

Andrea Bonci

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

285
citations

10
h-index

14
g-index

50
ext. papers

379
ext. citations

2.4
avg, IF

4.05
L-index

#	Paper	IF	Citations
41	The Overall Labour Effectiveness to Improve Competitiveness and Productivity in Human-Centered Manufacturing. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 144-155	0.4	0
40	Towards a formal model of computation for RMAS. <i>Procedia Computer Science</i> , 2022 , 200, 865-877	1.6	1
39	On the Synthesis of Holonic Management Trees 2021 ,		1
38	Fault Diagnosis in a belt-drive system under non-stationary conditions. An industrial case study 2021 ,		2
37	IEC 61499 Device Management Model through the lenses of RMAS. <i>Procedia Computer Science</i> , 2021 , 180, 656-665	1.6	3
36	Human-Robot Perception in Industrial Environments: A Survey. <i>Sensors</i> , 2021 , 21,	3.8	20
35	An Introductory Tutorial on Brain-Computer Interfaces and Their Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 560	2.6	11
34	Symbiotic cyber-physical Kanban 4.0: an Approach for SMEs 2020 ,		1
33	Towards an All-Wheel Drive Motorcycle: Dynamic Modeling and Simulation. <i>IEEE Access</i> , 2020 , 8, 112867-112883	3.1	283
32	RMAS architecture for industrial agents in IEC 61499. <i>Procedia Manufacturing</i> , 2020 , 42, 84-90	1.5	7
31	Execution Time of Optimal Controls in Hard Real Time, a Minimal Execution Time Solution for Nonlinear SDRE. <i>IEEE Access</i> , 2020 , 8, 158008-158025	3.5	2
30	A cyber-physical system approach for building efficiency monitoring. <i>Automation in Construction</i> , 2019 , 102, 68-85	9.6	31
29	Tiny Cyber-Physical Systems for Performance Improvement in the Factory of the Future. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1598-1608	11.9	18
28	From the Control Systems Theory to Intelligent Manufacturing and Services: Challenges and Future Perspectives 2019 , 73-99		0
27	RMAS Architecture for Autonomic Computing in Cyber-Physical Systems 2019 ,		6
26	Prospective ISO 22400 for the challenges of human-centered manufacturing. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2537-2543	0.7	2
25	Predictive Maintenance System using motor current signal analysis for Industrial Robot 2019 ,		3

24	A Database-Centric Framework for the Modeling, Simulation, and Control of Cyber-Physical Systems in the Factory of the Future. <i>Journal of Intelligent Systems</i> , 2018 , 27, 659-679	1.5	9
23	Information Management and Decision Making Supported by an Intelligence System in Kitchen Fronts Control Process. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 249-259	0.4	5
22	Simulation Analysis and Performance Evaluation of a Vibratory Feeder Actuated by Dielectric Elastomers 2018 ,		5
21	Integration of a Production Efficiency Tool with a General Robot Task Modeling Approach 2018 ,		5
20	Performance Improvement in CPSs over Self-similar System Structures. <i>IFAC-PapersOnLine</i> , 2018 , 51, 570-575	0.7	2
19	Holonic Overlays in Cyber-Physical System of Systems 2018 ,		6
18	A Review of Recursive Holarchies for Viable Systems in CPSs 2018 ,		10
17	RMAS: Relational Multiagent System for CPS Prototyping and Programming 2018 ,		7
16	Modeling and Simulation of the Motorcycle's Lowside Fall. <i>Procedia Manufacturing</i> , 2017 , 11, 2061-2068	1.5	
15	On the modelling and analysis of a motorcycle in critical leaning conditions 2017 ,		1
14	An Embedded Database Technology Perspective in Cyber-physical Production Systems. <i>Procedia Manufacturing</i> , 2017 , 11, 830-837	1.5	15
13	Embedded solutions for a class of highly unstable, underactuated and self-balancing robotic systems. <i>Eurasip Journal on Embedded Systems</i> , 2017 , 2017,	2	2
12	Robotics 4.0: Performance improvement made easy 2017 ,		9
11	A motorcycle's analytical model describing the highside fall in panic situations. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15616-15621	0.7	
10	The relational model: In search for lean and mean CPS technology 2017 ,		13
9	Self-similar Computing Structures for CPSs: A Case Study on POTS Service Process. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 157-166	0.5	5
8	New dynamic model for a Ballbot system 2016 ,		1
7	A motorcycle enhanced model for active safety devices in intelligent transport systems 2016 ,		5

6	Motorcycle's lateral stability issues: Comparison of methods for dynamic modelling of roll angle 2016,		4
5	A scalable production efficiency tool for the robotic cloud in the fractal factory 2016,		17
4	Motorcycle lateral and longitudinal dynamic modeling in presence of tyre slip and rear traction 2016,		6
3	A database-centric approach for the modeling, simulation and control of cyber-physical systems in the factory of the future.. <i>IFAC-PapersOnLine</i> , 2016 , 49, 249-254	0.7	26
2	Rapid prototyping of open source ordinary differential equations solver in distributed embedded control application 2014,		5
1	Navigation system for a smart wheelchair. <i>Journal of Zhejiang University Science B</i> , 2005 , 6A, 110-117		12