Jorge Cortes

List of Publications by Year
in descending order

272 papers	14,356 citations	46918 47 h-index	25716 108 g-index
276 all docs	276 docs citations	276 times ranked	5782 citing authors

#	Article	IF	Citations
1	Coverage Control for Mobile Sensing Networks. IEEE Transactions on Automation Science and Engineering, 2004, 20, 243-255.	2.4	2,017
2	Distributed Control of Robotic Networks. , 2009, , .		1,134
3	Discontinuous dynamical systems. IEEE Control Systems, 2008, 28, 36-73.	1.0	710
4	Finite-time convergent gradient flows with applications to network consensus. Automatica, 2006, 42, 1993-2000.	3.0	672
5	Robust Rendezvous for Mobile Autonomous Agents via Proximity Graphs in Arbitrary Dimensions. IEEE Transactions on Automatic Control, 2006, 51, 1289-1298.	3.6	562
6	Distributed Continuous-Time Convex Optimization on Weight-Balanced Digraphs. IEEE Transactions on Automatic Control, 2014, 59, 781-786.	3.6	557
7	Distributed convex optimization via continuous-time coordination algorithms with discrete-time communication. Automatica, 2015, 55, 254-264.	3.0	474
8	Motion Coordination with Distributed Information. IEEE Control Systems, 2007, 27, 75-88.	1.0	414
9	Event-triggered communication and control of networked systems for multi-agent consensus. Automatica, 2019, 105, 1-27.	3.0	388
10	Distributed algorithms for reaching consensus on general functions. Automatica, 2008, 44, 726-737.	3.0	376
11	Coordination and Geometric Optimization via Distributed Dynamical Systems. SIAM Journal on Control and Optimization, 2005, 44, 1543-1574.	1.1	367
12	Spatially-distributed coverage optimization and control with limited-range interactions. ESAIM - Control, Optimisation and Calculus of Variations, 2005, 11, 691-719.	0.7	337
13	Distributed event-triggered coordination for average consensus on weight-balanced digraphs. Automatica, 2016, 68, 237-244.	3.0	215
14	Tutorial on Dynamic Average Consensus: The Problem, Its Applications, and the Algorithms. IEEE Control Systems, 2019, 39, 40-72.	1.0	207
15	Distributed Kriged Kalman Filter for Spatial Estimation. IEEE Transactions on Automatic Control, 2009, 54, 2816-2827.	3.6	205
16	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
17	Differentially private average consensus: Obstructions, trade-offs, and optimal algorithm design. Automatica, 2017, 81, 221-231.	3.0	182
18	Self-triggered coordination of robotic networks for optimal deployment. Automatica, 2012, 48, 1077-1087.	3.0	176

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19	Initialization-free distributed coordination for economic dispatch under varying loads and generator commitment. Automatica, 2016, 74, 183-193.	3.0	172
20	Nonsmooth Barrier Functions With Applications to Multi-Robot Systems. , 2017, 1, 310-315.		151
21	Dynamic average consensus under limited control authority and privacy requirements. International Journal of Robust and Nonlinear Control, 2015, 25, 1941-1966.	2.1	139
22	Differential privacy in control and network systems. , 2016, , .		132
23	Asymptotic convergence of constrained primalâ€“dual dynamics. Systems and Control Letters, 2016, 87, 10-15.	1.3	132
24	Global and robust formation-shape stabilization of relative sensing networks. Automatica, 2009, 45, 2754-2762.	3.0	125
25	Distributed convergence to Nash equilibria in two-network zero-sum games. Automatica, 2013, 49, 1683-1692.	3.0	122
26	Distributed Strategies for Generating Weight-Balanced and Doubly Stochastic Digraphs. European Journal of Control, 2012, 18, 539-557.	1.6	121
27	Coverage Optimization and Spatial Load Balancing by Robotic Sensor Networks. IEEE Transactions on Automatic Control, 2010, 55, 749-754.	3.6	112
28	Saddle-Point Dynamics: Conditions for Asymptotic Stability of Saddle Points. SIAM Journal on Control and Optimization, 2017, 55, 486-511.	1.1	100
29	Distributed Consensus on Robot Networks for Dynamically Merging Feature-Based Maps. IEEE Transactions on Robotics, 2012, 28, 840-854.	7.3	97
30	Differentially Private Distributed Convex Optimization via Functional Perturbation. IEEE Transactions on Control of Network Systems, 2018, 5, 395-408.	2.4	96
31	On Synchronous Robotic Networksâ€”Part I: Models, Tasks, and Complexity. IEEE Transactions on Automatic Control, 2007, 52, 2199-2213.	3.6	91
32	Systems approaches and algorithms for discovery of combinatorial therapies. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 181-193.	6.6	91
33	Distributed event-triggered communication for dynamic average consensus in networked systems. Automatica, 2015, 59, 112-119.	3.0	91
34	Distributed Online Convex Optimization Over Jointly Connected Digraphs. IEEE Transactions on Network Science and Engineering, 2014, 1, 23-37.	4.1	89
35	On Synchronous Robotic Networksâ€”Part II: Time Complexity of Rendezvous and Deployment Algorithms. IEEE Transactions on Automatic Control, 2007, 52, 2214-2226.	3.6	87
36	Non-holonomic integrators. Nonlinearity, 2001, 14, 1365-1392.	0.6	81

