Jorge Cortes

List of Publications by Year
in descending order

272	14,356	46984 47	25770 108
papers	citations	h-index	g-index

276	276	276	5782
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resource-Aware Discretization of Accelerated Optimization Flows: The Heavy-Ball Dynamics Case. IEEE Transactions on Automatic Control, 2023, 68, 2109-2124.	3.6	3
2	Average Dwell-Time Minimization of Switched Systems via Sequential Convex Programming. , 2022, 6, 1076-1081.		3
3	Solving Linear Equations With Separable Problem Data Over Directed Networks. , 2022, 6, 596-601.		1
4	Time-Varying Optimization of LTI Systems Via Projected Primal-Dual Gradient Flows. IEEE Transactions on Control of Network Systems, 2022, 9, 474-486.	2.4	20
5	Learning Koopman Eigenfunctions and Invariant Subspaces From Data: Symmetric Subspace Decomposition. IEEE Transactions on Automatic Control, 2022, 67, 3442-3457.	3.6	8
6	Agent-Supervisor Coordination for Decentralized Event-Triggered Optimization. , 2022, 6, 1970-1975.		0
7	Enabling DER Participation in Frequency Regulation Markets. IEEE Transactions on Control Systems Technology, 2022, 30, 2391-2405.	3.2	5
8	Data-Driven Optimal Control of Bilinear Systems. , 2022, 6, 2479-2484.		12
9	Iterative Algorithms for Assessing Network Resilience Against Structured Perturbations. IEEE Transactions on Control of Network Systems, 2022, 9, 1816-1827.	2.4	1
10	Learning Constant-Gain Stabilizing Controllers for Frequency Regulation Under Variable Inertia. , 2022, 6, 3056-3061.		1
11	Encoding Impact of Network Modification on Controllability via Edge Centrality Matrix. IEEE Transactions on Control of Network Systems, 2022, 9, 1899-1910.	2.4	1
12	Safe Control Synthesis With Uncertain Dynamics and Constraints. IEEE Robotics and Automation Letters, 2022, 7, 7295-7302.	3.3	6
13	Hierarchical Selective Recruitment in Linear-Threshold Brain Networks Part II: Multilayer Dynamics and Top-Down Recruitment. IEEE Transactions on Automatic Control, 2021, 66, 965-980.	3.6	7
14	Opportunistic robot control for interactive multiobjective optimization under human performance limitations. Automatica, 2021, 123, 109263.	3.0	2
15	Virtual-Voltage Partition-Based Approach to Optimal Transmission Switching. IEEE Transactions on Control Systems Technology, 2021, 29, 1246-1256.	3.2	2
16	Data-Driven Ambiguity Sets With Probabilistic Guarantees for Dynamic Processes. IEEE Transactions on Automatic Control, 2021, 66, 2991-3006.	3.6	17
17	Safety-Critical Event Triggered Control via Input-to-State Safe Barrier Functions. , 2021, 5, 749-754.		20
18	Hierarchical Selective Recruitment in Linear-Threshold Brain Networksâ€"Part I: Single-Layer Dynamics and Selective Inhibition. IEEE Transactions on Automatic Control, 2021, 66, 949-964.	3.6	12

