

Yanxin Cui

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

187
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the relationship between voltage and arc length of K-TIG welding under penetrated condition. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 3843-3857.	3.0	2
2	Prediction of keyhole TIG weld penetration based on high-dynamic range imaging. <i>Journal of Manufacturing Processes</i> , 2021, 63, 179-190.	5.9	21
3	Narrow gap deviation detection in Keyhole TIG welding using image processing method based on Mask-RCNN model. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 2015-2025.	3.0	17
4	Investigation into the arc profiles and penetration ability of axial magnetic field-enhanced K-TIG welding by means of a specially designed sandwich. <i>Journal of Manufacturing Processes</i> , 2021, 68, 32-41.	5.9	5
5	A high-dynamic-range visual sensing method for feature extraction of welding pool based on adaptive image fusion. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 1675-1687.	3.0	7
6	A Novel High-Efficiency Keyhole Tungsten Inert Gas (K-TIG) Welding: Principles and Practices. <i>Materials Forming, Machining and Tribology</i> , 2021, , 313-367.	1.1	2
7	Welding penetration recognition based on arc sound and electrical signals in K-TIG welding. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 163, 107966.	5.0	22
8	Analysis of the frequency features of arc voltage and its application to the recognition of welding penetration in K-TIG welding. <i>Journal of Manufacturing Processes</i> , 2019, 46, 225-233.	5.9	26
9	The influence of microstructure and chromium nitride precipitations on the mechanical and intergranular corrosion properties of K-TIG weld metals. <i>Construction and Building Materials</i> , 2019, 210, 71-77.	7.2	25
10	Recognition of Weld Penetration During K-TIG Welding Based on Acoustic and Visual Sensing. <i>Sensing and Imaging</i> , 2019, 20, 1.	1.5	18
11	Mathematical Model for Prediction and Optimization of Weld Bead Geometry in All-Position Automatic Welding of Pipes. <i>Metals</i> , 2018, 8, 756.	2.3	8
12	The impact toughness of novel keyhole TIG welded duplex stainless steel joints. <i>Engineering Failure Analysis</i> , 2018, 94, 226-231.	4.0	34