

Andrea Bonci

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

516
citations

1039406

9
h-index

839053

18
g-index

50
all docs

50
docs citations

50
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-Robot Perception in Industrial Environments: A Survey. <i>Sensors</i> , 2021, 21, 1571.	2.1	75
2	A cyber-physical system approach for building efficiency monitoring. <i>Automation in Construction</i> , 2019, 102, 68-85.	4.8	55
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.	0.5	32
4	An Introductory Tutorial on Brainâ€“Computer Interfaces and Their Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 560.	1.8	27
5	Tiny Cyber-Physical Systems for Performance Improvement in the Factory of the Future. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1598-1608.	7.2	25
6	An Embedded Database Technology Perspective in Cyber-physical Production Systems. <i>Procedia Manufacturing</i> , 2017, 11, 830-837.	1.9	21
7	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.	1.2	20
8	A scalable production efficiency tool for the robotic cloud in the fractal factory. , 2016, , .		19
9	Robotics 4.0: Performance improvement made easy. , 2017, , .		16
10	The relational model: In search for lean and mean CPS technology. , 2017, , .		15
11	A motorcycle enhanced model for active safety devices in intelligent transport systems. , 2016, , .		14
12	A Review of Recursive Holarchies for Viable Systems in CPSs. , 2018, , .		14
13	Predictive Maintenance System using motor current signal analysis for Industrial Robot. , 2019, , .		14
14	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.	0.5	12
15	Navigation system for a smart wheelchair. <i>Journal of Zhejiang University Science B</i> , 2005, 6A, 110-117.	0.4	12
16	Motorcycle lateral and longitudinal dynamic modeling in presence of tyre slip and rear traction. , 2016, , .		10
17	Fault Diagnosis in a belt-drive system under non-stationary conditions. An industrial case study. , 2021, , .		10
18	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.	2.6	9

#	ARTICLE	IF	CITATIONS
19	RMAS architecture for industrial agents in IEC 61499. <i>Procedia Manufacturing</i> , 2020, 42, 84-90.	1.9	9
20	Integration of a Production Efficiency Tool with a General Robot Task Modeling Approach. , 2018, , .		8
21	Holonic Overlays in Cyber-Physical System of Systems. , 2018, , .		8
22	RMAS: Relational Multiagent System for CPS Prototyping and Programming. , 2018, , .		8
23	Towards an All-Wheel Drive Motorcycle: Dynamic Modeling and Simulation. <i>IEEE Access</i> , 2020, 8, 112867-112882.	2.6	8
24	Motorcycle's lateral stability issues: Comparison of methods for dynamic modelling of roll angle. , 2016, , .		7
25	RMAS Architecture for Autonomic Computing in Cyber-Physical Systems. , 2019, , .		7
26	IEC 61499 Device Management Model through the lenses of RMAS. <i>Procedia Computer Science</i> , 2021, 180, 656-665.	1.2	7
27	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	6
28	Rapid prototyping of open source ordinary differential equations solver in distributed embedded control application. , 2014, , .		5
29	Simulation Analysis and Performance Evaluation of a Vibratory Feeder Actuated by Dielectric Elastomers. , 2018, , .		5
30	Performance Improvement in CPSs over Self-similar System Structures. <i>IFAC-PapersOnLine</i> , 2018, 51, 570-575.	0.5	5
31	New dynamic model for a Ballbot system. , 2016, , .		4
32	Prospective ISO 22400 for the challenges of human-centered manufacturing. <i>IFAC-PapersOnLine</i> , 2019, 52, 2537-2543.	0.5	4
33	Embedded solutions for a class of highly unstable, underactuated and self-balancing robotic systems. <i>Eurasip Journal on Embedded Systems</i> , 2017, 2017, .	1.2	3
34	Comparison of PMSMs Motor Current Signature Analysis and Motor Torque Analysis Under Transient Conditions. , 2021, , .		3
35	Motor Torque Analysis for diagnosis in PMSMs under non-stationary conditions. , 2021, , .		3
36	The Overall Labour Effectiveness to Improve Competitiveness and Productivity in Human-Centered Manufacturing. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 144-155.	0.3	3

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37	Towards a formal model of computation for RMAS. <i>Procedia Computer Science</i> , 2022, 200, 865-877.	1.2	3
38	Hard Real Time embedded solution for Execution Time analysis of non-linear control laws. , 2020, , .		2
39	Symbiotic cyber-physical Kanban 4.0: an Approach for SMEs. , 2020, , .		2
40	On the modelling and analysis of a motorcycle in critical leaning conditions. , 2017, , .		1
41	On the Traction Control of Single-Track Vehicles in Different Trim Conditions. , 2018, , .		1
42	A Smooth Traction Control Design for Two-Wheeled electric vehicles. , 2018, , .		1
43	The Double Propeller Ducted-Fan, an UAV for safe Infrastructure inspection and human-interaction. , 2020, , .		1
44	On the Synthesis of Holonic Management Trees. , 2021, , .		1
45	Modelling simulation and control of dynamic platform with several degree of freedom. , 2014, , .		0
46	Modeling and Simulation of the Motorcycle's Lowside Fall. <i>Procedia Manufacturing</i> , 2017, 11, 2061-2068.	1.9	0
47	A motorcycle's analytical model describing the highside fall in panic situations. <i>IFAC-PapersOnLine</i> , 2017, 50, 15616-15621.	0.5	0
48	A boat-based flying drone to monitor coastlines and render them in augmented reality. , 2017, , .		0
49	Innovative Approach in cyber physical system for smart building efficiency monitoring. , 2021, , .		0