

João P Mendonça

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

274
citations

1683354

5
h-index

1281420

11
g-index

42
all docs

42
docs citations

42
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure, mechanical properties and cutting performance of superhard (Ti,Si,Al)N nanocomposite films grown by d.c. reactive magnetron sputtering. Surface and Coatings Technology, 2004, 177-178, 459-468.	2.2	58
2	Reference framework for enhanced interoperable collaborative networks in industrial organisations. International Journal of Computer Integrated Manufacturing, 2013, 26, 166-182.	2.9	21
3	MENTOR — A methodology for enterprise reference ontology development. , 2008, , .		19
4	Study on the impact behaviour of a new safety toe cap model made of ultra-high-strength steels. Materials and Design, 2016, 91, 143-154.	3.3	14
5	Numerical Simulation of Quasi-Static Compression Behavior of the Toe Cap Component for Safety Footwear. International Journal of Computer Theory and Engineering, 2014, 6, 285-291.	3.2	8
6	E-Training Development Approach for Enterprise Knowledge Evolution. , 2013, , .		4
7	Modelling and Simulation of a Straight Line Motion Mechanism for Industrial Application. , 2018, , .		4
8	Development and Optimization of a Paper Punching System. , 2015, , .		3
9	Methods time measurement on the optimization of a productive process: A case study. , 2017, , .		3
10	Sustainable Manufacturing: The impact of Collaboration on SMEs. , 2018, , .		3
11	Mechanical Design in Industry 4.0: Development of a Handling System Using a Modular Approach. Lecture Notes in Electrical Engineering, 2019, , 508-514.	0.3	3
12	Modeling of Dynamic Behavior of AGV systems. , 2019, , .		3
13	Interoperability enablers for cyber-physical enterprise systems. Enterprise Information Systems, 2020, 14, 1061-1070.	3.3	3
14	Empowering SMEs with Cyber-Physical Production Systems: From Modelling a Polishing Process of Cutlery Production to CPPS Experimentation. Studies in Computational Intelligence, 2020, , 139-177.	0.7	3
15	Knowledge Based Methodology Supporting Interoperability Increase in Manufacture Domain. , 2011, , .		2
16	Development of controller strategies for a robotized filament winding equipment. , 2013, , .		2
17	Design and Testing of a New Metallic Solution for Toecap Component on Safety Footwear. Applied Mechanics and Materials, 2010, 44-47, 1460-1464.	0.2	1
18	Innovative Geometric Redesign of Safety Footwear Components Using a Reverse Engineering Approach. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Development of an Innovative Coupling System for Industrial Vehicles: An AGV Oriented Approach. , 2017, , .		1
20	Innovative coupling system for industrial vehicles: An AGV oriented approach and development a new coupling system for improving trailer trajectory accuracy of AGV vehicles. , 2017, , .		1
21	Metalworking SMEs network resources optimization: C2NET cases. , 2017, , .		1
22	Optimized punches geometry for paper punching systems: An industrial approach. , 2017, , .		1
23	Measuring the Punching Profile of a Punch And Bind Machine. Lecture Notes in Mechanical Engineering, 2018, , 727-732.	0.3	1
24	Methodology for the Development of Sustainable Reference Ontology in the Mechanical Engineering Domain. , 2010, , .		0
25	Sustainable Reference Ontology Development in the Mechanical Engineering Domain. , 2010, , .		0
26	Methodology for the Economic Viability of Companies in the Semantic Adaptation of Information Systems. , 2012, , .		0
27	Sustainable Reverse Engineering Methodology Assisting 3D Modeling of Footwear Safety Metallic Components. , 2013, , .		0
28	Advanced Metallic Solution for Toe Cap Component. , 2013, , .		0
29	Numerical Simulation of Impact Events of the Ultimate Metallic Toe Cap Model for Safety Footwear. , 2014, , .		0
30	CAD Information Handling for Obtaining Dependable Manufacturing Systems. , 2015, , .		0
31	A Protective Safety Footwear Device Simulation and Design: An Innovative and Healthy Hybrid Component. , 2015, , .		0
32	Numerical Simulation of Impact Loading on Open-Cell Aluminum Foams. Mechanisms and Machine Science, 2015, , 949-956.	0.3	0
33	Design of innovative protective insoles for safety footwear. , 2017, , .		0
34	Modelling of the Cutlery Process for CPPS Experimentation. , 2018, , .		0
35	Stapler Anvil Groove Profile Optimization. Lecture Notes in Mechanical Engineering, 2022, , 395-409.	0.3	0
36	Seamless Information Integration in Network Enterprises Using MENTOR: Development of a Reference Ontology in Metrological Domain. Communications in Computer and Information Science, 2012, , 294-303.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Mechatronic System Using a Straight-Line Motion Mechanism for AGV Application. Lecture Notes in Electrical Engineering, 2019, , 284-291.	0.3	0
38	Towards Implementing a Collaborative Manufacturing Cloud Platform: Experimenting Testbeds Aiming Asset Efficiency. , 2020, , .		0