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19	Aerial Slung-Load Position Tracking Under Unknown Wind Forces. IEEE Transactions on Automatic Control, 2021, 66, 3952-3968.	3.6	9
20	Model predictive control for transient frequency regulation of power networks. Automatica, 2021, 123, 109335.	3.0	8
21	Linear-Threshold Dynamics for the Study of Epileptic Events. , 2021, 5, 1405-1410.		4
22	Exploiting Timing Information in Event-Triggered Stabilization of Linear Systems With Disturbances. IEEE Transactions on Control of Network Systems, 2021, 8, 15-27.	2.4	7
23	Data-Based Receding Horizon Control of Linear Network Systems. , 2021, 5, 1207-1212.		28
24	Networked Systems. , 2021, , 1436-1441.		0
25	Dynamics of Data-driven Ambiguity Sets for Hyperbolic Conservation Laws with Uncertain Inputs. SIAM Journal of Scientific Computing, 2021, 43, A2102-A2129.	1.3	2
26	Parallel Learning of Koopman Eigenfunctions and Invariant Subspaces for Accurate Long-Term Prediction. IEEE Transactions on Control of Network Systems, 2021, 8, 1833-1845.	2.4	7
27	Data-Driven Approximation of Koopman-Invariant Subspaces with Tunable Accuracy. , 2021, , .		3
28	Learning Barrier Functions With Memory for Robust Safe Navigation. IEEE Robotics and Automation Letters, 2021, 6, 4931-4938.	3.3	17
29	Temporal sampling annealing schemes for receding horizon multi-agent planning. Robotics and Autonomous Systems, 2021, 143, 103823.	3.0	0
30	Frequency Regulation With Heterogeneous Energy Resources: A Realization Using Distributed Control. IEEE Transactions on Smart Grid, 2021, 12, 4126-4136.	6.2	18
31	Network Optimization via Smooth Exact Penalty Functions Enabled by Distributed Gradient Computation. IEEE Transactions on Control of Network Systems, 2021, 8, 1430-1441.	2.4	4
32	Frequency-driven market mechanisms for optimal dispatch in power networks. Automatica, 2021, 133, 109861.	3.0	5
33	Energy-Transfer Edge Centrality and Its Role in Enhancing Network Controllability. IEEE Transactions on Network Science and Engineering, 2021, 8, 331-346.	4.1	6
34	A Nonsmooth Approach to Controller Synthesis for Boolean Specifications. IEEE Transactions on Automatic Control, 2021, 66, 5160-5174.	3.6	8
35	Networked Systems. , 2021, , 1-6.		1
36	Anytime Solution of Constrained Nonlinear Programs via Control Barrier Functions. , 2021, , .		1

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37	Data-Driven Synthesis of Optimization-Based Controllers for Regulation of Unknown Linear Systems. , 2021, , .		3
38	Data-Driven Reconstruction of Firing Rate Dynamics in Brain Networks. , 2021, , .		1
39	Network Connectivity Maintenance via Nonsmooth Control Barrier Functions. , 2021, , .		4
40	Distributed Sliding Mode Control for Nonlinear Heterogeneous Platoon Systems With Positive Definite Topologies. IEEE Transactions on Control Systems Technology, 2020, 28, 1272-1283.	3.2	67
41	Hierarchical-Distributed Optimized Coordination of Intersection Traffic. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2100-2113.	4.7	21
42	The Value of Timing Information in Event-Triggered Control. IEEE Transactions on Automatic Control, 2020, 65, 925-940.	3.6	35
43	Hierarchical reinforcement learning via dynamic subspace search for multi-agent planning. Autonomous Robots, 2020, 44, 485-503.	3.2	17
44	Iterative Bidding in Electricity Markets: Rationality and Robustness. IEEE Transactions on Network Science and Engineering, 2020, 7, 1265-1281.	4.1	15
45	Event-triggered stabilization of nonlinear systems with time-varying sensing and actuation delay. Automatica, 2020, 113, 108754.	3.0	21
46	Cooperative Data-Driven Distributionally Robust Optimization. IEEE Transactions on Automatic Control, 2020, 65, 4400-4407.	3.6	22
47	Distributed Multi-agent Deployment for Full Visibility of 1.5D and 2.5D Polyhedral Terrains. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 1111-1127.	2.0	1
48	Edge Centrality Matrix: Impact of Network Modification on Gramian Controllability Metrics. , 2020, , .		2
49	Fast Identification of Koopman-Invariant Subspaces: Parallel Symmetric Subspace Decomposition. , 2020, , .		4
50	Exploiting Bias for Cooperative Planning in Multi-Agent Tree Search. IEEE Robotics and Automation Letters, 2020, 5, 1819-1826.	3.3	3
51	Distributed Bilayered Control for Transient Frequency Safety and System Stability in Power Grids. IEEE Transactions on Control of Network Systems, 2020, 7, 1476-1488.	2.4	5
52	Nesterov Acceleration for Equality-Constrained Convex Optimization via Continuously Differentiable Penalty Functions. , 2020, , 1-1.		3
53	Stokes drift of plankton in linear internal waves: Crossâ€shore transport of neutrally buoyant and depthâ€keeping organisms. Limnology and Oceanography, 2020, 65, 1286-1296.	1.6	10
54	Hybrid Interconnection of Iterative Bidding and Power Network Dynamics for Frequency Regulation and Optimal Dispatch. IEEE Transactions on Control of Network Systems, 2019, 6, 572-585.	2.4	11