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37	Coverage control by multi-robot networks with limited-range anisotropic sensory. International Journal of Control, 2009, 82, 1113-1121.	1.2	78
38	Multirobot Rendezvous With Visibility Sensors in Nonconvex Environments. IEEE Transactions on Robotics, 2009, 25, 340-352.	7.3	75
39	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
40	Event-Triggered Stabilization of Linear Systems Under Bounded Bit Rates. IEEE Transactions on Automatic Control, 2016, 61, 1575-1589.	3.6	65
41	Geometric Description of Vakonomic and Nonholonomic Dynamics. Comparison of Solutions. SIAM Journal on Control and Optimization, 2002, 41, 1389-1412.	1.1	63
42	Zeno-free, distributed event-triggered communication and control for multi-agent average consensus. , 2014, , .		61
43	The Role of Convexity in Saddle-Point Dynamics: Lyapunov Function and Robustness. IEEE Transactions on Automatic Control, 2018, 63, 2449-2464.	3.6	60
44	Differentially Private Average Consensus with Optimal Noise Selection. IFAC-PapersOnLine, 2015, 48, 203-208.	0.5	55
45	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
46	Adaptive Information Collection by Robotic Sensor Networks for Spatial Estimation. IEEE Transactions on Automatic Control, 2012, 57, 1404-1419.	3.6	53
47	Distributed Saddle-Point Subgradient Algorithms With Laplacian Averaging. IEEE Transactions on Automatic Control, 2017, 62, 2720-2735.	3.6	53
48	Team-Triggered Coordination for Real-Time Control of Networked Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2016, 61, 34-47.	3.6	52
49	When does a digraph admit a doubly stochastic adjacency matrix?. , 2010, , .		51
50	Simultaneous input and state estimation for nonlinear systems with applications to flow field estimation. Automatica, 2013, 49, 2805-2812.	3.0	51
51	On the geometry of generalized Chaplygin systems. Mathematical Proceedings of the Cambridge Philosophical Society, 2002, 132, 323-351.	0.3	50
52	Mechanical control systems on Lie algebroids. IMA Journal of Mathematical Control and Information, 2004, 21, 457-492.	1.1	50
53	Nonholonomic Lagrangian systems on Lie algebroids. Discrete and Continuous Dynamical Systems, 2009, 24, 213-271.	0.5	46
54	Robust Distributed Linear Programming. IEEE Transactions on Automatic Control, 2015, 60, 2567-2582.	3.6	45

