

# Joel Alexandre da Silva de Jesus

## List of Publications by Year in descending order

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32  
papers

599  
citations

516561

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all docs

32  
docs citations

32  
times ranked

457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue life improvement by friction stir processing of 5083 aluminium alloy MIG butt welds. Theoretical and Applied Fracture Mechanics, 2014, 70, 68-74.	2.1	62
2	Fatigue behaviour of AA6082-T6 MIG welded butt joints improved by friction stir processing. Materials & Design, 2013, 51, 315-322.	5.1	57
3	Fatigue life improvement of mig welded aluminium T-joints by friction stir processing. International Journal of Fatigue, 2014, 61, 244-254.	2.8	56
4	Fatigue strength improvement of GMAW T-welds in AA 5083 by friction-stir processing. International Journal of Fatigue, 2017, 97, 124-134.	2.8	44
5	Fatigue behaviour of selective laser melting steel components. Theoretical and Applied Fracture Mechanics, 2016, 85, 9-15.	2.1	43
6	Effect of heat treatment on the fatigue crack growth behaviour in additive manufactured AISI 18Ni300 steel. Theoretical and Applied Fracture Mechanics, 2019, 102, 10-15.	2.1	40
7	Assessment of friction stir welding aluminium T-joints. Journal of Materials Processing Technology, 2018, 255, 387-399.	3.1	34
8	Numerical Prediction of the Fatigue Crack Growth Rate in SLM Ti-6Al-4V Based on Crack Tip Plastic Strain. Metals, 2020, 10, 1133.	1.0	29
9	Mechanisms of fatigue crack growth in Ti-6Al-4V alloy subjected to single overloads. Theoretical and Applied Fracture Mechanics, 2021, 114, 103024.	2.1	24
10	Fatigue Crack Growth in Maraging Steel Obtained by Selective Laser Melting. Applied Sciences (Switzerland), 2019, 9, 4412.	1.3	22
11	Effect of geometrical parameters on Friction Stir Welding of AA 5083-H111 T-joints. Procedia Structural Integrity, 2016, 1, 242-248.	0.3	20
12	Fatigue crack growth under corrosive environments of Ti-6Al-4V specimens produced by SLM. Engineering Failure Analysis, 2020, 118, 104852.	1.8	19
13	Effect of bead characteristics on the fatigue life of shot peened Al 7475-T7351 specimens. International Journal of Fatigue, 2020, 134, 105521.	2.8	19
14	Fatigue Failure from Inner Surfaces of Additive Manufactured Ti-6Al-4V Components. Materials, 2021, 14, 737.	1.3	19
15	Effect of tool geometry on friction stir processing and fatigue strength of MIG T welds on Al alloys. Journal of Materials Processing Technology, 2014, 214, 2450-2460.	3.1	17
16	Fracture Toughness of Hybrid Components with Selective Laser Melting 18Ni300 Steel Parts. Applied Sciences (Switzerland), 2018, 8, 1879.	1.3	17
17	Assessment of the fatigue life on functional hybrid laser sintering steel components. Procedia Structural Integrity, 2016, 1, 126-133.	0.3	13
18	Fatigue behaviour of maraging steel samples produced by SLM under constant and variable amplitude loading. Procedia Structural Integrity, 2019, 22, 10-16.	0.3	13

#	ARTICLE	IF	CITATIONS
19	Fatigue crack growth behaviour in Ti6Al4V alloy specimens produced by selective laser melting. <i>International Journal of Fracture</i> , 2020, 223, 123-133.	1.1	13
20	Fatigue behavior of Ti6Al4V alloy components manufactured by selective laser melting subjected to hot isostatic pressing and residual stress relief. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1916-1930.	1.7	11
21	Environmental effect on the fatigue crack propagation of AM TiAl6V4 alloy specimens. <i>Procedia Structural Integrity</i> , 2019, 17, 562-567.	0.3	6
22	Neutron and X-Ray Diffraction Residual Stress Measurements in Aluminium Alloys MIG Welded T-Joints after Friction Stir Processing. <i>Advanced Materials Research</i> , 2014, 996, 439-444.	0.3	4
23	Fatigue crack propagation along interfaces of selective laser melting steel hybrid parts. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2431-2440.	1.7	4
24	A Novel Specimen Produced by Additive Manufacturing for Pure Plane Strain Fatigue Crack Growth Studies. <i>Metals</i> , 2021, 11, 433.	1.0	4
25	Influence of Deposition Plane Angle and Saline Corrosion on Fatigue Crack Growth in Maraging Steel Components Produced by Laser Powder Bed Fusion. <i>Metals</i> , 2022, 12, 433.	1.0	3
26	Fatigue crack growth under mixed mode I+II in Ti-6Al-4V specimens produced by Laser powder Bed fusion. <i>Engineering Fracture Mechanics</i> , 2022, 264, 108327.	2.0	3
27	Fatigue Behavior of Hybrid Components Containing Maraging Steel Parts Produced by Laser Powder Bed Fusion. <i>Metals</i> , 2021, 11, 835.	1.0	1
28	Influence of Local Properties on Fatigue Crack Growth of Laser Butt Welds in Thin Plates of High-Strength Low-Alloy Steel. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7346.	1.3	1
29	Response of fabric insert injection overmolding PP based composites subjected to single and multi-impact. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 242-248.	0.5	1
30	Effect of machining parameters on the mechanical properties of high dosage short "carbon- fiber reinforced composites. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 249-256.	0.5	0
31	Effect of remaining ligament on fatigue crack growth. <i>Procedia Structural Integrity</i> , 2021, 33, 598-604.	0.3	0
32	Fatigue crack growth in Ti-6Al-4V specimens produced by Laser Powder Bed Fusion and submitted to Hot Isostatic Pressing. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103231.	2.1	0