Shaojun Liu

List of Publications by Year
in descending order

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38	653	567281 15	610901 24
papers	citations	h-index	g-index

38	38	38	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in development of CLAM steel and fabrication of small TBM in China. Journal of Nuclear Materials, 2011, 417, 85-88.	2.7	68
2	Microstructure and its influence on mechanical properties of CLAM steel. Fusion Engineering and Design, 2012, 87, 1628-1632.	1.9	49
3	Effect of Thermal Aging on Microstructure and Mechanical Properties of China Low-Activation Martensitic Steel at 550ÂÂ°C. Nuclear Engineering and Technology, 2016, 48, 518-524.	2.3	48
4	Influence of different cooling rates on the microstructure of the HAZ and welding CCT diagram of CLAM steel. Fusion Engineering and Design, 2011, 86, 2616-2619.	1.9	46
5	Influence of non-metal inclusions on mechanical properties of CLAM steel. Fusion Engineering and Design, 2009, 84, 1214-1218.	1.9	43
6	Welding techniques development of CLAM steel for Test Blanket Module. Fusion Engineering and Design, 2009, 84, 1184-1187.	1.9	41
7	Microstructure anisotropy and its effect on mechanical properties of reduced activation ferritic/martensitic steel fabricated by selective laser melting. Journal of Nuclear Materials, 2018, 500, 33-41.	2.7	39
8	Effect of post-weld heat treatment on the mechanical properties of electron beam welded joints for CLAM steel. Journal of Nuclear Materials, 2013, 442, 512-517.	2.7	30
9	Latest progress on R&D of ITER DFLL-TBM in China. Fusion Engineering and Design, 2011, 86, 2611-2615.	1.9	27
10	Preliminary study of HDA coating on CLAM steel followed by high temperature oxidation. Journal of Nuclear Materials, 2013, 442, S597-S602.	2.7	25
11	Creep deformation and rupture behavior of CLAM steel at 823 K and 873 K. Journal of Nuclear Materials, 2014, 455, 640-644.	2.7	24
12	Effect of tantalum content on microstructure and tensile properties of CLAM steel. Fusion Engineering and Design, 2016, 104, 21-27.	1.9	21
13	Compatibility of atmospheric plasma sprayed Al2O3 coatings on CLAM with liquid LiPb. Fusion Engineering and Design, 2010, 85, 1469-1473.	1.9	19
14	Preliminary analysis of irradiation effects on CLAM after low dose neutron irradiation. Journal of Nuclear Materials, 2009, 386-388, 312-314.	2.7	17
15	Vacuum plasma sprayed FeAl/Al2O3 functionally graded coatings for fusion reactor applications. Fusion Engineering and Design, 2010, 85, 1542-1545.	1.9	16
16	A new method for fast statistical measurement of interfacial misfit strain around nano-scale semi-coherent particles. RSC Advances, 2017, 7, 28506-28512.	3.6	12
17	Fracture toughness and fracture behavior of CLAM steel in the temperature range of 450â€Â°Câ€“550â€Â°C. Journal of Nuclear Materials, 2018, 501, 200-207.	2.7	12
18	Progress in development of fabrication of small TBMs for EAST and ITER. Fusion Engineering and Design, 2010, 85, 2192-2195.	1.9	10

#	Article	IF	Citations
19	Microstructure evolution of the oxide dispersion strengthened CLAM steel during mechanical alloying process. Fusion Engineering and Design, 2016, 112, 460-467.	1.9	10
20	The dislocation-based fatigue deformation mechanism of a RAFM steel under multi-axial loadings. Journal of Nuclear Materials, 2022, 558, 153324.	2.7	10
21	Overview on the welding technologies of CLAM steel and the DFLL TBM fabrication. Nuclear Materials and Energy, 2016, 9, 317-323.	1.3	8
22	Compatibility of SiC with static liquid LiPb at 800Â°C. Fusion Engineering and Design, 2011, 86, 2655-2657.	1.9	7
23	Effects of tube rolling and heat treatment on microstructure and mechanical properties of CLAM rectangular tube. Fusion Engineering and Design, 2011, 86, 2602-2606.	1.9	7
24	Verification of the effect of surface preparation on Hot Isostatic Pressing diffusion bonding joints of CLAM steel. Journal of Nuclear Materials, 2014, 455, 486-490.	2.7	7
25	Low cycle fatigue properties of CLAM steel at 450 Â°C and 550 Â°C. Fusion Engineering and Design, 2016, 112, 213-217.	1.9	7
26	Fracture toughness of China low activation martensitic (CLAM) steel at room temperature. Fusion Engineering and Design, 2014, 89, 426-430.	1.9	6
27	Microstructure evolution and toughness degeneration of 9Cr martensitic steel after aging at 550ÂÂ°C for 20000Âh. Journal of Materials Science, 2018, 53, 4574-4581.	3.7	6
28	Effect of silicon on oxidation behavior of 9Cr-ODS steel at 650 Â°C. Fusion Engineering and Design, 2021, 167, 112384.	1.9	6
29	Fabrication Technique Development of Dual Functional Lithium Lead Test Blanket Module. Fusion Science and Technology, 2014, 66, 180-186.	1.1	5
30	Effect of Tantalum Content on Creep Properties of CLAM Steel. Journal of Fusion Energy, 2016, 35, 193-198.	1.2	5
31	High-temperature fatigue behavior and cyclic deformation of a gradient nanostructured RAFM steel. International Journal of Fatigue, 2022, 163, 107013.	5.7	5
32	Enhanced fatigue property by fabricating a gradient nanostructured surface layer in a reduced-activation steel. Progress in Natural Science: Materials International, 2022, 32, 385-391.	4.4	4
33	High cycle fatigue properties of CLAM steel at 723 K and 823 K. Fusion Engineering and Design, 2015, 100, 608-613.	1.9	3
34	Effect of Tantalum content on the low cycle fatigue properties of CLAM steel at 823 K. Fusion Engineering and Design, 2017, 114, 211-218.	1.9	3
35	Effect of simulated stress-relieving heat treatment on microstructure and tensile properties of CLAM steel. Fusion Engineering and Design, 2019, 148, 111287.	1.9	3
36	Influence of Quenching Process on Structure and Microhardness of CLAM Steel. Fusion Science and Technology, 2011, 60, 394-398.	1.1	2

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37	Effect of weld spacing on microstructure and mechanical properties of CLAM electron beam welding joints. Fusion Engineering and Design, 2016, 112, 440-449.	1.9	1
38	Interface characteristics and solute segregation behavior on CLAM steel. Materials Research Express, 2019, 6, 116555.	1.6	1