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55	Characterizing Tolerable Disturbances for Transient-State Safety in Power Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 210-224.	4.1	3
56	Event-triggered control under time-varying rates and channel blackouts. IFAC Journal of Systems and Control, 2019, 9, 100064.	1.1	6
57	Saddle-Flow Dynamics for Distributed Feedback-Based Optimization. , 2019, 3, 948-953.		23
58	Distributed transient frequency control for power networks with stability and performance guarantees. Automatica, 2019, 105, 274-285.	3.0	8
59	Tutorial on Dynamic Average Consensus: The Problem, Its Applications, and the Algorithms. IEEE Control Systems, 2019, 39, 40-72.	1.0	207
60	Event-triggered communication and control of networked systems for multi-agent consensus. Automatica, 2019, 105, 1-27.	3.0	388
61	Heterogeneity of central nodes explains the benefits of time-varying control scheduling in complex dynamical networks. Journal of Complex Networks, 2019, , .	1.1	11
62	Efficient Identification of Linear Evolutions in Nonlinear Vector Fields: Koopman Invariant Subspaces. , 2019, , .		7
63	Universal Formula for Smooth Safe Stabilization. , 2019, , .		14
64	Network Modification using a Novel Gramian-based Edge Centrality. , 2019, , .		3
65	Dynamic Evolution of Distributional Ambiguity Sets and Precision Tradeoffs in Data Assimilation. , 2019, , .		3
66	Oscillations and Coupling in Interconnections of Two-Dimensional Brain Networks. , 2019, , .		10
67	Approximating the Koopman Operator using Noisy Data: Noise-Resilient Extended Dynamic Mode Decomposition. , 2019, , .		7
68	Double-layered distributed transient frequency control with regional coordination. , 2019, , .		1
69	Distributed Coordination for Nonsmooth Convex Optimization via Saddle-Point Dynamics. Journal of Nonlinear Science, 2019, 29, 1247-1272.	1.0	40
70	Scheduled-Asynchronous Distributed Algorithm for Optimal Power Flow. IEEE Transactions on Control of Network Systems, 2019, 6, 261-275.	2.4	2
71	The Role of Convexity in Saddle-Point Dynamics: Lyapunov Function and Robustness. IEEE Transactions on Automatic Control, 2018, 63, 2449-2464.	3.6	60
72	Event-Triggered Second-Moment Stabilization of Linear Systems Under Packet Drops. IEEE Transactions on Automatic Control, 2018, 63, 2374-2388.	3.6	15

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73	Differentially Private Distributed Convex Optimization via Functional Perturbation. IEEE Transactions on Control of Network Systems, 2018, 5, 395-408.	2.4	96
74	Distributed Control of Vehicle Strings Under Finite-Time and Safety Specifications. IEEE Transactions on Control of Network Systems, 2018, 5, 1399-1411.	2.4	9
75	Distributed Coordination of DERs With Storage for Dynamic Economic Dispatch. IEEE Transactions on Automatic Control, 2018, 63, 835-842.	3.6	30
76	Distributed Algorithm via Continuously Differentiable Exact Penalty Method for Network Optimization. , 2018, , .		6
77	Event-triggering stabilization of complex linear systems with disturbances over digital channels. , 2018, , .		2
78	Event- Triggered Control Design with Performance Barrier. , 2018, , .		7
79	Transient frequency control with regional cooperation for power networks. , 2018, , .		2
80	Co-Optimization of Control and Actuator Selection for Cyber-Physical Systems. IFAC-PapersOnLine, 2018, 51, 118-123.	0.5	7
81	Selective Recruitment in Hierarchical Complex Dynamical Networks with Linear-Threshold Rate Dynamics. , 2018, , .		1
82	Distributed Transient Frequency Control in Power Networks. , 2018, , .		2
83	Boolean Composability of Constraints and Control Synthesis for Multi-Robot Systems via Nonsmooth Control Barrier Functions. , 2018, , .		18
84	Stable Interconnection of Continuous-Time Price-Bidding Mechanisms with Power Network Dynamics. , 2018, , .		2
85	Participation of Microgrids in Frequency Regulation Markets. , 2018, , .		4
86	Receding-Horizon Multi-Objective Optimization for Disaster Response. , 2018, , .		5
87	Event-triggered stabilization of disturbed linear systems over digital channels. , 2018, , .		6
88	Network Identification With Latent Nodes via Autoregressive Models. IEEE Transactions on Control of Network Systems, 2018, 5, 722-736.	2.4	8
89	Stability Analysis of Complex Networks with Linear-Threshold Rate Dynamics. , 2018, , .		4
90	Integrating Iterative Bidding in Electricity Markets and Frequency Regulation. , 2018, , .		3

