

Marco Leite

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2547473/publications.pdf>

Version: 2024-02-01

40
papers

1,099
citations

567281

15
h-index

414414

32
g-index

44
all docs

44
docs citations

44
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing Sustainable Business Models to Reduce Spare Part Inventory. <i>Procedia CIRP</i> , 2022, 105, 171-176.	1.9	3
2	Functionally graded cellular cores of sandwich panels fabricated by additive manufacturing. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2022, 236, 1814-1828.	1.1	6
3	Evaluation of cellular structures with triply periodic minimal surfaces fabricated by additive manufacturing. , 2022, 1, 28-33.		2
4	Effect of the ironing process on ABS parts produced by FDM. <i>Material Design and Processing Communications</i> , 2021, 3, e151.	0.9	16
5	Evaluation of the effect of core lattice topology on the properties of sandwich panels produced by additive manufacturing. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1312-1324.	1.1	7
6	Social life cycle performance of additive manufacturing in the healthcare industry: the orthosis and prosthesis cases. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 327-340.	4.6	16
7	Additive manufacturing in the process industry: A process-based cost model to study life cycle cost and the viability of additive manufacturing spare parts.. <i>Procedia CIRP</i> , 2021, 98, 211-216.	1.9	17
8	Validation of a low-cost selective powder deposition process through the characterization of tin bronze specimens. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2681-2691.	1.1	1
9	Evaluation of the influence of design in the mechanical properties of honeycomb cores used in composite panels. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1325-1340.	1.1	2
10	Characterization of 3D printed ABS specimens under static and cyclic torsional loadings. <i>Procedia Structural Integrity</i> , 2021, 34, 205-210.	0.8	2
11	Influence of fused deposition modeling parameters on the mechanical properties of ABS parts. <i>Polymers for Advanced Technologies</i> , 2020, 31, 501-507.	3.2	64
12	Bioinspired structures for core sandwich composites produced by fused deposition modelling. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 379-393.	1.1	6
13	Development of a cylindrical coordinate-based fused filament fabrication machine with multiple print heads. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 3129-3143.	3.0	1
14	Development of free binder zirconia-based pastes for the production of dental pieces by robocasting. <i>Journal of Manufacturing Processes</i> , 2020, 57, 1-9.	5.9	17
15	Influence of seams in the mechanical properties of PLA produced with multiple extrusion modules. <i>Procedia Structural Integrity</i> , 2020, 28, 358-363.	0.8	4
16	State-of-the-Art Review and Roadmap. <i>Advanced Structured Materials</i> , 2020, , 1-56.	0.5	1
17	How education background affects design outcome: teaching product development to mechanical engineers, industrial designers and managers. <i>European Journal of Engineering Education</i> , 2019, 44, 545-569.	2.3	8
18	Cross-Cultural Differences in Creative Ideation: A Comparison between Singaporean and Portuguese Students. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 89-98.	0.6	3

#	ARTICLE	IF	CITATIONS
19	0-3D Design method: a new design management technique to support Design for Manufacturing. <i>Procedia CIRP</i> , 2019, 84, 155-158.	1.9	0
20	Design for AM: Contributions from surface finish, part geometry and part positioning. <i>Procedia CIRP</i> , 2019, 84, 491-495.	1.9	4
21	Design for personalized medicine in orthotics and prosthetics. <i>Procedia CIRP</i> , 2019, 84, 457-461.	1.9	24
22	Integrating life cycle assessment (LCA) and life cycle costing (LCC) in the early phases of aircraft structural design: an elevator case study. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 2091-2110.	4.7	37
23	Failure of polymer coated nylon parts produced by additive manufacturing. <i>Engineering Failure Analysis</i> , 2019, 101, 485-492.	4.0	27
24	Effect of protective coatings on the water absorption and mechanical properties of 3D printed PLA. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 748-756.	0.9	23
25	Investigating the contribution of geometry on the failure of cellular core structures obtained by additive manufacturing. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 478-486.	0.9	8
26	Selecting composite materials considering cost and environmental impact in the early phases of aircraft structure design. <i>Journal of Cleaner Production</i> , 2018, 186, 113-122.	9.3	45
27	Experimental and numerical modelling of mechanical properties of 3D printed honeycomb structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 116, 495-506.	5.0	79
28	Mechanical properties and water absorption of surface modified ABS 3D printed by fused deposition modelling. <i>Rapid Prototyping Journal</i> , 2018, 24, 195-203.	3.2	44
29	Natural Fibre Composites and Their Applications: A Review. <i>Journal of Composites Science</i> , 2018, 2, 66.	3.0	424
30	A CAD-based approach for measuring volumetric error in layered manufacturing. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 2398-2406.	2.1	28
31	A trap of optimizing skills use when allocating human resources to a multiple projects environment. <i>Team Performance Management</i> , 2017, 23, 110-123.	1.3	3
32	Design and development of a customised knee positioning orthosis using low cost 3D printers. <i>Virtual and Physical Prototyping</i> , 2017, 12, 322-332.	10.4	25
33	How background affects design output: Teaching product development to mechanical engineers, industrial designers and managers. , 2016, , .		0
34	Agile manufacturing practices for new product development: industrial case studies. <i>Journal of Manufacturing Technology Management</i> , 2016, 27, 560-576.	6.4	70
35	A road map for implementing lean and agile techniques in SMEs product development teams. <i>International Journal of Product Development</i> , 2016, 21, 20.	0.2	20
36	Materials selection for a set of multiple parts considering manufacturing costs and weight reduction with structural isoperformance using direct multisearch optimization. <i>Structural and Multidisciplinary Optimization</i> , 2015, 52, 635-644.	3.5	10

#	ARTICLE	IF	CITATIONS
37	Effects of non-proportional loading paths on the orientation of fatigue crack path. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 445-454.	3.4	20
38	Elastic Behaviour of Z Reinforced Sandwich Beams. , 2005, , 271-280.		0
39	The effect of geometry on the flexural properties of cellular core structures. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442071880551.	1.1	10
40	Optimization of Materials Selection in a Multi-Part Environment with Direct Multi-Search. , 0, , .		0