

Dominic Cuiuri

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

4,060
citations

361413

20
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1958
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of post-weld heat treatment on microstructure and mechanical properties of deep penetration autogenous TIG-welded dissimilar joint between creep strength enhanced ferritic steel and austenitic stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 3207-3229.	3.0	13
2	Mitigation of thermal distortion in wire arc additively manufactured Ti6Al4V part using active interpass cooling. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 484-494.	3.1	47
3	Diffraction Line Profile Analysis of 3D Wedge Samples of Ti-6Al-4V Fabricated Using Four Different Additive Manufacturing Processes. <i>Metals</i> , 2019, 9, 60.	2.3	23
4	Effect of Heat Input on Weld Formation and Tensile Properties in Keyhole Mode TIG Welding Process. <i>Metals</i> , 2019, 9, 1327.	2.3	14
5	A Combination of Keyhole GTAW with a Trapezoidal Interlayer: A New Insight into Armour Steel Welding. <i>Materials</i> , 2019, 12, 3571.	2.9	8
6	Improving the weld microstructure and material properties of K-TIG welded armour steel joint using filler material. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1931-1944.	3.0	18
7	Influences of postproduction heat treatment on Fe ₃ Al-based iron aluminide fabricated using the wire-arc additive manufacturing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 335-344.	3.0	20
8	The effects of forced interpass cooling on the material properties of wire arc additively manufactured Ti6Al4V alloy. <i>Journal of Materials Processing Technology</i> , 2018, 258, 97-105.	6.3	164
9	A review of the wire arc additive manufacturing of metals: properties, defects and quality improvement. <i>Journal of Manufacturing Processes</i> , 2018, 35, 127-139.	5.9	818
10	Influences of deposition current and interpass temperature to the Fe ₃ Al-based iron aluminide fabricated using wire-arc additive manufacturing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 2009-2018.	3.0	60
11	Effects of heat accumulation on the arc characteristics and metal transfer behavior in Wire Arc Additive Manufacturing of Ti6Al4V. <i>Journal of Materials Processing Technology</i> , 2017, 250, 304-312.	6.3	217
12	In-depth study of the mechanical properties for Fe ₃ Al based iron aluminide fabricated using the wire-arc additive manufacturing process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 669, 118-126.	5.6	65
13	The effect of postproduction heat treatment on $\hat{\text{I}}^3\text{-TiAl}$ alloys produced by the GTAW-based additive manufacturing process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 657, 86-95.	5.6	71
14	Fabrication of Fe-FeAl Functionally Graded Material Using the Wire-Arc Additive Manufacturing Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 763-772.	2.1	116
15	Bead modelling and implementation of adaptive MAT path in wire and arc additive manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016, 39, 32-42.	9.9	174
16	Automatic multi-direction slicing algorithms for wire based additive manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016, 37, 139-150.	9.9	127
17	Process planning for robotic wire and arc additive manufacturing. , 2015, , .		28
18	A practical path planning methodology for wire and arc additive manufacturing of thin-walled structures. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 34, 8-19.	9.9	223

#	ARTICLE	IF	CITATIONS
19	Fabrication of iron-rich Fe-Al intermetallics using the wire-arc additive manufacturing process. Additive Manufacturing, 2015, 7, 20-26.	3.0	82
20	Wire-feed additive manufacturing of metal components: technologies, developments and future interests. International Journal of Advanced Manufacturing Technology, 2015, 81, 465-481.	3.0	1,007
21	Effect of interpass temperature on in-situ alloying and additive manufacturing of titanium aluminides using gas tungsten arc welding. Additive Manufacturing, 2015, 8, 71-77.	3.0	70
22	A multi-bead overlapping model for robotic wire and arc additive manufacturing (WAAM). Robotics and Computer-Integrated Manufacturing, 2015, 31, 101-110.	9.9	345
23	Effects of wire feed conditions on in situ alloying and additive layer manufacturing of titanium aluminides using gas tungsten arc welding. Journal of Materials Research, 2014, 29, 2066-2071.	2.6	37
24	Characterization of In-Situ Alloyed and Additively Manufactured Titanium Aluminides. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 2299-2303.	2.1	46
25	A tool-path generation strategy for wire and arc additive manufacturing. International Journal of Advanced Manufacturing Technology, 2014, 73, 173-183.	3.0	227
26	Investigation on Welding Arc Interruptions in the Presence of Magnetic Fields: Arc Length, Torch Angle and Current Pulsing Frequency Influence. IEEE Transactions on Plasma Science, 2013, 41, 133-139.	1.3	27
27	Investigation on Welding Arc Interruptions in the Presence of Magnetic Fields: Welding Current Influence. IEEE Transactions on Plasma Science, 2012, 40, 870-876.	1.3	13