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91	Gramian-Based Reachability Metrics for Bilinear Networks. IEEE Transactions on Control of Network Systems, 2017, 4, 620-631.	2.4	32
92	Saddle-Point Dynamics: Conditions for Asymptotic Stability of Saddle Points. SIAM Journal on Control and Optimization, 2017, 55, 486-511.	1.1	100
93	Differentially private average consensus: Obstructions, trade-offs, and optimal algorithm design. Automatica, 2017, 81, 221-231.	3.0	182
94	Decentralized Nash equilibrium seeking by strategic generators for DC optimal power flow. , 2017, , .		5
95	Nonsmooth Barrier Functions With Applications to Multi-Robot Systems. , 2017, 1, 310-315.		151
96	A scheduled-asynchronous distributed optimization algorithm for the optimal power flow problem. , 2017, , .		4
97	Distributed coordination of power generators for a linearized optimal power flow problem. , 2017, , .		6
98	Distributed Saddle-Point Subgradient Algorithms With Laplacian Averaging. IEEE Transactions on Automatic Control, 2017, 62, 2720-2735.	3.6	53
99	Time-invariant versus time-varying actuator scheduling in complex networks. , 2017, , .		17
100	Dynamic domain reduction for multi-agent planning. , 2017, , .		3
101	Grid-connected microgrid participation in frequency-regulation markets via hierarchical coordination. , 2017, , .		3
102	Time-triggering versus event-triggering control over communication channels. , 2017, , .		20
103	Event-triggered interactive gradient descent for real-time multi-objective optimization. , 2017, , .		1
104	Transient-state feasibility set approximation of power networks against disturbances of unknown amplitude. , 2017, , .		2
105	Data-driven distributed optimization using Wasserstein ambiguity sets. , 2017, , .		5
106	Convex relaxation for mixed-integer optimal power flow problems. , 2017, , .		3
107	The value of timing information in event-triggered control: The scalar case. , 2016, , .		10
108	The role of strong convexity-concavity in the convergence and robustness of the saddle-point dynamics. , 2016, , .		2

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109	Exponentially fast distributed coordination for nonsmooth convex optimization. , 2016, , .		7
110	Visibility-Based Distributed Deployment of Robotic Teams in Polyhedral Terrains. , 2016, , .		1
111	Differentially private distributed convex optimization via objective perturbation. , 2016, , .		24
112	Differential privacy in control and network systems. , 2016, , .		132
113	Event-triggered control for nonlinear systems with time-varying input delay. , 2016, , .		4
114	Distributed Control and Estimation of Robotic Vehicle Networks: Overview of the Special Issue. IEEE Control Systems, 2016, 36, 36-40.	1.0	24
115	Initialization-free distributed coordination for economic dispatch under varying loads and generator commitment. Automatica, 2016, 74, 183-193.	3.0	172
116	Identification of linear networks with latent nodes. , 2016, , .		0
117	Distributed Linear Programming with Event-Triggered Communication. SIAM Journal on Control and Optimization, 2016, 54, 1769-1797.	1.1	18
118	Decentralized Nash equilibrium learning by strategic generators for economic dispatch. , 2016, , .		13
119	Distributed algorithms for convex network optimization under non-sparse equality constraints. , 2016, , .		9
120	Event-triggered stabilization of scalar linear systems under packet drops. , 2016, , .		4
121	Quantifying the robustness of power networks against initial failure. , 2016, , .		3
122	Robust coordinated rendezvous of depth-actuated drifters in ocean internal waves. Automatica, 2016, 69, 265-274.	3.0	4
123	Noise-to-State Exponentially Stable Distributed Convex Optimization on Weight-Balanced Digraphs. SIAM Journal on Control and Optimization, 2016, 54, 266-290.	1.1	20
124	Distributed Bargaining in Dyadic-Exchange Networks. IEEE Transactions on Control of Network Systems, 2016, 3, 310-321.	2.4	6
125	Event-Triggered Stabilization of Linear Systems Under Bounded Bit Rates. IEEE Transactions on Automatic Control, 2016, 61, 1575-1589.	3.6	65
126	Distributed event-triggered coordination for average consensus on weight-balanced digraphs. Automatica, 2016, 68, 237-244.	3.0	215

