

Mirco Peron

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

765
citations

566801

15
h-index

525886

27
g-index

31
all docs

31
docs citations

31
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing flexibility and productivity in Industry 4.0 production networks with autonomous mobile robots and smart intralogistics. <i>Annals of Operations Research</i> , 2022, 308, 125-143.	2.6	187
2	Mg and Its Alloys for Biomedical Applications: Exploring Corrosion and Its Interplay with Mechanical Failure. <i>Metals</i> , 2017, 7, 252.	1.0	93
3	Conventional or additive manufacturing for spare parts management: An extensive comparison for Poisson demand. <i>International Journal of Production Economics</i> , 2021, 233, 107993.	5.1	47
4	The effect of Equal Channel Angular Pressing on the stress corrosion cracking susceptibility of AZ31 alloy in simulated body fluid. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 106, 103724.	1.5	43
5	A decision support system for configuring spare parts supply chains considering different manufacturing technologies. <i>International Journal of Production Research</i> , 2024, 62, 3023-3043.	4.9	38
6	Enhancement of stress corrosion cracking of AZ31 magnesium alloy in simulated body fluid thanks to cryogenic machining. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103429.	1.5	35
7	A methodological framework to integrate motion capture system and virtual reality for assembly system 4.0 workplace design. <i>Safety Science</i> , 2022, 146, 105561.	2.6	35
8	Digital Facility Layout Planning. <i>Sustainability</i> , 2020, 12, 3349.	1.6	29
9	Comparing physiologically relevant corrosion performances of Mg AZ31 alloy protected by ALD and sputter coated TiO ₂ . <i>Surface and Coatings Technology</i> , 2020, 395, 125922.	2.2	26
10	Age-based preventive maintenance with multiple printing options. <i>International Journal of Production Economics</i> , 2022, 243, 108339.	5.1	25
11	Fracture behaviour of notched as-built EBM parts: Characterization and interplay between defects and notch strengthening behaviour. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 98, 178-185.	2.1	24
12	Decision support model for implementing assistive technologies in assembly activities: a case study. <i>International Journal of Production Research</i> , 2022, 60, 1341-1367.	4.9	24
13	Revealing the Bonding Environment of Zn in ALD Zn(O,S) Buffer Layers through X-ray Absorption Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39105-39109.	4.0	23
14	Improving stress corrosion cracking behavior of AZ31 alloy with conformal thin titania and zirconia coatings for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 111, 104005.	1.5	23
15	Rupture Predictions of Notched Ti-6Al-4V Using Local Approaches. <i>Materials</i> , 2018, 11, 663.	1.3	17
16	Fracture Assessment of PEEK under Static Loading by Means of the Local Strain Energy Density. <i>Materials</i> , 2017, 10, 1423.	1.3	13
17	Fatigue Strength Assessment of Steel Rollers: On the Reliability of the Strain Energy Density Approach on Real Components. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1015.	1.3	12
18	Fatigue of V-notched ZK60 magnesium samples: X-ray damage evolution characterization and failure prediction. <i>International Journal of Fatigue</i> , 2020, 139, 105734.	2.8	12

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19	A Novel Approach for Assessing the Fatigue Behavior of PEEK in a Physiologically Relevant Environment. <i>Materials</i> , 2018, 11, 1923.	1.3	10
20	Effect of Zirconia ALD coating on stress corrosion cracking of AZ31 alloy in simulated body fluid. <i>Procedia Structural Integrity</i> , 2019, 18, 538-548.	0.3	10
21	A decision support system for designing win-win interventions impacting occupational safety and operational performance in ageing workforce contexts. <i>Safety Science</i> , 2022, 147, 105598.	2.6	8
22	Mixed mode fracture behavior of notched giant magnetostrictive: Mechanical characterization and comparison among failure criteria. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 99, 194-204.	2.1	6
23	Electrochemical Corrosion Resistance of Mg Alloy ZK60 in Different Planes with Respect to Extrusion Direction. <i>Metals</i> , 2022, 12, 782.	1.0	6
24	Additive Manufacturing and Spare Parts: Literature Review and Future Perspectives. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 629-635.	0.3	5
25	Impact of Failure Rate Uncertainties on the Implementation of Additive Manufacturing in Spare Parts Supply Chains. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 291-299.	0.5	4
26	Experimental characterization and theoretical prediction of quasi-static fracture behavior of notched ZK60-5%Mg samples. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1484-1497.	1.7	2
27	Analyzing quasi-static fracture of notched magnesium ZK60 using notch fracture toughness and support vector machine. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 121, 103463.	2.1	2
28	Stress corrosion cracking behavior of zirconia ALD-coated AZ31 alloy in simulated body fluid. <i>Material Design and Processing Communications</i> , 2020, 2, e126.	0.5	1