

Marco Casini

List of Publications by Citations

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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.

58
papers

721
citations

13
h-index

25
g-index

61
ext. papers

888
ext. citations

4.4
avg, IF

4.19
L-index

#	Paper	IF	Citations
58	Demand-response in building heating systems: A Model Predictive Control approach. <i>Applied Energy</i> , 2016 , 168, 159-170	10.7	100
57	The automatic control telelab: a user-friendly interface for distance learning. <i>IEEE Transactions on Education</i> , 2003 , 46, 252-257	2.1	98
56	The automatic control telelab. <i>IEEE Control Systems</i> , 2004 , 24, 36-44	2.9	92
55	An integrated model predictive control approach for optimal HVAC and energy storage operation in large-scale buildings. <i>Applied Energy</i> , 2019 , 240, 327-340	10.7	50
54	Input Design in Worst-Case System Identification Using Binary Sensors. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1186-1191	5.9	32
53	Effect of mental imagery on the development of skilled motor actions. <i>Perceptual and Motor Skills</i> , 2007 , 105, 803-26	2.2	32
52	Input design in worst-case system identification with quantized measurements. <i>Automatica</i> , 2012 , 48, 2997-3007	5.7	28
51	Load forecasting for active distribution networks 2011 ,		24
50	Time complexity and input design in worst-case identification using binary sensors 2007 ,		20
49	Operating Remote Laboratories Through a Bootable Device. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 3134-3140	8.9	19
48	A linear programming approach to online set membership parameter estimation for linear regression models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 360-378	2.8	17
47	A remote lab for experiments with a team of mobile robots. <i>Sensors</i> , 2014 , 14, 16486-507	3.8	17
46	The Automatic Control Telelab: a remote control engineering laboratory		16
45	Optimal Energy Management and Control of an Industrial Microgrid With Plug-in Electric Vehicles. <i>IEEE Access</i> , 2019 , 7, 101729-101740	3.5	13
44	Decision support system development for integrated management of European coastal lagoons. <i>Environmental Modelling and Software</i> , 2015 , 64, 47-57	5.2	12
43	. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2910-2920	5.9	12
42	A LEGO Mindstorms experimental setup for multi-agent systems 2009 ,		9

41	On worst-case approximation of feasible system sets via orthonormal basis functions. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 96-101	5.9	9
40	On input design in \mathbb{L}_2 conditional set membership identification. <i>Automatica</i> , 2006 , 42, 815-823	5.7	8
39	A receding horizon approach to peak power minimization for EV charging stations in the presence of uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 126, 106567	5.1	8
38	An Improved Lion Strategy for the Lion and Man Problem 2017 , 1, 38-43		7
37	Optimal input design for identification of systems with quantized measurements 2008 ,		7
36	A student control competition through a remote robotics lab. <i>IEEE Control Systems</i> , 2005 , 25, 56-59	2.9	7
35	Distance learning in robotics and automation by remote control of Lego mobile robots 2004 ,		6
34	A constraint selection technique for recursive set membership identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 1790-1795		5
33	A constraint selection technique for set membership estimation of time-varying parameters 2014 ,		5
32	A LEGO Mindstorms multi-robot setup in the Automatic Control Telelab. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 9812-9817		5
31	Set-membership identification of ARX models with quantized measurements 2011 ,		5
30	A Decision Support System for the Management of the Sacca di Goro (Italy) 2009 , 1-24		5
29	MARS: a Matlab simulator for mobile robotics experiments. <i>IFAC-PapersOnLine</i> , 2016 , 49, 69-74	0.7	4
28	Receding horizon control for demand-response operation of building heating systems 2014 ,		4
27	RACT: a Remote Lab for Robotics Experiments. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 8153-8158		4
26	An Internet based laboratory for control of a safety critical system		4
25	A discrete-time pursuit-evasion game in convex polygonal environments. <i>Systems and Control Letters</i> , 2019 , 125, 22-28	2.4	3
24	Remote pursuer-evader experiments with mobile robots in the Automatic Control Telelab. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 66-71		3

23	E-Learning by Remote Laboratories: A New Tool for Control Education. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 73-78		3
22	A DECISION SUPPORT SYSTEM FOR THE MANAGEMENT OF COASTAL LAGOONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 67-72		3
21	A distributionally robust joint chance constraint approach to smart charging of plug-in electric vehicles 2019 ,		3
20	A recursive technique for tracking the feasible parameter set in bounded error estimation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 1456-1466	2.8	2
19	An integrated MPC approach for demand-response heating and energy storage operation in smart buildings 2017 ,		2
18	A novel family of pursuit strategies for the lion and man problem 2017 ,		2
17	Bounding nonconvex feasible sets in set membership identification: OE and ARX models with quantized information. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1191-1196		2
16	Input design for worst-case system identification with uniformly quantized measurements. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 54-59		2
15	Efficient computation of \mathbb{I} uncertainty model from an impulse response set. <i>Automatica</i> , 2008 , 44, 2570-2576	3.7	2
14	Remote system identification in the "Automatic Control Telelab" environment		2
13	Stochastic Energy Pricing of an Electric Vehicle Parking Lot. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	2
12	A remote lab for multi-robot experiments with virtual obstacles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 354-359		1
11	Model-based decision support for integrated management and control of coastal lagoons 2007 ,		1
10	AIRES: A STANDARD FOR WEB-BASED REMOTE EXPERIMENTS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 31-36		1
9	A Matlab-Based Remote Lab for Control and Robotics Education 2009 , 127-151		1
8	A new class of pursuer strategies for the discrete-time lion and man problem. <i>Automatica</i> , 2019 , 100, 162-170	5.7	1
7	A Matlab-based Remote Lab for Multi-Robot Experiments. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 42, 162-167		0
6	Building automation systems 2022 , 525-581		0

- 5 On the advantage of centralized strategies in the three-pursuer single-evader game. *Systems and Control Letters*, **2022**, 160, 105122 2.4 ○
- 4 A chance constraint approach to peak mitigation in electric vehicle charging stations. *Automatica*, **2021**, 131, 109746 5.7 ○
- 3 INCREASING REMOTE LABS RELIABILITY AND EFFICIENCY BY USING A LIVE CD. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 180-185
- 2 ERROR BOUNDS FOR FIR MODELS IN CONDITIONAL SET-MEMBERSHIP IDENTIFICATION. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 1215-1220
- 1 MARS: An Educational Environment for Multiagent Robot Simulations. *Modelling and Simulation in Engineering*, **2016**, 2016, 1-13 1.3