)Cr binary alloys in FFTF at $\sim 1/4$ 400 Å°C. Journal of Nuclear Materials, 2004, 329-333, 1008-1012.	1.3	23

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73	Influence of irradiation temperature and dose gradients on the microstructural evolution in neutron-irradiated 316SS. Journal of Nuclear Materials, 2003, 317, 32-45.	1.3	141
74	Void swelling at low displacement rates in annealed 12X18HgT stainless steel at 4â€“56 dpa and 280â€“332 Å°C. Journal of Nuclear Materials, 2002, 307-311, 339-342.	1.3	23
75	The primary origin of dose rate effects on microstructural evolution of austenitic alloys during neutron irradiation. Journal of Nuclear Materials, 2002, 307-311, 322-326.	1.3	69
76	Helium and hydrogen generation in pure metals irradiated with high-energy protons and spallation neutrons in LANSCE. Journal of Nuclear Materials, 2002, 307-311, 1471-1477.	1.3	14
77	Correlation of radiation-induced changes in mechanical properties and microstructural development of Alloy 718 irradiated with mixed spectra of high-energy protons and spallation neutrons. Journal of Nuclear Materials, 2001, 296, 145-154.	1.3	36
78	Determination of helium and hydrogen yield from measurements on pure metals and alloys irradiated by mixed high energy proton and spallation neutron spectra in LANSCE. Journal of Nuclear Materials, 2001, 296, 66-82.	1.3	57
79	High-sensitivity quadrupole mass spectrometry system for the determination of hydrogen in irradiated materials. Journal of Nuclear Materials, 2000, 283-287, 1006-1010.	1.3	14
80	Swelling, irradiation creep and growth of pure rhenium irradiated with fast neutrons at 1030â€“1330Å°C. Journal of Nuclear Materials, 2000, 283-287, 380-385.	1.3	15
81	Microstructural evolution of Alloy 718 at high helium and hydrogen generation rates during irradiation with 600â€“800 MeV protons. Journal of Nuclear Materials, 2000, 283-287, 324-328.	1.3	31
82	Influence of cold work to increase swelling of pure iron irradiated in the BR-10 reactor to 1/46 and 1/425 dpa at 1/4400Å°C. Journal of Nuclear Materials, 2000, 283-287, 157-160.	1.3	15
83	Compositional and temperature dependence of void swelling in model Feâ€“Cr base alloys irradiated in the EBR-II fast reactor. Journal of Nuclear Materials, 2000, 283-287, 164-168.	1.3	47
84	Void swelling and irradiation creep of two high-nickel steels after irradiation at 400â€“410Å°C to 84â€“91 dpa in the BN-350 fast reactor. Journal of Nuclear Materials, 2000, 283-287, 239-243.	1.3	3
85	Shear punch and tensile measurements of mechanical property changes induced in various austenitic alloys by high-energy mixed proton and neutron irradiation at low temperatures. Journal of Nuclear Materials, 2000, 283-287, 418-422.	1.3	26
86	Comparison of swelling and irradiation creep behavior of fcc-austenitic and bcc-ferritic/martensitic alloys at high neutron exposure. Journal of Nuclear Materials, 2000, 276, 123-142.	1.3	455
87	Temperature-Shift of Void Swelling Observed in Annealed Fe-18Cr-10Ni-Ti Stainless Steel Irradiated in the Reflector Region of BOR-60. , 2000, , 792-800.		2
88	Contribution to irradiation creep arising from gas-driven bubble growth. Journal of Nuclear Materials, 1999, 271-272, 78-83.	1.3	7
89	The influence of neutron spectrum and irradiation history on microstructural evolution in fusion structural materials. Journal of Nuclear Materials, 1998, 258-263, 130-139.	1.3	13
90	Dose dependence of neutron irradiation effects on MgAl2O4 spinels. Journal of Nuclear Materials, 1998, 258-263, 1902-1907.	1.3	21

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91	Irradiation creep and stress-enhanced swelling of Fe-16Cr-15Ni-Nb austenitic stainless steel in BN-350. Journal of Nuclear Materials, 1998, 258-263, 1618-1622.	1.3	8
