

Sauro Longhi

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.

42
papers

468
citations

12
h-index

20
g-index

47
ext. papers

594
ext. citations

2.6
avg, IF

4.05
L-index

#	Paper	IF	Citations
42	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
41	Towards a formal model of computation for RMAS. <i>Procedia Computer Science</i> , 2022 , 200, 865-877	1.6	1
40	Neuromuscular Control Modelling of Human Perturbed Posture Through Piecewise Affine Autoregressive With Exogenous Input Models.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 804904	5.8	
39	On the Synthesis of Holonic Management Trees 2021 ,		1
38	Towards Sustainable Models of Computation for Artificial Intelligence in Cyber-Physical Systems 2021 ,		1
37	Assistive Robot for Mobility Enhancement of Impaired Students for Barrier-Free Education: A Proof of Concept. <i>Lecture Notes in Networks and Systems</i> , 2021 , 333-338	0.5	
36	Augmenting robot intelligence via EEG signals to avoid trajectory planning mistakes of a smart wheelchair. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 1	3.7	1
35	IEC 61499 Device Management Model through the lenses of RMAS. <i>Procedia Computer Science</i> , 2021 , 180, 656-665	1.6	3
34	Towards an All-Wheel Drive Motorcycle: Dynamic Modeling and Simulation. <i>IEEE Access</i> , 2020 , 8, 112867-112883	3.1	2883
33	RMAS architecture for industrial agents in IEC 61499. <i>Procedia Manufacturing</i> , 2020 , 42, 84-90	1.5	7
32	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
31	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
30	Direct position control of an octarotor unmanned vehicle under wind gust disturbance 2019 ,		2
29	From the Control Systems Theory to Intelligent Manufacturing and Services: Challenges and Future Perspectives 2019 , 73-99		0
28	RMAS Architecture for Autonomic Computing in Cyber-Physical Systems 2019 ,		6
27	Prospective ISO 22400 for the challenges of human-centered manufacturing. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2537-2543	0.7	2
26	Predictive Maintenance System using motor current signal analysis for Industrial Robot 2019 ,		3

25	An instrumental approach for monitoring physical exercises in a visual markerless scenario: A proof of concept. <i>Journal of Biomechanics</i> , 2018 , 69, 70-80	2.9	19
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	A Smart Sensing Architecture for Domestic Monitoring: Methodological Approach and Experimental Validation. <i>Sensors</i> , 2018 , 18,	3.8	30
22	Health@Home: pilot cases and preliminary results : Integrated residential sensor network to promote the active aging of real users 2018 ,		9
21	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
20	Simulation Analysis and Performance Evaluation of a Vibratory Feeder Actuated by Dielectric Elastomers 2018 ,		5
19	Dynamic Surface Control for Multirotor Vehicles 2018 ,		3
18	Fault Detection and Isolation of Linear Discrete-Time Periodic Systems Using the Geometric Approach. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1518-1523	5.9	18
17	Real-time mental stress detection based on smartwatch 2017 ,		31
16	An Embedded Database Technology Perspective in Cyber-physical Production Systems. <i>Procedia Manufacturing</i> , 2017 , 11, 830-837	1.5	15
15	Robotics 4.0: Performance improvement made easy 2017 ,		9
14	The relational model: In search for lean and mean CPS technology 2017 ,		13
13	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
12	IoT based indoor personal comfort levels monitoring 2016 ,		14
11	A scalable production efficiency tool for the robotic cloud in the fractal factory 2016 ,		17
10	A novel computer vision based e-rehabilitation system: From gaming to therapy support 2016 ,		8
9	Real time step length estimation on smartphone 2016 ,		3
8	AAL Technologies for Independent Life of Elderly People. <i>Biosystems and Birobotics</i> , 2015 , 329-343	0.2	7

7	Flight Control of a Quadrotor Vehicle Subsequent to a Rotor Failure. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 580-591	2.1	75
6	SLAM-based autonomous wheelchair navigation system for AAL scenarios 2014 ,		11
5	Geometric tools for solving the FDI problem for linear periodic discrete-time systems. <i>International Journal of Control</i> , 2013 , 86, 1214-1226	1.5	2
4	Navigation system for a smart wheelchair. <i>Journal of Zhejiang University Science B</i> , 2005 , 6A, 110-117		12
3	The realization problem for linear periodic systems. <i>Automatica</i> , 1995 , 31, 775-779	5.7	56
2	The geometric approach for linear periodic discrete-time systems. <i>Linear Algebra and Its Applications</i> , 1991 , 158, 27-60	0.9	39
1	Optimal Fault Tolerant Error Governor for PID Controllers. <i>International Journal of Control, Automation and Systems</i> ,1	2.9	