Massimiliano Pirani

List of Publications by Citations

39	268	9	14
papers	citations	h-index	g-index
42	321	2.2	3.77
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
39	A cyber-physical system approach for building efficiency monitoring. *Automation in Construction*, **2019**, 102, 68-85	9.6	31
38	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
37	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
36	Representation of nonlinear random transformations by non-gaussian stochastic neural networks. *IEEE Transactions on Neural Networks*, **2008**, 19, 1033-60		17
35	A scalable production efficiency tool for the robotic cloud in the fractal factory **2016**,		17
34	An Embedded Database Technology Perspective in Cyber-physical Production Systems. *Procedia Manufacturing*, **2017**, 11, 830-837	1.5	15
33	Advances in Lee Schetzen Method for Volterra Filter Identification. *Multidimensional Systems and Signal Processing*, **2005**, 16, 265-284	1.8	15
32	The relational model: In search for lean and mean CPS technology **2017**,		13
31	A Review of Recursive Holarchies for Viable Systems in CPSs **2018**,		10
30	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
29	Robotics 4.0: Performance improvement made easy **2017**,		9
28	RMAS architecture for industrial agents in IEC 61499. *Procedia Manufacturing*, **2020**, 42, 84-90	1.5	7
27	RMAS: Relational Multiagent System for CPS Prototyping and Programming **2018**,		7
26	RMAS Architecture for Autonomic Computing in Cyber-Physical Systems **2019**,		6
25	Holonic Overlays in Cyber-Physical System of Systems **2018**,		6
24	Rapid prototyping of open source ordinary differential equations solver in distributed embedded control application **2014**,		5
23	Diagonal Kernel Point Estimation ofth-Order Discrete Volterra-Wiener Systems. *Eurasip Journal on Advances in Signal Processing*, **2004**, 2004, 1	1.9	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	Development of a BIM-based holonic system for real-time monitoring of building operational efficiency. *Frontiers of Engineering Management*, **2020**, 7, 89-103	2.7	4
17	Automatic set-point titration for monitoring nitrification in SBRs. *Water Science and Technology*, **2008**, 58, 331-6	2.2	3
16	SBR on-line monitoring by set-point titration. *Water Science and Technology*, **2006**, 53, 541-9	2.2	3
15	A Stochastic Model of Neural Computing. *Lecture Notes in Computer Science*, **2004**, 683-690	0.9	3
14	IEC 61499 Device Management Model through the lenses of RMAS. *Procedia Computer Science*, **2021**, 180, 656-665	1.6	3
13	Embedded solutions for a class of highly unstable, underactuated and self-balancing robotic systems. *Eurasip Journal on Embedded Systems*, **2017**, 2017,	2	2
12	Development of a BIM-based cyber-physical system for facility management of buildings **2018**,		2
11	Holonic Management Systems for Resilient Operation of Buildings **2018**,		2
10	Prospective ISO 22400 for the challenges of human-centered manufacturing. *IFAC-PapersOnLine*, **2019**, 52, 2537-2543	0.7	2
9	Performance Improvement in CPSs over Self-similar System Structures. *IFAC-PapersOnLine*, **2018**, 51, 570-575	0.7	2
8	Symbiotic cyber-physical Kanban 4.0: an Approach for SMEs **2020**,		1
7	System Thinking Approach for Digital Twin Analysis **2020**,		1
6	Development of hardware sensors for the online monitoring of SBR used for the treatment of industrial wastewaters. *Mathematical and Computer Modelling of Dynamical Systems*, **2008**, 14, 27-37	1	1
5	On the Synthesis of Holonic Management Trees **2021**,		1

4	Towards Sustainable Models of Computation for Artificial Intelligence in Cyber-Physical Systems **2021**,		1
3	Towards a formal model of computation for RMAS. *Procedia Computer Science*, **2022**, 200, 865-877	1.6	1
2	Development of an integrated system for the optimization of sequencing batch reactors. *Mathematical and Computer Modelling of Dynamical Systems*, **2008**, 14, 67-78	1	
1	Human-Machine Duality: What Next In Cognitive Aspects Of Artificial Intelligence?. *IEEE Access*, **2022**, 1-1	3.5	