92	Flux and composition dependence of irradiation creep of austenitic alloys irradiated in PFR at $\sim 1/4 420^{\circ}\text{C}$ . Journal of Nuclear Materials, 1998, 258-263, 1606-1612.	1.3	10
93	Irradiation creep of various ferritic alloys irradiated at $\sim 1/4 400^{\circ}\text{C}$ in the PFR and FFTF reactors. Journal of Nuclear Materials, 1998, 258-263, 1163-1166.	1.3	20
94	Swelling and void-induced embrittlement of austenitic stainless steel irradiated to 73-82 dpa at 335-365 $^{\circ}\text{C}$ . Journal of Nuclear Materials, 1998, 258-263, 1613-1617.	1.3	27
95	The dependence of irradiation creep in austenitic alloys on displacement rate and helium to dpa ratio. Journal of Nuclear Materials, 1998, 258-263, 1718-1724.	1.3	16
96	The dependence of helium generation rate on nickel content of Fe-Cr-Ni alloys irradiated to high dpa levels in EBR-II. Journal of Nuclear Materials, 1998, 258-263, 1740-1744.	1.3	16
97	Factors which control the swelling of Fe-Cr-Ni ternary austenitic alloys. Journal of Nuclear Materials, 1997, 245, 124-130.	1.3	19
98	Irradiation creep and void swelling of austenitic stainless steels at low displacement rates in light water energy systems. Journal of Nuclear Materials, 1997, 251, 252-261.	1.3	60
99	Optical and dielectric properties of neutron irradiated MgAl <sub>2</sub> O <sub>4</sub> spinels. Journal of Nuclear Materials, 1996, 233-237, 1336-1339.	1.3	27
100	Hydrogen generation arising from the $^{59}\text{Ni}(n, p)$ reaction and its impact on fission-fusion correlations. Journal of Nuclear Materials, 1996, 233-237, 1530-1534.	1.3	47
101	Displacement rate dependence of irradiation creep as predicted by the production bias model. Journal of Nuclear Materials, 1996, 233-237, 974-978.	1.3	2
102	Irradiation creep and void swelling of two LMR heats of HT9 at $\sim 1/4 400^{\circ}\text{C}$ and 165 dpa. Journal of Nuclear Materials, 1996, 233-237, 289-292.	1.3	35
103	Cation disorder in high dose, neutron-irradiated spinel. Journal of Nuclear Materials, 1995, 219, 128-134.	1.3	150
104	Elastic stability of high dose neutron irradiated spinel. Journal of Nuclear Materials, 1995, 219, 139-142.	1.3	11
105	Why is magnesia spinel a radiation-resistant material?. Journal of Nuclear Materials, 1995, 219, 143-151.	1.3	62
106	The influence of silicon and phosphorus additions on neutron induced microstructural evolution of FeCrNi ternary alloys at 646-703 K. Journal of Nuclear Materials, 1995, 225, 76-84.	1.3	8
107	Neutron-induced changes in optical properties of MgAl <sub>2</sub> O <sub>4</sub> spinel. Journal of Nuclear Materials, 1995, 219, 135-138.	1.3	8
108	Dimensional stability, optical and elastic properties of MgAl <sub>2</sub> O <sub>4</sub> spinel irradiated in FFTF to very high exposures. Journal of Nuclear Materials, 1994, 212-215, 1087-1090.	1.3	38

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109	Influence of high dose neutron irradiation at 385 and 750°C on the microhardness of MgAl <sub>2</sub> O <sub>4</sub> spinel. Journal of Nuclear Materials, 1994, 212-215, 1096-1100.	1.3	17
110	Saturation of swelling in neutron-irradiated molybdenum and its dependence on irradiation temperature and starting microstructural state. Journal of Nuclear Materials, 1994, 212-215, 1298-1302.	1.3	34
111	Influence of helium generation rate and temperature history on mechanical properties of model Fe-Cr-Ni alloys irradiated in FFTF at relatively low displacement rates. Journal of Nuclear Materials, 1994, 212-215, 325-329.	1.3	3
112	An assessment of the <sup>59</sup> Ni isotopic tailoring technique to study the influence of ratio. Journal of Nuclear Materials, 1994, 212-215, 492-497.	1.3	16
113	Relationship between swelling and irradiation creep in cold-worked PCA stainless steel irradiated to ~ 178 dpa at ~ 400°C. Journal of Nuclear Materials, 1994, 212-215, 509-513.	1.3	18
