Andrea Bonci

List of Publications by Citations

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	A cyber-physical system approach for building efficiency monitoring. *Automation in Construction*, **2019**, 102, 68-85	9.6	31
40	A database-centric approach for the modeling, simulation and control of cyber-physical systems in the factory of the future.. *IFAC-PapersOnLine*, **2016**, 49, 249-254	0.7	26
39	Human-Robot Perception in Industrial Environments: A Survey. *Sensors*, **2021**, 21,	3.8	20
38	Tiny Cyber-Physical Systems for Performance Improvement in the Factory of the Future. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1598-1608	11.9	18
37	A scalable production efficiency tool for the robotic cloud in the fractal factory **2016**,		17
36	An Embedded Database Technology Perspective in Cyber-physical Production Systems. *Procedia Manufacturing*, **2017**, 11, 830-837	1.5	15
35	The relational model: In search for lean and mean CPS technology **2017**,		13
34	Navigation system for a smart wheelchair. *Journal of Zhejiang University Science B*, **2005**, 6A, 110-117		12
33	An Introductory Tutorial on Brain□Computer Interfaces and Their Applications. *Electronics (Switzerland)*, **2021**, 10, 560	2.6	11
32	A Review of Recursive Holarchies for Viable Systems in CPSs **2018**,		10
31	A Database-Centric Framework for the Modeling, Simulation, and Control of Cyber-Physical Systems in the Factory of the Future. *Journal of Intelligent Systems*, **2018**, 27, 659-679	1.5	9
30	Robotics 4.0: Performance improvement made easy **2017**,		9
29	RMAS architecture for industrial agents in IEC 61499. *Procedia Manufacturing*, **2020**, 42, 84-90	1.5	7
28	RMAS: Relational Multiagent System for CPS Prototyping and Programming **2018**,		7
27	Motorcycle lateral and longitudinal dynamic modeling in presence of tyre slip and rear traction **2016**,		6
26	RMAS Architecture for Autonomic Computing in Cyber-Physical Systems **2019**,		6
25	Holonic Overlays in Cyber-Physical System of Systems **2018**,		6

24	A motorcycle enhanced model for active safety devices in intelligent transport systems **2016**,		5
23	Rapid prototyping of open source ordinary differential equations solver in distributed embedded control application **2014**,		5
22	Information Management and Decision Making Supported by an Intelligence System in Kitchen Fronts Control Process. *Advances in Intelligent Systems and Computing*, **2018**, 249-259	0.4	5
21	Self-similar Computing Structures for CPSs: A Case Study on POTS Service Process. *IFIP Advances in Information and Communication Technology*, **2017**, 157-166	0.5	5
20	Simulation Analysis and Performance Evaluation of a Vibratory Feeder Actuated by Dielectric Elastomers **2018**,		5
19	Integration of a Production Efficiency Tool with a General Robot Task Modeling Approach **2018**,		5
18	Motorcycle's lateral stability issues: Comparison of methods for dynamic modelling of roll angle **2016**,		4
17	Towards an All-Wheel Drive Motorcycle: Dynamic Modeling and Simulation. *IEEE Access*, **2020**, 8, 112867-112882	3.9	3
16	Predictive Maintenance System using motor current signal analysis for Industrial Robot **2019**,		3
15	IEC 61499 Device Management Model through the lenses of RMAS. *Procedia Computer Science*, **2021**, 180, 656-665	1.6	3
14	Embedded solutions for a class of highly unstable, underactuated and self-balancing robotic systems. *Eurasip Journal on Embedded Systems*, **2017**, 2017,	2	2
13	Execution Time of Optimal Controls in Hard Real Time, a Minimal Execution Time Solution for Nonlinear SDRE. *IEEE Access*, **2020**, 8, 158008-158025	3.5	2
12	Fault Diagnosis in a belt-drive system under non-stationary conditions. An industrial case study **2021**,		2
11	Prospective ISO 22400 for the challenges of human-centered manufacturing. *IFAC-PapersOnLine*, **2019**, 52, 2537-2543	0.7	2
10	Performance Improvement in CPSs over Self-similar System Structures. *IFAC-PapersOnLine*, **2018**, 51, 570-575	0.7	2
9	Symbiotic cyber-physical Kanban 4.0: an Approach for SMEs **2020**,		1
8	New dynamic model for a Ballbot system **2016**,		1
7	On the modelling and analysis of a motorcycle in critical leaning conditions **2017**,		1

6	On the Synthesis of Holonic Management Trees **2021**,		1
5	Towards a formal model of computation for RMAS. *Procedia Computer Science*, **2022**, 200, 865-877	1.6	1
4	From the Control Systems Theory to Intelligent Manufacturing and Services: Challenges and Future Perspectives **2019**, 73-99		0
3	The Overall Labour Effectiveness to Improve Competitiveness and Productivity in Human-Centered Manufacturing. *Lecture Notes in Mechanical Engineering*, **2022**, 144-155	0.4	0
2	Modeling and Simulation of the Motorcycle's Lowside Fall. *Procedia Manufacturing*, **2017**, 11, 2061-2068	1.5	
1	A motorcycle analytical model describing the highside fall in panic situations. *IFAC-PapersOnLine*, **2017**, 50, 15616-15621	0.7	