

Marco Casini

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,072
citations

623734

14
h-index

477307

29
g-index

61
all docs

61
docs citations

61
times ranked

960
citing authors

#	ARTICLE	IF	CITATIONS
1	Demand-response in building heating systems: A Model Predictive Control approach. Applied Energy, 2016, 168, 159-170.	10.1	135
2	The automatic control telelab: a user-friendly interface for distance learning. IEEE Transactions on Education, 2003, 46, 252-257.	2.4	131
3	The automatic control telelab. IEEE Control Systems, 2004, 24, 36-44.	0.8	119
4	An integrated model predictive control approach for optimal HVAC and energy storage operation in large-scale buildings. Applied Energy, 2019, 240, 327-340.	10.1	80
5	Effect of Mental Imagery on the Development of Skilled Motor Actions. Perceptual and Motor Skills, 2007, 105, 803-826.	1.3	44
6	Input Design in Worst-Case System Identification Using Binary Sensors. IEEE Transactions on Automatic Control, 2011, 56, 1186-1191.	5.7	42
7	Input design in worst-case system identification with quantized measurements. Automatica, 2012, 48, 2997-3007.	5.0	36
8	Load forecasting for active distribution networks. , 2011, , .		29
9	Time complexity and input design in worst-case identification using binary sensors. , 2007, , .		28
10	A Remote Lab for Experiments with a Team of Mobile Robots. Sensors, 2014, 14, 16486-16507.	3.8	27
11	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.	5.5	24
12	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.	4.1	22
13	Optimal Energy Management and Control of an Industrial Microgrid With Plug-in Electric Vehicles. IEEE Access, 2019, 7, 101729-101740.	4.2	22
14	E-Learning by Remote Laboratories: A New Tool for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 73-78.	0.4	21
15	The Automatic Control Telelab: a remote control engineering laboratory. , 0, , .		20
16	Operating Remote Laboratories Through a Bootable Device. IEEE Transactions on Industrial Electronics, 2007, 54, 3134-3140.	7.9	20
17	Decision support system development for integrated management of European coastal lagoons. Environmental Modelling and Software, 2015, 64, 47-57.	4.5	16
18	A LEGO Mindstorms experimental setup for multi-agent systems. , 2009, , .		14

#	ARTICLE	IF	CITATIONS
19	Feasible Parameter Set Approximation for Linear Models with Bounded Uncertain Regressors. IEEE Transactions on Automatic Control, 2014, 59, 2910-2920.	5.7	14
20	Stochastic Energy Pricing of an Electric Vehicle Parking Lot. IEEE Transactions on Smart Grid, 2022, 13, 3069-3081.	9.0	14
21	Distance learning in robotics and automation by remote control of Lego mobile robots. , 2004, , .		13
22	A LEGO Mindstorms multi-robot setup in the Automatic Control Telelab. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9812-9817.	0.4	13
23	On worst-case approximation of feasible system sets via orthonormal basis functions. IEEE Transactions on Automatic Control, 2003, 48, 96-101.	5.7	12
24	An Improved Lion Strategy for the Lion and Man Problem. , 2017, 1, 38-43.		11
25	A student control competition through a remote robotics lab. IEEE Control Systems, 2005, 25, 56-59.	0.8	10
26	RACT: a Remote Lab for Robotics Experiments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8153-8158.	0.4	9
27	A discrete-time pursuitâ€“evasion game in convex polygonal environments. Systems and Control Letters, 2019, 125, 22-28.	2.3	9
28	On input design in $\langle \text{mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier..$	5.0	8
29	Auto Optimal input design for identification of systems with quantized measurements. , 2008, , .		8
30	A Matlab-based Remote Lab for Multi-Robot Experiments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 42, 162-167.	0.4	8
31	A constraint selection technique for recursive set membership identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1790-1795.	0.4	8
32	A chance constraint approach to peak mitigation in electric vehicle charging stations. Automatica, 2021, 131, 109746.	5.0	8
33	An internet based laboratory for control of a safety critical system. , 0, , .		7
34	Set-membership identification of ARX models with quantized measurements. , 2011, , .		7
35	A constraint selection technique for set membership estimation of time-varying parameters. , 2014, , .		7
36	Input design for worst-case system identification with uniformly quantized measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 54-59.	0.4	6

#	ARTICLE	IF	CITATIONS
37	MARS: a Matlab simulator for mobile robotics experiments. IFAC-PapersOnLine, 2016, 49, 69-74.	0.9	6
38	An integrated MPC approach for demand-response heating and energy storage operation in smart buildings. , 2017, , .		6
39	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.	0.4	5
40	Receding horizon control for demand-response operation of building heating systems. , 2014, , .		5
41	Remote system identification in the "Automatic Control Telelab" environment. , 0, , .		4
42	A DECISION SUPPORT SYSTEM FOR THE MANAGEMENT OF COASTAL LAGOONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 67-72.	0.4	4
43	On the advantage of centralized strategies in the three-pursuer single-evader game. Systems and Control Letters, 2022, 160, 105122.	2.3	4
44	A remote lab for multi-robot experiments with virtual obstacles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 354-359.	0.4	3
45	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.	4.1	3
46	A novel family of pursuit strategies for the lion and man problem. , 2017, , .		3
47	A distributionally robust joint chance constraint approach to smart charging of plug-in electric vehicles. , 2019, , .		3
48	Building automation systems. , 2022, , 525-581.		3
49	On optimal input design in conditional set membership identification. , 0, , .		2
50	AIRES: A STANDARD FOR WEB-BASED REMOTE EXPERIMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 31-36.	0.4	2
51	Efficient computation of $\hat{\sigma}_1$ uncertainty model from an impulse response set. Automatica, 2008, 44, 2570-2576.	5.0	2
52	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.	0.4	2
53	Model-based decision support for integrated management and control of coastal lagoons. , 2007, , .		1
54	A new class of pursuer strategies for the discrete-time lion and man problem. Automatica, 2019, 100, 162-170.	5.0	1

#	ARTICLE	IF	CITATIONS
55	A Matlab-Based Remote Lab for Control and Robotics Education. , 2009, , 127-151.		1
56	Cooperative versus non-cooperative strategies in three-pursuer single-evader games. , 2020, , .		1
57	ERROR BOLINDS FOR FIR MODELS IN CONDITIONAL SET-MEMBERSHIP IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1215-1220.	0.4	0
58	INCREASING REMOTE LABS RELIABILITY AND EFFICIENCY BY USING A LIVE CD. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 180-185.	0.4	0
59	MARS: An Educational Environment for Multiagent Robot Simulations. Modelling and Simulation in Engineering, 2016, 2016, 1-13.	0.7	0
60	Optimal demand-response operation of heating and energy storage in smart buildings. , 2017, , .		0