114	Irradiation creep and swelling of the US fusion heats of HT9 and 9Cr-1Mo to 208 dpa at ~ 400°C. Journal of Nuclear Materials, 1994, 212-215, 604-607.	1.3	111
115	Transmutation of Mo, Re, W, Hf, and V in various irradiation test facilities and STARFIRE. Journal of Nuclear Materials, 1994, 212-215, 635-639.	1.3	91
116	Evolution of microstructure in face-centered cubic metals during irradiation. Journal of Nuclear Materials, 1993, 205, 98-117.	1.3	71
117	Influence of details of reactor history on microstructural development during neutron irradiation. Journal of Nuclear Materials, 1993, 205, 206-218.	1.3	36
118	High dose effects in neutron irradiated face-centered cubic metals. Journal of Nuclear Materials, 1993, 206, 230-248.	1.3	22
119	Influence of cold-work and phosphorus content on neutron-induced swelling of ternary Fe-Cr-Ni alloys. Journal of Nuclear Materials, 1993, 199, 132-142.	1.3	12
120	The complex role of phosphorus in the neutron-induced swelling of titanium-modified austenitic stainless steels. Journal of Nuclear Materials, 1992, 187, 223-229.	1.3	16
121	The strong influence of temper annealing conditions on the neutron-induced swelling of cold-worked austenitic steels. Journal of Nuclear Materials, 1992, 189, 201-209.	1.3	15
122	Determination of the creep compliance and creep-swelling coupling coefficient for neutron irradiated titanium-modified stainless steels at ~ 400°C. Journal of Nuclear Materials, 1992, 191-194, 803-807.	1.3	16
123	Irradiation and thermal creep of a titanium-modified austenitic stainless steel and its dependence on cold work level. Journal of Nuclear Materials, 1992, 191-194, 813-817.	1.3	6
124	The impact of spectral effects in fast reactors on data analysis and development of fission-fusion correlations. Journal of Nuclear Materials, 1992, 191-194, 1096-1100.	1.3	2
125	Microstructures of neutron-irradiated Fe-Cr-XMn (X = 15-30) ternary alloys. Journal of Nuclear Materials, 1992, 191-194, 1198-1203.	1.3	6
126	Production bias: a proposed modification of the driving force for void swelling under cascade damage conditions. Journal of Nuclear Materials, 1992, 191-194, 1224-1228.	1.3	18



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127	The effect of helium on microstructural evolution and mechanical properties of austenitic steels as determined by spectral tailoring experiments. Journal of Nuclear Materials, 1992, 191-194, 1234-1238.	1.3	11
128	The influence of helium on mechanical properties of model austenitic alloys, determined using <sup>59</sup> Ni isotopic tailoring and fast reactor irradiation. Journal of Nuclear Materials, 1992, 191-194, 1239-1243.	1.3	13
129	Silicon's role in determining swelling in neutron-irradiated Fe-Ni-Cr-Si alloys. Journal of Nuclear Materials, 1992, 191-194, 1244-1247.	1.3	16
130	Swelling and microstructure of high purity nickel irradiated with fast neutrons in EBR-II. Journal of Nuclear Materials, 1992, 191-194, 1295-1299.	1.3	24
131	A SIPA-based theory of irradiation creep in the low swelling rate regime. Journal of Nuclear Materials, 1992, 191-194, 1309-1312.	1.3	21
132	High swelling rates observed in neutron-irradiated V-Cr and V-Si binary alloys. Journal of Nuclear Materials, 1992, 191-194, 948-951.	1.3	30
133	New developments in fusion materials research using surrogate neutron spectra. Journal of Nuclear Materials, 1991, 179-181, 111-117.	1.3	3
134	Synergistic effects of helium and other variables on microstructure change in neutron-irradiated Fe-Ni-Cr alloys doped with <sup>59</sup> Ni. Journal of Nuclear Materials, 1991, 179-181, 511-514.	1.3	13
135	The relative influence of helium/dpa ratio and other variables on neutron-induced swelling of Fe-Ni-Cr alloys at 495°C and 14 dpa. Journal of Nuclear Materials, 1991, 179-181, 523-525.	1.3	12
