

# 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	Wire-feed additive manufacturing of metal components: technologies, developments and future interests. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 465-481.	3.0	1,007
2	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
3	A multi-bead overlapping model for robotic wire and arc additive manufacturing (WAAM). <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 31, 101-110.	9.9	345
4	A tool-path generation strategy for wire and arc additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 173-183.	3.0	227
5	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
6	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
7	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
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	Automatic multi-direction slicing algorithms for wire based additive manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016, 37, 139-150.	9.9	127
10	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
11	Fabrication of iron-rich Fe-Al intermetallics using the wire-arc additive manufacturing process. <i>Additive Manufacturing</i> , 2015, 7, 20-26.	3.0	82
12	The effect of postproduction heat treatment on $\beta$ -TiAl alloys produced by the GTAW-based additive manufacturing process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 657, 86-95.	5.6	71
13	Effect of interpass temperature on in-situ alloying and additive manufacturing of titanium aluminides using gas tungsten arc welding. <i>Additive Manufacturing</i> , 2015, 8, 71-77.	3.0	70
14	In-depth study of the mechanical properties for Fe <sub>3</sub> Al based iron aluminide fabricated using the wire-arc additive manufacturing process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 669, 118-126.	5.6	65
15	Influences of deposition current and interpass temperature to the Fe <sub>3</sub> 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
16	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
17	Characterization of In-Situ Alloyed and Additively Manufactured Titanium Aluminides. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014, 45, 2299-2303.	2.1	46
18	Effects of wire feed conditions on in situ alloying and additive layer manufacturing of titanium aluminides using gas tungsten arc welding. <i>Journal of Materials Research</i> , 2014, 29, 2066-2071.	2.6	37

#	ARTICLE	IF	CITATIONS
19	Process planning for robotic wire and arc additive manufacturing. , 2015, , .		28
20	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
21	Diffraction Line Profile Analysis of 3D Wedge Samples of Ti-6Al-4V Fabricated Using Four Different Additive Manufacturing Processes. Metals, 2019, 9, 60.	2.3	23
22	Influences of postproduction heat treatment on Fe3Al-based iron aluminide fabricated using the wire-arc additive manufacturing process. International Journal of Advanced Manufacturing Technology, 2018, 97, 335-344.	3.0	20
23	Improving the weld microstructure and material properties of K-TIG welded armour steel joint using filler material. International Journal of Advanced Manufacturing Technology, 2019, 100, 1931-1944.	3.0	18
24	Effect of Heat Input on Weld Formation and Tensile Properties in Keyhole Mode TIG Welding Process. Metals, 2019, 9, 1327.	2.3	14
25	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
26	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. International Journal of Advanced Manufacturing Technology, 2020, 108, 3207-3229.	3.0	13
27	A Combination of Keyhole GTAW with a Trapezoidal Interlayer: A New Insight into Armour Steel Welding. Materials, 2019, 12, 3571.	2.9	8