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55	A SURVEY OF LAGRANGIAN MECHANICS AND CONTROL ON LIE ALGEBROIDS AND GROUPOIDS. International Journal of Geometric Methods in Modern Physics, 2006, 03, 509-558.	0.8	44
56	Notes on averaging over acyclic digraphs and discrete coverage control. Automatica, 2008, 44, 2120-2127.	3.0	41
57	Distributed Coordination for Nonsmooth Convex Optimization via Saddle-Point Dynamics. Journal of Nonlinear Science, 2019, 29, 1247-1272.	1.0	40
58	Optimal leader allocation in UAV formation pairs ensuring cooperation. Automatica, 2013, 49, 3189-3198.	3.0	39
59	Analysis and design of oscillatory control systems. IEEE Transactions on Automatic Control, 2003, 48, 1164-1177.	3.6	38
60	Characterization of Gradient Control Systems. SIAM Journal on Control and Optimization, 2005, 44, 1192-1214.	1.1	37
61	Asymptotic Optimality of Multicenter Voronoi Configurations for Random Field Estimation. IEEE Transactions on Automatic Control, 2009, 54, 153-158.	3.6	37
62	Distributed consensus algorithms for merging feature-based maps with limited communication. Robotics and Autonomous Systems, 2011, 59, 163-180.	3.0	36
63	Coverage control by robotic networks with limited-range anisotropic sensory. , 2008, , .		35
64	The Value of Timing Information in Event-Triggered Control. IEEE Transactions on Automatic Control, 2020, 65, 925-940.	3.6	35
65	Gramian-Based Reachability Metrics for Bilinear Networks. IEEE Transactions on Control of Network Systems, 2017, 4, 620-631.	2.4	32
66	Visibility-based multi-agent deployment in orthogonal environments. Proceedings of the American Control Conference, 2007, , .	0.0	31
67	Distributed Coordination of DERs With Storage for Dynamic Economic Dispatch. IEEE Transactions on Automatic Control, 2018, 63, 835-842.	3.6	30
68	Singularly perturbed algorithms for dynamic average consensus. , 2013, , .		28
69	Data-Based Receding Horizon Control of Linear Network Systems. , 2021, 5, 1207-1212.		28
70	Differentially private distributed convex optimization via objective perturbation. , 2016, , .		24
71	Distributed Control and Estimation of Robotic Vehicle Networks: Overview of the Special Issue. IEEE Control Systems, 2016, 36, 36-40.	1.0	24
72	Saddle-Flow Dynamics for Distributed Feedback-Based Optimization. , 2019, 3, 948-953.		23

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73	The geometrical theory of constraints applied to the dynamics of vakonomic mechanical systems: The vakonomic bracket. Journal of Mathematical Physics, 2000, 41, 2090-2120.	0.5	22
74	Cooperative Data-Driven Distributionally Robust Optimization. IEEE Transactions on Automatic Control, 2020, 65, 4400-4407.	3.6	22
75	Evolution of Players' Misperceptions in Hypergames Under Perfect Observations. IEEE Transactions on Automatic Control, 2012, 57, 1627-1640.	3.6	21
76	Hierarchical-Distributed Optimized Coordination of Intersection Traffic. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2100-2113.	4.7	21
77	Event-triggered stabilization of nonlinear systems with time-varying sensing and actuation delay. Automatica, 2020, 113, 108754.	3.0	21
78	Special Issue on Control and Optimization in Cooperative Networks. SIAM Journal on Control and Optimization, 2009, 48, vii-vii.	1.1	20
79	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
80	Time-triggering versus event-triggering control over communication channels. , 2017, , .		20
81	Safety-Critical Event Triggered Control via Input-to-State Safe Barrier Functions. , 2021, 5, 749-754.		20
82	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
83	Motion Control Algorithms for Simple Mechanical Systems with Symmetry. Acta Applicandae Mathematicae, 2003, 76, 221-264.	0.5	19
84	Distributed strategies for making a digraph weight-balanced. , 2009, , .		19
85	Coordinated intersection traffic management. IFAC-PapersOnLine, 2015, 48, 233-239.	0.5	19
86	Reduction and reconstruction of the dynamics of nonholonomic systems. Journal of Physics A, 1999, 32, 8615-8645.	1.6	18
87	Symmetries in vakonomic dynamics: applications to optimal control. Journal of Geometry and Physics, 2001, 38, 343-365.	0.7	18
88	Skinnerâ€“Rusk approach to time-dependent mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 250-258.	0.9	18
89	Spatial statistics and distributed estimation by robotic sensor networks. , 2010, , .		18
90	Continuous-time distributed convex optimization on weight-balanced digraphs. , 2012, , .		18