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127	Asymptotic convergence of constrained primalâ€“dual dynamics. Systems and Control Letters, 2016, 87, 10-15.	1.3	132
128	Team-Triggered Coordination for Real-Time Control of Networked Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2016, 61, 34-47.	3.6	52
129	Differentially Private Average Consensus with Optimal Noise Selection. IFAC-PapersOnLine, 2015, 48, 203-208.	0.5	55
130	Distributed coordination for separable convex optimization with coupling constraints. , 2015, , .		7
131	Distributed subgradient methods for saddle-point problems. , 2015, , .		10
132	Event-triggered stabilization of linear systems under channel blackouts. , 2015, , .		2
133	Team-triggered coordination of robotic networks for optimal deployment. , 2015, , .		5
134	The effect of delayed side information on fundamental limitations of disturbance attenuation. , 2015, , .		3
135	Reachability metrics for bilinear complex networks. , 2015, , .		5
136	Asymptotic stability of saddle points under the saddle-point dynamics. , 2015, , .		9
137	Distributed dynamic economic dispatch of power generators with storage. , 2015, , .		3
138	Distributed optimization for multi-task learning via nuclear-norm approximationâˆ—âˆ—The authors are with the Department of Mechanical and Aerospace Engineering, University of California, San Diego, USA.. IFAC-PapersOnLine, 2015, 48, 64-69.	0.5	6
139	Network integrity via coordinated motion of stratospheric vehicles. , 2015, , .		1
140	Coordinated intersection traffic management. IFAC-PapersOnLine, 2015, 48, 233-239.	0.5	19
141	Dynamic average consensus under limited control authority and privacy requirements. International Journal of Robust and Nonlinear Control, 2015, 25, 1941-1966.	2.1	139
142	Distributed event-triggered communication for dynamic average consensus in networked systems. Automatica, 2015, 59, 112-119.	3.0	91
143	Distributed convex optimization via continuous-time coordination algorithms with discrete-time communication. Automatica, 2015, 55, 254-264.	3.0	474
144	Distributed Generator Coordination for Initialization and Anytime Optimization in Economic Dispatch. IEEE Transactions on Control of Network Systems, 2015, 2, 226-237.	2.4	205

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145	Robust Distributed Linear Programming. IEEE Transactions on Automatic Control, 2015, 60, 2567-2582.	3.6	45
146	Networked Systems. , 2015, , 849-853.		1
147	Distributed Online Convex Optimization Over Jointly Connected Digraphs. IEEE Transactions on Network Science and Engineering, 2014, 1, 23-37.	4.1	89
148	Coordinated rendezvous of underwater drifters in ocean internal waves. , 2014, , .		10
149	Event-triggered control with bounded data rate. , 2014, , .		1
150	Dynamic average consensus with distributed event-triggered communication. , 2014, , .		13
151	Robust estimation and aggregation of ocean internal wave parameters using Lagrangian drifters. , 2014, , .		0
152	Zeno-free, distributed event-triggered communication and control for multi-agent average consensus. , 2014, , .		61
153	Distributed, anytime optimization in power-generator networks for economic dispatch. , 2014, , .		8
154	Networked Systems. , 2014, , 1-6.		0
155	Distributed coordination for economic dispatch with varying load and generator commitment. , 2014, , .		8
156	Robust, Distributed Estimation of Internal Wave Parameters via Inter-Drogue Measurements. IEEE Transactions on Control Systems Technology, 2014, 22, 980-994.	3.2	9
157	Periodic and event-triggered communication for distributed continuous-time convex optimization. , 2014, , .		13
158	pth Moment Noise-to-State Stability of Stochastic Differential Equations with Persistent Noise. SIAM Journal on Control and Optimization, 2014, 52, 2399-2421.	1.1	16
159	Stealthy Deception in Hypergames Under Informational Asymmetry. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 785-795.	5.9	7
160	Distributed Continuous-Time Convex Optimization on Weight-Balanced Digraphs. IEEE Transactions on Automatic Control, 2014, 59, 781-786.	3.6	557
161	Distributed event-triggered optimization for linear programming. , 2014, , .		2
162	Distributed convergence to Nash equilibria in two-network zero-sum games. Automatica, 2013, 49, 1683-1692.	3.0	122