136	Microstructural investigation of swelling dependence on nickel content in fast neutron-irradiated Fe-Cr-Ni austenitic ternaries. Journal of Nuclear Materials, 1991, 179-181, 546-549.	1.3	19
137	Isotopic tailoring with <sup>59</sup> Ni to study the influence of helium/dpa ratio on tensile property changes. Journal of Nuclear Materials, 1991, 179-181, 554-557.	1.3	10
138	Irradiation creep and swelling of the fusion heats of PCA, HT9 and 9Cr-1Mo irradiated to high neutron fluence. Journal of Nuclear Materials, 1991, 179-181, 577-580.	1.3	41
139	Irradiation creep and swelling of annealed Type 304L stainless steel at ~ 390°C and high neutron fluence. Journal of Nuclear Materials, 1991, 179-181, 581-584.	1.3	34
140	Neutron-induced swelling of model Fe-Cr-Mn-Ni alloys and commercial manganese-stabilized steels. Journal of Nuclear Materials, 1991, 179-181, 633-636.	1.3	9
141	The solute dependence of bias factors in irradiated Fe-Ni alloys. Journal of Nuclear Materials, 1991, 179-181, 1096-1099.	1.3	9
142	Tensile behavior and swelling of ternary austenitic alloys irradiated in different neutron spectra. Journal of Nuclear Materials, 1991, 179-181, 558-562.	1.3	14
143	Influence of transmutation and high neutron fluence on materials used in fission-fusion correlation experiments. Journal of Nuclear Materials, 1990, 174, 229-239.	1.3	10
144	The effect of phosphorus on microstructures of Fe-15Cr-25Ni alloys irradiated with fast neutrons. Journal of Nuclear Materials, 1989, 168, 109-120.	1.3	28

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145	Dimensional change correlations for 20% cold-worked AISI 316 stainless steel for fusion applications. Journal of Nuclear Materials, 1988, 155-157, 845-849.	1.3	15
146	Phase instabilities in irradiated simple Fe-Cr-Mn low activation alloys. Journal of Nuclear Materials, 1988, 155-157, 877-882.	1.3	25
147	The influence of solute segregation on void swelling in Fe-Cr based alloys. Journal of Nuclear Materials, 1988, 155-157, 908-911.	1.3	6
148	Irradiation creep and embrittlement behavior of AISI 316 stainless steel at very high neutron fluences. Journal of Nuclear Materials, 1988, 159, 114-121.	1.3	38
149	Irradiation creep mechanisms: An experimental perspective. Journal of Nuclear Materials, 1988, 159, 286-309.	1.3	89
150	The influence of Mo, Si, P, C, Ti, Cr, Zr and various trace elements on the neutron-induced swelling of AISI 316 stainless steel. Journal of Nuclear Materials, 1988, 155-157, 833-837.	1.3	39
151	Response of Fe-Cr-Mn austenitic alloys to thermal aging and neutron irradiation. Journal of Nuclear Materials, 1988, 155-157, 870-876.	1.3	26
152	Irradiation creep and swelling of AISI 316 to exposures of 130 dpa at 385-400°C. Journal of Nuclear Materials, 1988, 155-157, 1006-1013.	1.3	46
153	A third stage of irradiation creep involving its cessation at high neutron exposures. Journal of Nuclear Materials, 1987, 148, 279-287.	1.3	28
154	The possible influence of order-disorder transformations on the swelling of 85Ni-15Cr nichrome alloy. Journal of Nuclear Materials, 1987, 148, 288-293.	1.3	5
155	Neutron irradiation of Fe-Mn, Fe-Cr-Mn and Fe-Cr-Ni alloys and an explanation of their differences in swelling behavior. Journal of Nuclear Materials, 1987, 148, 294-301.	1.3	52
156	Ion-induced spinodal-like decomposition of Fe-Ni-Cr invar alloys. Nuclear Instruments & Methods in Physics Research B, 1986, 16, 244-250.	0.6	30
157	Application of high fluence fast reactor data to fusion-relevant materials problems. Journal of Nuclear Materials, 1985, 133-134, 113-118.	1.3	9
158	The swelling behavior of manganese-bearing AISI 216 steel. Journal of Nuclear Materials, 1985, 133-134, 521-524.	1.3	4
159	Swelling behavior of titanium-modified alloys in EBR-II. Journal of Nuclear Materials, 1985, 133-134, 535-539.	1.3	18
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