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91	Distributed Linear Programming with Event-Triggered Communication. SIAM Journal on Control and Optimization, 2016, 54, 1769-1797.	1.1	18
92	Boolean Composability of Constraints and Control Synthesis for Multi-Robot Systems via Nonsmooth Control Barrier Functions. , 2018, , .		18
93	Frequency Regulation With Heterogeneous Energy Resources: A Realization Using Distributed Control. IEEE Transactions on Smart Grid, 2021, 12, 4126-4136.	6.2	18
94	General symmetries in optimal control. Reports on Mathematical Physics, 2004, 53, 55-78.	0.4	17
95	Analysis and design of distributed algorithms for X-consensus. , 2006, , .		17
96	Time-invariant versus time-varying actuator scheduling in complex networks. , 2017, , .		17
97	Hierarchical reinforcement learning via dynamic subspace search for multi-agent planning. Autonomous Robots, 2020, 44, 485-503.	3.2	17
98	Data-Driven Ambiguity Sets With Probabilistic Guarantees for Dynamic Processes. IEEE Transactions on Automatic Control, 2021, 66, 2991-3006.	3.6	17
99	Learning Barrier Functions With Memory for Robust Safe Navigation. IEEE Robotics and Automation Letters, 2021, 6, 4931-4938.	3.3	17
100	Maximizing Visibility in Nonconvex Polygons: Nonsmooth Analysis and Gradient Algorithm Design. SIAM Journal on Control and Optimization, 2006, 45, 1657-1679.	1.1	16
101	Global formation-shape stabilization of relative sensing networks. , 2009, , .		16
102	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
103	On nonlinear controllability and series expansions for Lagrangian systems with dissipative forces. IEEE Transactions on Automatic Control, 2002, 47, 1396-1401.	3.6	15
104	Nonsmooth Coordination and Geometric Optimization via Distributed Dynamical Systems. SIAM Review, 2009, 51, 163-189.	4.2	15
105	Self-triggered coordination of robotic networks for optimal deployment. , 2011, , .		15
106	Event-Triggered Second-Moment Stabilization of Linear Systems Under Packet Drops. IEEE Transactions on Automatic Control, 2018, 63, 2374-2388.	3.6	15
107	Iterative Bidding in Electricity Markets: Rationality and Robustness. IEEE Transactions on Network Science and Engineering, 2020, 7, 1265-1281.	4.1	15
108	Universal Formula for Smooth Safe Stabilization. , 2019, , .		14

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109	Distributed Tree Rearrangements for Reachability and Robust Connectivity. SIAM Journal on Control and Optimization, 2012, 50, 2588-2620.	1.1	13
110	Dynamic average consensus with distributed event-triggered communication. , 2014, , .		13
111	Periodic and event-triggered communication for distributed continuous-time convex optimization. , 2014, , .		13
112	Decentralized Nash equilibrium learning by strategic generators for economic dispatch. , 2016, , .		13
113	Statistical Properties and Robustness of Biological Controller-Target Networks. PLoS ONE, 2012, 7, e29374.	1.1	13
114	Distributed gradient ascent of random fields by robotic sensor networks. , 2007, , .		12
115	A cooperative deployment strategy for optimal sampling in spatiotemporal estimation. , 2008, , .		12
116	Cooperative adaptive sampling via approximate entropy maximization. , 2009, , .		12
117	Cooperative adaptive sampling of random fields with partially known covariance. International Journal of Robust and Nonlinear Control, 2012, 22, 504-534.	2.1	12
118	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
119	Data-Driven Optimal Control of Bilinear Systems. , 2022, 6, 2479-2484.		12
120	ON ROBUST RENDEZVOUS FOR MOBILE AUTONOMOUS AGENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 115-120.	0.4	11
121	Exploring Landmark Placement Strategies for Self-Localization in Wireless Sensor Networks. , 2007, , .		11
122	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
123	Heterogeneity of central nodes explains the benefits of time-varying control scheduling in complex dynamical networks. Journal of Complex Networks, 2019, , .	1.1	11
124	Deployment of an unreliable robotic sensor network for spatial estimation. Systems and Control Letters, 2012, 61, 41-49.	1.3	10
125	Coordinated rendezvous of underwater drifters in ocean internal waves. , 2014, , .		10
126	Distributed subgradient methods for saddle-point problems. , 2015, , .		10

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127	The value of timing information in event-triggered control: The scalar case. , 2016, , .		10
128	Oscillations and Coupling in Interconnections of Two-Dimensional Brain Networks. , 2019, , .		10
129	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
130	Notes on averaging over acyclic digraphs and discrete coverage control. , 2006, , .		9
131	Distributed convergence to Nash equilibria by adversarial networks with undirected topologies. , 2012, , .		9
132	Collective Estimation of Ocean Nonlinear Internal Waves Using Robotic Underwater Drifters. IEEE Access, 2013, 1, 418-427.	2.6	9
133	Robust, Distributed Estimation of Internal Wave Parameters via Inter-Drogue Measurements. IEEE Transactions on Control Systems Technology, 2014, 22, 980-994.	3.2	9
134	Asymptotic stability of saddle points under the saddle-point dynamics. , 2015, , .		9
135	Distributed algorithms for convex network optimization under non-sparse equality constraints. , 2016, , .		9
136	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
137	Aerial Slung-Load Position Tracking Under Unknown Wind Forces. IEEE Transactions on Automatic Control, 2021, 66, 3952-3968.	3.6	9
138	Hamiltonian theory of constrained impulsive motion. Journal of Mathematical Physics, 2006, 47, 042905.	0.5	8
139	Safe graph rearrangements for distributed connectivity of robotic networks. , 2007, , .		8
140	Exploring Landmark Placement Strategies for Topology-Based Localization in Wireless Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.0	8
141	Distributed motion constraints for algebraic connectivity of robotic networks. , 2008, , .		8
142	Distributed, anytime optimization in power-generator networks for economic dispatch. , 2014, , .		8
143	Distributed coordination for economic dispatch with varying load and generator commitment. , 2014, , .		8
144	Network Identification With Latent Nodes via Autoregressive Models. IEEE Transactions on Control of Network Systems, 2018, 5, 722-736.	2.4	8