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163	Optimal leader allocation in UAV formation pairs ensuring cooperation. Automatica, 2013, 49, 3189-3198.	3.0	39
164	Hedonic coalition formation for optimal deployment. Automatica, 2013, 49, 3234-3245.	3.0	3
165	Simultaneous input and state estimation for nonlinear systems with applications to flow field estimation. Automatica, 2013, 49, 2805-2812.	3.0	51
166	Self-Triggered Optimal Servicing in Dynamic Environments With Acyclic Structure. IEEE Transactions on Automatic Control, 2013, 58, 1236-1249.	3.6	4
167	Collective Estimation of Ocean Nonlinear Internal Waves Using Robotic Underwater Drifters. IEEE Access, 2013, 1, 418-427.	2.6	9
168	Distributed line search via dynamic convex combinations. , 2013, , .		3
169	Noise-to-state exponentially stable distributed convex optimization on weight-balanced digraphs. , 2013, , .		4
170	Integral input-to-state stable saddle-point dynamics for distributed linear programming. , 2013, , .		1
171	Distributed linear programming and bargaining in exchange networks. , 2013, , .		2
172	Team-triggered coordination of networked systems. , 2013, , .		7
173	Stability of stochastic differential equations with additive persistent noise. , 2013, , .		5
174	Distributed map merging with consensus on common information. , 2013, , .		3
175	Singularly perturbed algorithms for dynamic average consensus. , 2013, , .		28
176	Robust Team-Triggered Coordination of Networked Cyberphysical Systems. Lecture Notes in Control and Information Sciences, 2013, , 317-336.	0.6	3
177	Distributed convergence to Nash equilibria by adversarial networks with directed topologies. , 2012, , .		5
178	Distributed estimation of internal wave parameters via inter-drogue distances. , 2012, , .		2
179	Optimal leader allocation in UAV formation pairs under no-cost switching. , 2012, , .		3
180	Distributed convergence to Nash equilibria by adversarial networks with undirected topologies. , 2012, , .		9

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181	Robust optimal decision policies for servicing targets in acyclic digraphs. , 2012, , .		0
182	Distributed Consensus on Robot Networks for Dynamically Merging Feature-Based Maps. IEEE Transactions on Robotics, 2012, 28, 840-854.	7.3	97
183	Distributed Tree Rearrangements for Reachability and Robust Connectivity. SIAM Journal on Control and Optimization, 2012, 50, 2588-2620.	1.1	13
184	Distributed Strategies for Generating Weight-Balanced and Doubly Stochastic Digraphs. European Journal of Control, 2012, 18, 539-557.	1.6	121
185	Continuous-time distributed convex optimization on weight-balanced digraphs. , 2012, , .		18
186	Optimal leader allocation in UAV formation pairs under costly switching. , 2012, , .		1
187	Evolution of Players' Misperceptions in Hypergames Under Perfect Observations. IEEE Transactions on Automatic Control, 2012, 57, 1627-1640.	3.6	21
188	Adaptive Information Collection by Robotic Sensor Networks for Spatial Estimation. IEEE Transactions on Automatic Control, 2012, 57, 1404-1419.	3.6	53
189	Robotic Networks, Distributed Algorithms for. , 2012, , 1489-1504.		0
190	Cooperative adaptive sampling of random fields with partially known covariance. International Journal of Robust and Nonlinear Control, 2012, 22, 504-534.	2.1	12
191	Cooperative detection of areas of rapid change in spatial fields. Automatica, 2012, 48, 673-681.	3.0	2
192	Self-triggered coordination of robotic networks for optimal deployment. Automatica, 2012, 48, 1077-1087.	3.0	176
193	Deployment of an unreliable robotic sensor network for spatial estimation. Systems and Control Letters, 2012, 61, 41-49.	1.3	10
194	Cooperative adaptive sampling of random fields with partially known covariance. International Journal of Robust and Nonlinear Control, 2012, 22, 504-534.	2.1	4
195	Statistical Properties and Robustness of Biological Controller-Target Networks. PLoS ONE, 2012, 7, e29374.	1.1	13
196	Distributed consensus algorithms for merging feature-based maps with limited communication. Robotics and Autonomous Systems, 2011, 59, 163-180.	3.0	36
197	Coalition formation and motion coordination for optimal deployment. , 2011, , .		2
198	Exploration of misperceptions in hypergames. , 2011, , .		2

