

Keigo Tanaka

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

160
citations

1163117

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all docs

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docs citations

19
times ranked

62
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of dominant factors determining droplet temperature in gas metal arc welding. <i>Welding International</i> , 2022, 36, 489-499.	0.7	2
2	Numerical investigation for dominant factors in slag transfer and deposition process during metal active gas welding using incompressible smoothed particle hydrodynamics method. <i>Welding International</i> , 2022, 36, 297-313.	0.7	1
3	The First Step as a Researcher in the Welding Process. <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2021, 90, 276-278.	0.1	0
4	Electrode contamination caused by metal vapour transport during tungsten inert gas welding. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 258-263.	3.1	10
5	Effects of alkaline elements on the metal transfer behavior in metal cored arc welding. <i>Journal of Manufacturing Processes</i> , 2021, 68, 1448-1457.	5.9	5
6	Modelling and measurements of gas tungsten arc welding in argon-helium mixtures with metal vapour. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 767-783.	2.5	12
7	Identification of light emitting elements around tungsten electrode during TIG welding using optical emission spectroscopy. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 248-259.	0.5	3
8	Identification of dominant factors determining droplet temperature in gas metal arc welding. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 267-276.	0.5	0
9	Experimental investigation of dominant factors for droplet ejection from electrode during AC TIG welding. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 260-266.	0.5	1
10	Numerical investigation for dominant factors in slag transfer and deposition process during metal active gas welding using incompressible smoothed particle hydrodynamics method. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 277-290.	0.5	1
11	Numerical study of the metal vapour transport in tungsten inert-gas welding in argon for stainless steel. <i>Applied Mathematical Modelling</i> , 2020, 79, 713-728.	4.2	20
12	Numerical study of the effects and transport mechanisms of iron vapour in tungsten inert-gas welding in argon. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 044004.	2.8	15
13	Investigation of transient metal vapour transport processes in helium arc welding by imaging spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 425202.	2.8	14
14	Imaging Spectroscopy for Transient Transport of Chromium Vapor During Helium TIG Welding. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 21s-24s.	0.5	8
15	Investigation of the bilayer region of metal vapor in a helium tungsten inert gas arc plasma on stainless steel by imaging spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 354003.	2.8	23
16	The Relation Between Electrode Lifetime and Additive Consumption During TIG Welding. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2019, 37, 4WL-6WL.	0.5	6
17	Egg of Welding. <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2019, 88, 207-209.	0.1	0
18	A computational model of gas tungsten arc welding of stainless steel: the importance of considering the different metal vapours simultaneously. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 395202.	2.8	24

#	ARTICLE	IF	CITATIONS
19	Mixing of multiple metal vapours into an arc plasma in gas tungsten arc welding of stainless steel. Journal Physics D: Applied Physics, 2017, 50, 43LT03.	2.8	15