Chao Fang

List of Publications by Year
in descending order

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Version: 2024-02-01

18	203	1040056	1058476
papers	citations	9	14
		h-index	g-index

18	18	18	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solidification cracking sensibility of narrow gap laser welding on ITER-grade austenitic stainless steel. Fusion Engineering and Design, 2021, 162, 112068.	1.9	5
2	Preliminary Design of CFETR TF Prototype Coil. Journal of Fusion Energy, 2021, 40, 1.	1.2	17
3	20â€‰kW laser welding applied on the international thermonuclear experimental reactor correction coil case welding. Journal of Laser Applications, 2020, 32, 022039.	1.7	2
4	Stirring effect of the rotating arc on the molten pool during non-axisymmetric tungsten NG-GTAW. Journal of Materials Processing Technology, 2020, 285, 116769.	6.3	14
5	Microstructure and Mechanical Properties of the Enclosure Welding Joint for ITER Correction Coils Cases. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-8.	1.7	1
6	Corrections to â€œMicrostructure and Mechanical Properties of ITER Correction Coil Case Materialâ€• [Oct 17 Art. no. 4201707]. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-1.	1.7	1
7	Deep penetration laser welding of austenitic stainless steel thick-plates using a 20â€‰kW fiber laser. Journal of Laser Applications, 2020, 32, .	1.7	24
8	Numerical simulation of the ITER BTCC prototype case enclosure welding. Fusion Engineering and Design, 2020, 154, 111538.	1.9	4
9	Investigation on the microstructure and mechanical properties of autogenous laser welding joint of ITER BTCC case lid. Fusion Engineering and Design, 2020, 156, 111607.	1.9	1
10	Analysis of the fracture mechanism at cryogenic temperatures of thick 316LN laser welded joints. Fusion Engineering and Design, 2019, 148, 111277.	1.9	4
11	Microstructure and mechanical properties of ultra-narrow gap laser weld joint of 100â€‰mm-thick SUS304 steel plates. Journal of Materials Processing Technology, 2019, 265, 130-137.	6.3	31
12	Correlation between microstructure evolution and cryogenic fracture toughness in aging ITER-grade 316LN weldments. Cryogenics, 2018, 96, 144-150.	1.7	11
13	Development of welding and processing technologies of helium inlet for ITER Correction Coil. Fusion Engineering and Design, 2018, 137, 268-273.	1.9	3
14	Evaluation of inter-granular corrosion susceptibility in 316LN austenitic stainless steel weldments. Fusion Engineering and Design, 2018, 133, 70-76.	1.9	25
15	Effect of post weld heat treatment on the microstructure and mechanical properties of ITER-grade 316LN austenitic stainless steel weldments. Cryogenics, 2017, 83, 1-7.	1.7	26
16	Microstructure and Mechanical Properties of ITER Correction Coil Case Material. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	10
17	Microstructural characteristics of the laser welded joint of ITER correction coil sub case. Fusion Engineering and Design, 2015, 98-99, 1960-1963.	1.9	14
18	The Laser Welding with Hot Wire of 316LN Thick Plate Applied on ITER Correction Coil Case. Journal of Fusion Energy, 2014, 33, 752-758.	1.2	10