Keigo Tanaka

List of Publications by Year
in descending order

19	160	1163117 8	1199594 12
papers	citations	h-index	g-index

19	19	19	62
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	Identification of dominant factors determining droplet temperature in gas metal arc welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2021, 39, 267-276.	0.5	0