Marco Casini

List of Publications by Year in Descending Order

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	**Building automation systems 2022**, 525-581		0
57	On the advantage of centralized strategies in the three-pursuer single-evader game. *Systems and Control Letters*, **2022**, 160, 105122	2.4	0
56	Stochastic Energy Pricing of an Electric Vehicle Parking Lot. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	2
55	A receding horizon approach to peak power minimization for EV charging stations in the presence of uncertainty. *International Journal of Electrical Power and Energy Systems*, **2021**, 126, 106567	5.1	8
54	A chance constraint approach to peak mitigation in electric vehicle charging stations. *Automatica*, **2021**, 131, 109746	5.7	0
53	A discrete-time pursuit-evasion game in convex polygonal environments. *Systems and Control Letters*, **2019**, 125, 22-28	2.4	3
52	An integrated model predictive control approach for optimal HVAC and energy storage operation in large-scale buildings. *Applied Energy*, **2019**, 240, 327-340	10.7	50
51	Optimal Energy Management and Control of an Industrial Microgrid With Plug-in Electric Vehicles. *IEEE Access*, **2019**, 7, 101729-101740	3.5	13
50	A distributionally robust joint chance constraint approach to smart charging of plug-in electric vehicles **2019**,		3
49	A new class of pursuer strategies for the discrete-time lion and man problem. *Automatica*, **2019**, 100, 162-170	5.7	1
48	An Improved Lion Strategy for the Lion and Man Problem **2017**, 1, 38-43		7
47	A recursive technique for tracking the feasible parameter set in bounded error estimation. *International Journal of Adaptive Control and Signal Processing*, **2017**, 31, 1456-1466	2.8	2
46	A linear programming approach to online set membership parameter estimation for linear regression models. *International Journal of Adaptive Control and Signal Processing*, **2017**, 31, 360-378	2.8	17
45	An integrated MPC approach for demand-response heating and energy storage operation in smart buildings **2017**,		2
44	A novel family of pursuit strategies for the lion and man problem **2017**,		2
43	MARS: a Matlab simulator for mobile robotics experiments. *IFAC-PapersOnLine*, **2016**, 49, 69-74	0.7	4
42	Demand-response in building heating systems: A Model Predictive Control approach. *Applied Energy*, **2016**, 168, 159-170	10.7	100

41	MARS: An Educational Environment for Multiagent Robot Simulations. *Modelling and Simulation in Engineering*, **2016**, 2016, 1-13	1.3	
40	Decision support system development for integrated management of European coastal lagoons. *Environmental Modelling and Software*, **2015**, 64, 47-57	5.2	12
39	A constraint selection technique for recursive set membership identification. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 1790-1795		5
38	Receding horizon control for demand-response operation of building heating systems **2014**,		4
37	A remote lab for experiments with a team of mobile robots. *Sensors*, **2014**, 14, 16486-507	3.8	17
36	. *IEEE Transactions on Automatic Control*, **2014**, 59, 2910-2920	5.9	12
35	A constraint selection technique for set membership estimation of time-varying parameters **2014**,		5
34	Remote pursuer-evader experiments with mobile robots in the Automatic Control Telelab. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 66-71		3
33	Input design in worst-case system identification with quantized measurements. *Automatica*, **2012**, 48, 2997-3007	5.7	28
32	A remote lab for multi-robot experiments with virtual obstacles. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 354-359		1
31	Bounding nonconvex feasible sets in set membership identification: OE and ARX models with quantized information. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 1191-1196		2
30	Load forecasting for active distribution networks **2011**,		24
29	Input Design in Worst-Case System Identification Using Binary Sensors. *IEEE Transactions on Automatic Control*, **2011**, 56, 1186-1191	5.9	32
28	A LEGO Mindstorms multi-robot setup in the Automatic Control Telelab. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 9812-9817		5
27	Set-membership identification of ARX models with quantized measurements **2011**,		5
26	A Matlab-based Remote Lab for Multi-Robot Experiments. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 42, 162-167		0
25	A LEGO Mindstorms experimental setup for multi-agent systems **2009**,		9
24	Input design for worst-case system identification with uniformly quantized measurements. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 54-59		2

#	Title		
23	A Matlab-Based Remote Lab for Control and Robotics Education **2009**, 127-151		1
22	A Decision Support System for the Management of the Sacca di Goro (Italy) **2009**, 1-24		5
21	Optimal input design for identification of systems with quantized measurements **2008**,		7
20	RACT: a Remote Lab for Robotics Experiments. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 8153-8158		4
19	Efficient computation of ℓ1 uncertainty model from an impulse response set. *Automatica*, **2008**, 44, 2570-2576	3.7	2
18	Operating Remote Laboratories Through a Bootable Device. *IEEE Transactions on Industrial Electronics*, **2007**, 54, 3134-3140	8.9	19
17	Model-based decision support for integrated management and control of coastal lagoons **2007**,		1
16	Time complexity and input design in worst-case identification using binary sensors **2007**,		20
15	Effect of mental imagery on the development of skilled motor actions. *Perceptual and Motor Skills*, **2007**, 105, 803-26	2.2	32
14	INCREASING REMOTE LABS RELIABILITY AND EFFICIENCY BY USING A LIVE CD. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 180-185		
13	On input design in ℓ1 conditional set membership identification. *Automatica*, **2006**, 42, 815-823	5.7	8
12	AIRES: A STANDARD FOR WEB-BASED REMOTE EXPERIMENTS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 31-36		1
11	ERROR BOUNDS FOR FIR MODELS IN CONDITIONAL SET-MEMBERSHIP IDENTIFICATION. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 1215-1220		
10	A DECISION SUPPORT SYSTEM FOR THE MANAGEMENT OF COASTAL LAGOONS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 67-72		3
9	A student control competition through a remote robotics lab. *IEEE Control Systems*, **2005**, 25, 56-59	2.9	7
8	Distance learning in robotics and automation by remote control of Lego mobile robots **2004**,		6
7	The automatic control telelab. *IEEE Control Systems*, **2004**, 24, 36-44	2.9	92
6	E-Learning by Remote Laboratories: A New Tool for Control Education. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2003**, 36, 73-78		3

LIST OF PUBLICATIONS