Laura Giarre'

List of Publications by Year
in descending order

92	1,706	516215 16	344852 36
papers	citations	h-index	g-index

94	94	94	1238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal plug-and-control of unknown nonlinear systems. European Journal of Control, 2022, 64, 100606.	1.6	2
2	A Navigation and Augmented Reality System for Visually Impaired People. Sensors, 2021, 21, 3061.	2.1	25
3	On optimal design of experiments for static polynomial approximation of nonlinear systems. Systems and Control Letters, 2020, 143, 104758.	1.3	3
4	Privacy-Preserving Overgrid: Secure Data Collection for the Smart Grid. Sensors, 2020, 20, 2249.	2.1	8
5	Supporting Autonomous Navigation of Visually Impaired People for Experiencing Cultural Heritage. Studies in Computational Intelligence, 2020, , 25-46.	0.7	2
6	Optimal experiment design for static polynomial approximation of nonlinear systems. , 2019, , .		1
7	An Indoor and Outdoor Navigation System for Visually Impaired People. IEEE Access, 2019, 7, 170406-170418.	2.6	42
8	Mixed â„“ 2 and â„“ 1 -norm regularization for adaptive detrending with ARMA modeling. Journal of the Franklin Institute, 2018, 355, 1493-1511.	1.9	3
9	Large Scale Control of Deferrable Domestic Loads in Smart Grids. IEEE Transactions on Smart Grid, 2018, 9, 733-742.	6.2	12
10	Sensor Fusion Localization and Navigation for Visually Impaired People. , 2018, , .		8
11	Deep Trail-Following Robotic Guide Dog in Pedestrian Environments for People who are Blind and Visually Impaired - Learning from Virtual and Real Worlds. , 2018, , .		41
12	Teletraffic engineering for direct load control in smart grids. Sustainable Energy, Grids and Networks, 2018, 16, 167-176.	2.3	2
13	In.Line: A Navigation Game for Visually Impaired People. Lecture Notes in Computer Science, 2017, , 147-153.	1.0	3
14	Enabling independent navigation for visually impaired people through a wearable vision-based feedback system. , 2017, , .		91
15	Regularized LMS methods for baseline wandering removal in wearable ECG devices. , 2016, , .		3
16	Adaptive quadratic regularization for baseline wandering removal in wearable ECG devices. , 2016, , .		1
17	Enhancing tracking performance in a smartphone-based navigation system for visually impaired people. , 2016, , .		18
18	Scalable and privacy-preserving admission control for smart grids. , 2015, , .		3

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19	Unidirectional direct load control through smart plugs. , 2014, , .		0
20	Optimal resource allocation in multi-hop networks: Contention vs. scheduling. , 2014, , .		0
21	Smart plugs: A low cost solution for programmable control of domestic loads. , 2014, , .		5
22	ARIANNA: A smartphone-based navigation system with human in the loop. , 2014, , .		18
23	Unidirectional probabilistic direct control for deferrable loads. , 2014, , .		7
24	MED14 [Conference Reports]. IEEE Control Systems, 2014, 34, 137-139.	1.0	0
25	The linear saturated decentralized strategy for constrained flow control is asymptotically optimal. Automatica, 2013, 49, 2206-2212.	3.0	19
26	Model identification of a network as compressing sensing. Systems and Control Letters, 2013, 62, 664-672.	1.3	32
27	Modeling energy demand aggregators for residential consumers. , 2013, , .		11
28	Identification of distributed systems with logical interaction structure. , 2012, , .		4
29	Enabling Primary and Specialist Care Interoperability Through HL7 CDA Release 2 and the Chronic Care Model: An Italian Case Study. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 1364-1384.	3.4	7
30	Quantized Dissensus in Networks of Agents Subject to Death and Duplication. IEEE Transactions on Automatic Control, 2012, 57, 783-788.	3.6	16
31	Coloring-based resource allocations in ad-hoc wireless networks. , 2011, , .		1
32	MAC Design for WiFi Infrastructure Networks: A Game-Theoretic Approach. IEEE Transactions on Wireless Communications, 2011, 10, 2510-2522.	6.1	15
33	Achieving fair bandwidth distribution in WiFi Networks: a Game Theoretical Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5645-5650.	0.4	1
34	OLS Identification of network topologies. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8836-8841.	0.4	0
35	Hybrid LPV modeling and identification. , 2011, , 11-39.		0
36	Relations between structure and estimators in networks of dynamical systems. , 2011, , .		12