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145	Distributed transient frequency control for power networks with stability and performance guarantees. Automatica, 2019, 105, 274-285.	3.0	8
146	Model predictive control for transient frequency regulation of power networks. Automatica, 2021, 123, 109335.	3.0	8
147	Learning Koopman Eigenfunctions and Invariant Subspaces From Data: Symmetric Subspace Decomposition. IEEE Transactions on Automatic Control, 2022, 67, 3442-3457.	3.6	8
148	A Nonsmooth Approach to Controller Synthesis for Boolean Specifications. IEEE Transactions on Automatic Control, 2021, 66, 5160-5174.	3.6	8
149	Area-constrained coverage optimization by robotic sensor networks. , 2008, , .		7
150	Team-triggered coordination of networked systems. , 2013, , .		7
151	Stealthy Deception in Hypergames Under Informational Asymmetry. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 785-795.	5.9	7
152	Distributed coordination for separable convex optimization with coupling constraints. , 2015, , .		7
153	Exponentially fast distributed coordination for nonsmooth convex optimization. , 2016, , .		7
154	Event- Triggered Control Design with Performance Barrier. , 2018, , .		7
155	Co-Optimization of Control and Actuator Selection for Cyber-Physical Systems. IFAC-PapersOnLine, 2018, 51, 118-123.	0.5	7
156	Efficient Identification of Linear Evolutions in Nonlinear Vector Fields: Koopman Invariant Subspaces. , 2019, , .		7
157	Approximating the Koopman Operator using Noisy Data: Noise-Resilient Extended Dynamic Mode Decomposition. , 2019, , .		7
158	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
159	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
160	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
161	Distributed Tree Rearrangements for Reachability and Robust Connectivity. Lecture Notes in Computer Science, 2009, , 470-474.	1.0	7
162	Evolution of the perception about the opponent in hypergames. , 2010, , .		6

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163	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
164	Distributed Bargaining in Dyadic-Exchange Networks. IEEE Transactions on Control of Network Systems, 2016, 3, 310-321.	2.4	6
165	Distributed coordination of power generators for a linearized optimal power flow problem. , 2017, , .		6
166	Distributed Algorithm via Continuously Differentiable Exact Penalty Method for Network Optimization. , 2018, , .		6
167	Event-triggered stabilization of disturbed linear systems over digital channels. , 2018, , .		6
168	Event-triggered control under time-varying rates and channel blackouts. IFAC Journal of Systems and Control, 2019, 9, 100064.	1.1	6
169	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
170	Safe Control Synthesis With Uncertain Dynamics and Constraints. IEEE Robotics and Automation Letters, 2022, 7, 7295-7302.	3.3	6
171	Asymptotic optimality of multicenter Voronoi configurations for random field estimation. , 2007, , .		5
172	Education - A High School-Level Course in Feedback Control - A Matlab-Based Introduction Requiring Only Algebra and Trigonometry. IEEE Control Systems, 2007, 27, 79-89.	1.0	5
173	Distributed sampling of random fields with unknown covariance. , 2009, , .		5
174	Distributed convergence to Nash equilibria by adversarial networks with directed topologies. , 2012, , .		5
175	Stability of stochastic differential equations with additive persistent noise. , 2013, , .		5
176	Team-triggered coordination of robotic networks for optimal deployment. , 2015, , .		5
177	Reachability metrics for bilinear complex networks. , 2015, , .		5
178	Decentralized Nash equilibrium seeking by strategic generators for DC optimal power flow. , 2017, , .		5
179	Data-driven distributed optimization using Wasserstein ambiguity sets. , 2017, , .		5
180	Receding-Horizon Multi-Objective Optimization for Disaster Response. , 2018, , .		5

