Jianfeng Wang

List of Publications by Year in descending order

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		687363	752698
20	458	13	20
papers	citations	h-index	g-index

20	20	20	163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ultrasonic vibration on microstructural evolution and mechanical properties of underwater wet welding joint. Journal of Materials Processing Technology, 2017, 246, 185-197.	6.3	46
2	Characterization of the underwater welding arc bubble through a visual sensing method. Journal of Materials Processing Technology, 2018, 251, 95-108.	6.3	46
3	Characteristics of welding and arc pressure in TIG narrow gap welding using novel magnetic arc oscillation. International Journal of Advanced Manufacturing Technology, 2017, 90, 413-420.	3.0	42
4	Arc characteristics in alternating magnetic field assisted narrow gap pulsed GTAW. Journal of Materials Processing Technology, 2018, 254, 254-264.	6.3	41
5	Investigation on dynamic behaviors of bubble evolution in underwater wet flux-cored arc welding. Journal of Manufacturing Processes, 2017, 28, 156-167.	5.9	35
6	Effects of welding speed on bubble dynamics and process stability in mechanical constraint-assisted underwater wet welding of steel sheets. Journal of Materials Processing Technology, 2019, 264, 389-401.	6.3	31
7	Optimization of magnetic arc oscillation system by using double magnetic pole to TIG narrow gap welding. International Journal of Advanced Manufacturing Technology, 2016, 86, 761-767.	3.0	30
8	Enhanced arc-acoustic interaction by stepped-plate radiator in ultrasonic wave-assisted GTAW. Journal of Materials Processing Technology, 2018, 262, 19-31.	6.3	25
9	Analysis and improvement of underwater wet welding process stability with static mechanical constraint support. Journal of Manufacturing Processes, 2018, 34, 238-250.	5.9	24
10	Dynamic control of current and voltage waveforms and droplet transfer for ultrasonic-wave-assisted underwater wet welding. Materials and Design, 2019, 181, 108051.	7.0	22
11	Investigation of acoustic radiator affecting bubble-acoustic interaction in ultrasonic wave-assisted UWW at shallow water. Journal of Manufacturing Processes, 2019, 37, 563-577.	5.9	20
12	Arc stability indexes evaluation of ultrasonic wave-assisted underwater FCAW using electrical signal analysis. International Journal of Advanced Manufacturing Technology, 2019, 103, 2593-2608.	3.0	17
13	Wetting of liquid copper on TC4 titanium alloy and 304 stainless steel at 1273â€“1433â€¯K. Materials and Design, 2019, 169, 107667.	7.0	17
14	Wetting of liquid aluminum alloys on pure titanium at 873-973 K. Journal of Materials Research and Technology, 2019, 8, 5813-5822.	5.8	14
15	Effect of pulsed ultrasonic on arc acoustic binding in pulsed ultrasonic wave-assisted pulsed gas tungsten arc welding. Science and Technology of Welding and Joining, 2017, 22, 465-471.	3.1	12
16	Influence of Heat Input on Microstructure and Corrosion Resistance of Underwater Wet-Welded E40 Steel Joints. Journal of Materials Engineering and Performance, 2020, 29, 6987-6996.	2.5	11
17	Experimental study of arc bubble growth and detachment from underwater wet FCAW. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1747-1759.	2.5	10
18	Correlation between wire feed speed and external mechanical constraint for enhanced process stability in underwater wet flux-cored arc welding. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 2061-2073.	2.4	8

#	Article	IF	Citations
19	A Pathway to Grain Structure Control of Gas Tungsten Arc Welded Duplex Stainless Steel Through Ultrasonic Vibration. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 2667-2675.	2.2	6
20	Investigation on Underwater Wet Welding Process Stability Based on the Arc Bubble Control. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2018, 54, 50.	0.5	1