

Jianfeng Wang

List of Publications by Year in descending order

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20
papers

458
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	A Pathway to Grain Structure Control of Gas Tungsten Arc Welded Duplex Stainless Steel Through Ultrasonic Vibration. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 2667-2675.	2.2	6
2	Influence of Heat Input on Microstructure and Corrosion Resistance of Underwater Wet-Welded E40 Steel Joints. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 6987-6996.	2.5	11
3	Dynamic control of current and voltage waveforms and droplet transfer for ultrasonic-wave-assisted underwater wet welding. <i>Materials and Design</i> , 2019, 181, 108051.	7.0	22
4	Experimental study of arc bubble growth and detachment from underwater wet FCAW. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1747-1759.	2.5	10
5	Wetting of liquid aluminum alloys on pure titanium at 873-973 K. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5813-5822.	5.8	14
6	Arc stability indexes evaluation of ultrasonic wave-assisted underwater FCAW using electrical signal analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 2593-2608.	3.0	17
7	Wetting of liquid copper on TC4 titanium alloy and 304 stainless steel at 1273â€“1433â€“K. <i>Materials and Design</i> , 2019, 169, 107667.	7.0	17
8	Correlation between wire feed speed and external mechanical constraint for enhanced process stability in underwater wet flux-cored arc welding. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 2061-2073.	2.4	8
9	Investigation of acoustic radiator affecting bubble-acoustic interaction in ultrasonic wave-assisted UWW at shallow water. <i>Journal of Manufacturing Processes</i> , 2019, 37, 563-577.	5.9	20
10	Effects of welding speed on bubble dynamics and process stability in mechanical constraint-assisted underwater wet welding of steel sheets. <i>Journal of Materials Processing Technology</i> , 2019, 264, 389-401.	6.3	31
11	Arc characteristics in alternating magnetic field assisted narrow gap pulsed GTAW. <i>Journal of Materials Processing Technology</i> , 2018, 254, 254-264.	6.3	41
12	Characterization of the underwater welding arc bubble through a visual sensing method. <i>Journal of Materials Processing Technology</i> , 2018, 251, 95-108.	6.3	46
13	Analysis and improvement of underwater wet welding process stability with static mechanical constraint support. <i>Journal of Manufacturing Processes</i> , 2018, 34, 238-250.	5.9	24
14	Enhanced arc-acoustic interaction by stepped-plate radiator in ultrasonic wave-assisted GTAW. <i>Journal of Materials Processing Technology</i> , 2018, 262, 19-31.	6.3	25
15	Investigation on Underwater Wet Welding Process Stability Based on the Arc Bubble Control. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2018, 54, 50.	0.5	1
16	Investigation on dynamic behaviors of bubble evolution in underwater wet flux-cored arc welding. <i>Journal of Manufacturing Processes</i> , 2017, 28, 156-167.	5.9	35
17	Effect of ultrasonic vibration on microstructural evolution and mechanical properties of underwater wet welding joint. <i>Journal of Materials Processing Technology</i> , 2017, 246, 185-197.	6.3	46
18	Characteristics of welding and arc pressure in TIG narrow gap welding using novel magnetic arc oscillation. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 413-420.	3.0	42

#	ARTICLE	IF	CITATIONS
19	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
20	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