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181	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
182	Frequency-driven market mechanisms for optimal dispatch in power networks. Automatica, 2021, 133, 109861.	3.0	5
183	Enabling DER Participation in Frequency Regulation Markets. IEEE Transactions on Control Systems Technology, 2022, 30, 2391-2405.	3.2	5
184	Self-Triggered Optimal Servicing in Dynamic Environments With Acyclic Structure. IEEE Transactions on Automatic Control, 2013, 58, 1236-1249.	3.6	4
185	Noise-to-state exponentially stable distributed convex optimization on weight-balanced digraphs. , 2013, , .		4
186	Event-triggered control for nonlinear systems with time-varying input delay. , 2016, , .		4
187	Event-triggered stabilization of scalar linear systems under packet drops. , 2016, , .		4
188	Robust coordinated rendezvous of depth-actuated drifters in ocean internal waves. Automatica, 2016, 69, 265-274.	3.0	4
189	A scheduled-asynchronous distributed optimization algorithm for the optimal power flow problem. , 2017, , .		4
190	Participation of Microgrids in Frequency Regulation Markets. , 2018, , .		4
191	Stability Analysis of Complex Networks with Linear-Threshold Rate Dynamics. , 2018, , .		4
192	Fast Identification of Koopman-Invariant Subspaces: Parallel Symmetric Subspace Decomposition. , 2020, , .		4
193	Linear-Threshold Dynamics for the Study of Epileptic Events. , 2021, 5, 1405-1410.		4
194	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
195	Cooperative adaptive sampling of random fields with partially known covariance. International Journal of Robust and Nonlinear Control, 2012, 22, 504-534.	2.1	4
196	Network Connectivity Maintenance via Nonsmooth Control Barrier Functions. , 2021, , .		4
197	Cosymplectic reduction of constrained systems with symmetry. Reports on Mathematical Physics, 2002, 49, 167-182.	0.4	3
198	The consistency problem in optimal control: The degenerate case. Reports on Mathematical Physics, 2003, 51, 171-186.	0.4	3

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199	Computational Geometry in Navigation and Path Planning [From The Guest Editors]. IEEE Robotics and Automation Magazine, 2008, 15, 6-7.	2.2	3
200	Learning of equilibria and misperceptions in hypergames with perfect observations. , 2011, , .		3
201	Optimal leader allocation in UAV formation pairs under no-cost switching. , 2012, , .		3
202	Hedonic coalition formation for optimal deployment. Automatica, 2013, 49, 3234-3245.	3.0	3
203	Distributed line search via dynamic convex combinations. , 2013, , .		3
204	Distributed map merging with consensus on common information. , 2013, , .		3
205	The effect of delayed side information on fundamental limitations of disturbance attenuation. , 2015, , .		3
206	Distributed dynamic economic dispatch of power generators with storage. , 2015, , .		3
207	Quantifying the robustness of power networks against initial failure. , 2016, , .		3
208	Dynamic domain reduction for multi-agent planning. , 2017, , .		3
209	Grid-connected microgrid participation in frequency-regulation markets via hierarchical coordination. , 2017, , .		3
210	Convex relaxation for mixed-integer optimal power flow problems. , 2017, , .		3
211	Integrating Iterative Bidding in Electricity Markets and Frequency Regulation. , 2018, , .		3
212	Characterizing Tolerable Disturbances for Transient-State Safety in Power Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 210-224.	4.1	3
213	Network Modification using a Novel Gramian-based Edge Centrality. , 2019, , .		3
214	Dynamic Evolution of Distributional Ambiguity Sets and Precision Tradeoffs in Data Assimilation. , 2019, , .		3
215	Exploiting Bias for Cooperative Planning in Multi-Agent Tree Search. IEEE Robotics and Automation Letters, 2020, 5, 1819-1826.	3.3	3
216	Nesterov Acceleration for Equality-Constrained Convex Optimization via Continuously Differentiable Penalty Functions. , 2020, , 1-1.		3

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217	Data-Driven Approximation of Koopman-Invariant Subspaces with Tunable Accuracy. , 2021, , .		3
218	Average Dwell-Time Minimization of Switched Systems via Sequential Convex Programming. , 2022, 6, 1076-1081.		3
219	Robust Team-Triggered Coordination of Networked Cyberphysical Systems. Lecture Notes in Control and Information Sciences, 2013, , 317-336.	0.6	3
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