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199	Stealthy strategies for deception in hypergames with asymmetric information. , 2011, , .		2
200	Self-triggered coordination of robotic networks for optimal deployment. , 2011, , .		15
201	Learning of equilibria and misperceptions in hypergames with perfect observations. , 2011, , .		3
202	Systems approaches and algorithms for discovery of combinatorial therapies. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 181-193.	6.6	91
203	Evolution of the perception about the opponent in hypergames. , 2010, , .		6
204	Generalized multicircumcenter trajectories for optimal design under near-independence. , 2010, , .		1
205	Spatial statistics and distributed estimation by robotic sensor networks. , 2010, , .		18
206	Deployment of an unreliable robotic sensor network for spatial estimation. , 2010, , .		2
207	When does a digraph admit a doubly stochastic adjacency matrix?. , 2010, , .		51
208	Coverage Optimization and Spatial Load Balancing by Robotic Sensor Networks. IEEE Transactions on Automatic Control, 2010, 55, 749-754.	3.6	112
209	Nonsmooth Coordination and Geometric Optimization via Distributed Dynamical Systems. SIAM Review, 2009, 51, 163-189.	4.2	15
210	Cooperative adaptive sampling via approximate entropy maximization. , 2009, , .		12
211	Distributed sampling of random fields with unknown covariance. , 2009, , .		5
212	Global formation-shape stabilization of relative sensing networks. , 2009, , .		16
213	Distributed Motion Constraints for Algebraic Connectivity of Robotic Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 56, 99-126.	2.0	53
214	Global and robust formation-shape stabilization of relative sensing networks. Automatica, 2009, 45, 2754-2762.	3.0	125
215	Coverage control by multi-robot networks with limited-range anisotropic sensory. International Journal of Control, 2009, 82, 1113-1121.	1.2	78
216	Asymptotic Optimality of Multicenter Voronoi Configurations for Random Field Estimation. IEEE Transactions on Automatic Control, 2009, 54, 153-158.	3.6	37

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217	Distributed Kriged Kalman Filter for Spatial Estimation. IEEE Transactions on Automatic Control, 2009, 54, 2816-2827.	3.6	205
218	Distributed strategies for making a digraph weight-balanced. , 2009, , .		19
219	Multirobot Rendezvous With Visibility Sensors in Nonconvex Environments. IEEE Transactions on Robotics, 2009, 25, 340-352.	7.3	75
220	Special Issue on Control and Optimization in Cooperative Networks. SIAM Journal on Control and Optimization, 2009, 48, vii-vii.	1.1	20
221	Distributed Tree Rearrangements for Reachability and Robust Connectivity. Lecture Notes in Computer Science, 2009, , 470-474.	1.0	7
222	Distributed Control of Robotic Networks. , 2009, , .		1,134
223	Nonholonomic Lagrangian systems on Lie algebroids. Discrete and Continuous Dynamical Systems, 2009, 24, 213-271.	0.5	46
224	A catalog of inverse-kinematics planners for underactuated systems on matrix groups. Journal of Geometric Mechanics, 2009, 1, 445-460.	0.5	1
225	Distributed algorithms for reaching consensus on general functions. Automatica, 2008, 44, 726-737.	3.0	376
226	Notes on averaging over acyclic digraphs and discrete coverage control. Automatica, 2008, 44, 2120-2127.	3.0	41
227	Computational Geometry in Navigation and Path Planning [From The Guest Editors]. IEEE Robotics and Automation Magazine, 2008, 15, 6-7.	2.2	3
228	Discontinuous dynamical systems. IEEE Control Systems, 2008, 28, 36-73.	1.0	710
229	Distributed motion constraints for algebraic connectivity of robotic networks. , 2008, , .		8
230	Area-constrained coverage optimization by robotic sensor networks. , 2008, , .		7
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