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37	Decentralized Synchronization for Zigbee wireless sensor networks in Multi-Hop Topology. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 257-262.	0.4	2
38	A game theoretic approach to MAC design for infrastructure networks. , 2010, , .		3
39	HL7v3 CDA Rel.2 Patient Summary and Chronic Care Model: Localization experience and GP/HS Integration Project. , 2010, , .		3
40	Robust control of uncertain multi-inventory systems via linear matrix inequality. International Journal of Control, 2010, 83, 1727-1740.	1.2	7
41	A decentralized solution for the constrained minimum cost flow. , 2010, , .		3
42	HL7v3 CDA Rel.2 prescription: Localization experience and GP Integration Project. , 2010, , .		1
43	Reduced complexity models in the identification of dynamical networks: Links with sparsification problems. , 2009, , .		8
44	Resource sharing optimality in WiFi infrastructure networks. , 2009, , .		4
45	Dissensus, death and division. , 2009, , .		7
46	Performance Analysis of Selfish Access Strategies on WiFi Infrastructure Networks. , 2009, , .		1
47	Distributed consensus in noncooperative inventory games. European Journal of Operational Research, 2009, 192, 866-878.	3.5	16
48	Identification and validation of quasispecies models for biological systems. Systems and Control Letters, 2009, 58, 529-539.	1.3	4
49	Consensus for Networks with Unknown but Bounded Disturbances. SIAM Journal on Control and Optimization, 2009, 48, 1756-1770.	1.1	73
50	Medium access in WiFi networks: strategies of selfish nodes [Applications Corner]. IEEE Signal Processing Magazine, 2009, 26, 124-128.	4.6	8
51	The role of the Access Point in Wi-Fi networks with selfish nodes. , 2009, , .		7
52	Dealing with Uncertainty in Consensus Protocols. Understanding Complex Systems, 2009, , 43-58.	0.3	1
53	Consensus in Noncooperative Dynamic Games: A Multiretailer Inventory Application. IEEE Transactions on Automatic Control, 2008, 53, 998-1003.	3.6	31
54	Noncooperative dynamic games for inventory applications: A consensus approach. , 2008, , .		0

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55	Application of model quality evaluation to systems biology. , 2008, , .		0
56	Robust control of uncertain multi-inventory systems via linear matrix inequality. , 2008, , .		2
57	Challenging aspects in Consensus protocols for Networks. , 2008, , .		0
58	Robust control in uncertain multi-inventory systems and consensus problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 9027-9032.	0.4	7
59	Consensus in inventory games. , 2008, , .		0
60	On Discovering Low Order Models in Biochemical Reaction Kinetics. Proceedings of the American Control Conference, 2007, , .	0.0	6
61	Lazy consensus for networks with unknown but bounded disturbances. , 2007, , .		13
62	Identification of Replicator-Mutator Models. , 2006, , .		0
63	PARAMETER BOUNDED ESTIMATION FOR QUASISPECIES MODELS OF MOLECULAR EVOLUTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1186-1191.	0.4	3
64	LPV model identification for gain scheduling control: An application to rotating stall and surge control problem. Control Engineering Practice, 2006, 14, 351-361.	3.2	79
65	Non-linear protocols for optimal distributed consensus in networks of dynamic agents. Systems and Control Letters, 2006, 55, 918-928.	1.3	209
66	Set Membership (In) Validation of nonlinear positive models for biological systems. , 2006, , .		0
67	Mechanism Design for Optimal Consensus Problems. , 2006, , .		32
68	Approximation of the Feasible Parameter Set in worst-case identification of Hammerstein models. Automatica, 2005, 41, 1017-1024.	3.0	24
69	NARX models of an industrial power plant gas turbine. IEEE Transactions on Control Systems Technology, 2005, 13, 599-604.	3.2	69
70	Multiple UAV cooperative path planning via neuro-dynamic programming. , 2004, , .		23
71	Neuro-dynamic programming for cooperative inventory control. , 2004, , .		5
72	Approximation of feasible parameter set in worst case identification of block-oriented nonlinear models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 843-848.	0.4	0

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73	Identification of approximated hammerstein models in a worst-case setting. IEEE Transactions on Automatic Control, 2002, 47, 2046-2050.	3.6	25
74	Identification of linear parameter varying models. International Journal of Robust and Nonlinear Control, 2002, 12, 841-853.	2.1	353
75	LPV Model Identification For The Stall And Surge Control of a Jet Engine. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 105-110.	0.4	4
76	Identification for a General Class of LPV Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 277-282.	0.4	10
77	SM identification of approximating models forHâˆž robust control. International Journal of Robust and Nonlinear Control, 1999, 9, 319-332.	2.1	17
78	SM evaluation of frequency response variation rate for H/sub /spl infin// identification. , 1998, , .		0
79	Robust Identification and Control of Scanning Probe Microscope Scanner. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 33-38.	0.4	1
80	H/sub âˆž/ identification and model quality evaluation. IEEE Transactions on Automatic Control, 1997, 42, 188-199.	3.6	81
81	Model quality evaluation in H/sub 2/ identification. IEEE Transactions on Automatic Control, 1997, 42, 691-698.	3.6	11
82	Model quality evaluation in set membership identification. Automatica, 1997, 33, 1133-1139.	3.0	54
83	Nominal optimal controller with enhanced performance via adaptive-Q feedback. International Journal of Adaptive Control and Signal Processing, 1996, 10, 635-648.	2.3	0
84	Hâˆž identification and model structure selection. International Journal of Robust and Nonlinear Control, 1996, 6, 367-377.	2.1	6
85	Indirect and implicit adaptive predictive control of the benchmark plant. Automatica, 1994, 30, 577-584.	3.0	9
86	Sidestepping the positive real condition in RELS via multiple RLS identifiers. Automatica, 1993, 29, 1145-1148.	3.0	0
87	Implicit predictive adaptive control with stochastic gradient identifiers. IEEE Transactions on Automatic Control, 1993, 38, 1135-1139.	3.6	1
88	A polynomial approach to the MIMO LQ servo and disturbance rejection problems. Automatica, 1992, 28, 209-213.	3.0	8
89	Minimax LQ stochastic tracking and servo problems. IEEE Transactions on Automatic Control, 1990, 35, 95-97.	3.6	20
90	Identification of linear parameter varying models. , 0, , .		20

#	Article	IF	Citations
91	Distributed Consensus in Networks of Dynamic Agents. , 0, , .		14
92	Learning Research Methods and Processes via Sharing Experience in a BLOG. , 0, , .		3