

# Francesco Bullo

## List of Publications by Year in descending order

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265  
papers

20,814  
citations

28242

55  
h-index

12585

132  
g-index

268  
all docs

268  
docs citations

268  
times ranked

10201  
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	Attack Detection and Identification in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2013, 58, 2715-2729.	3.6	1,579
3	Distributed Control of Robotic Networks. , 2009, , .		1,134
4	Synchronization in complex networks of phase oscillators: A survey. Automatica, 2014, 50, 1539-1564.	3.0	815
5	Secondary Frequency and Voltage Control of Islanded Microgrids via Distributed Averaging. IEEE Transactions on Industrial Electronics, 2015, 62, 7025-7038.	5.2	760
6	Synchronization and power sharing for droop-controlled inverters in islanded microgrids. Automatica, 2013, 49, 2603-2611.	3.0	706
7	Synchronization in complex oscillator networks and smart grids. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2005-2010.	3.3	694
8	Robust Rendezvous for Mobile Autonomous Agents via Proximity Graphs in Arbitrary Dimensions. IEEE Transactions on Automatic Control, 2006, 51, 1289-1298.	3.6	562
9	Kron Reduction of Graphs With Applications to Electrical Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 150-163.	3.5	533
10	Optimal sensor placement and motion coordination for target tracking. Automatica, 2006, 42, 661-668.	3.0	503
11	Synchronization and Transient Stability in Power Networks and Nonuniform Kuramoto Oscillators. SIAM Journal on Control and Optimization, 2012, 50, 1616-1642.	1.1	482
12	Controllability Metrics, Limitations and Algorithms for Complex Networks. IEEE Transactions on Control of Network Systems, 2014, 1, 40-52.	2.4	452
13	Motion Coordination with Distributed Information. IEEE Control Systems, 2007, 27, 75-88.	1.0	414
14	Geometric Control of Mechanical Systems. Texts in Applied Mathematics, 2005, , .	0.4	371
15	Coordination and Geometric Optimization via Distributed Dynamical Systems. SIAM Journal on Control and Optimization, 2005, 44, 1543-1574.	1.1	367
16	Breaking the Hierarchy: Distributed Control and Economic Optimality in Microgrids. IEEE Transactions on Control of Network Systems, 2016, 3, 241-253.	2.4	344
17	Spatially-distributed coverage optimization and control with limited-range interactions. ESAIM - Control, Optimisation and Calculus of Variations, 2005, 11, 691-719.	0.7	337
18	Control-Theoretic Methods for Cyberphysical Security: Geometric Principles for Optimal Cross-Layer Resilient Control Systems. IEEE Control Systems, 2015, 35, 110-127.	1.0	286

#	ARTICLE	IF	CITATIONS
19	On the Critical Coupling for Kuramoto Oscillators. SIAM Journal on Applied Dynamical Systems, 2011, 10, 1070-1099.	0.7	255
20	Controlled symmetries and passive walking. IEEE Transactions on Automatic Control, 2005, 50, 1025-1031.	3.6	247
21	Tracking for fully actuated mechanical systems: a geometric framework. Automatica, 1999, 35, 17-34.	3.0	223
22	Opinion Dynamics and the Evolution of Social Power in Influence Networks. SIAM Review, 2015, 57, 367-397.	4.2	210
23	Cyber-physical attacks in power networks: Models, fundamental limitations and monitor design. , 2011, , .		193
24	Traveling Salesperson Problems for the Dubins Vehicle. IEEE Transactions on Automatic Control, 2008, 53, 1378-1391.	3.6	186
25	Sparsity-Promoting Optimal Wide-Area Control of Power Networks. IEEE Transactions on Power Systems, 2014, 29, 2281-2291.	4.6	179
26	Monitoring Environmental Boundaries With a Robotic Sensor Network. IEEE Transactions on Control Systems Technology, 2008, 16, 288-296.	3.2	174
27	Controllability and motion algorithms for underactuated Lagrangian systems on Lie groups. IEEE Transactions on Automatic Control, 2000, 45, 1437-1454.	3.6	172
28	A cooperative Homicidal Chauffeur game. Automatica, 2009, 45, 1771-1777.	3.0	172
29	Quantized average consensus via dynamic coding/decoding schemes. International Journal of Robust and Nonlinear Control, 2010, 20, 156-175.	2.1	166
30	Kinematic controllability for decoupled trajectory planning in underactuated mechanical systems. IEEE Transactions on Automation Science and Engineering, 2001, 17, 402-412.	2.4	154
31	Averaging and Vibrational Control of Mechanical Systems. SIAM Journal on Control and Optimization, 2002, 41, 542-562.	1.1	145
32	On Cooperative Patrolling: Optimal Trajectories, Complexity Analysis, and Approximation Algorithms. IEEE Transactions on Robotics, 2012, 28, 592-606.	7.3	142
33	Voltage Stabilization in Microgrids via Quadratic Droop Control. IEEE Transactions on Automatic Control, 2017, 62, 1239-1253.	3.6	142
34	On Kalman Filtering for Detectable Systems With Intermittent Observations. IEEE Transactions on Automatic Control, 2009, 54, 386-390.	3.6	140
35	Electrical Networks and Algebraic Graph Theory: Models, Properties, and Applications. Proceedings of the IEEE, 2018, 106, 977-1005.	16.4	134
36	Voltage collapse in complex power grids. Nature Communications, 2016, 7, 10790.	5.8	130

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37	Discrete Partitioning and Coverage Control for Gossiping Robots. IEEE Transactions on Robotics, 2012, 28, 364-378.	7.3	125
38	On the dynamics of deterministic epidemic propagation over networks. Annual Reviews in Control, 2017, 44, 116-128.	4.4	120
39	Opinion Dynamics in Heterogeneous Networks: Convergence Conjectures and Theorems. SIAM Journal on Control and Optimization, 2012, 50, 2763-2785.	1.1	109
40	Synchronization and transient stability in power networks and non-uniform Kuramoto oscillators. , 2010, , .		92
41	On Synchronous Robotic Networksâ€™ Part I: Models, Tasks, and Complexity. IEEE Transactions on Automatic Control, 2007, 52, 2199-2213.	3.6	91
42	Distributed estimation via iterative projections with application to power network monitoring. Automatica, 2012, 48, 747-758.	3.0	89
43	Polar Opinion Dynamics in Social Networks. IEEE Transactions on Automatic Control, 2017, 62, 5650-5665.	3.6	89
44	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
45	Cooperative Patrolling via Weighted Tours: Performance Analysis and Distributed Algorithms. IEEE Transactions on Robotics, 2012, 28, 1181-1188.	7.3	87
46	Distributed Algorithms for Environment Partitioning in Mobile Robotic Networks. IEEE Transactions on Automatic Control, 2011, 56, 1834-1848.	3.6	86
47	Adaptive and Distributed Algorithms for Vehicle Routing in a Stochastic and Dynamic Environment. IEEE Transactions on Automatic Control, 2011, 56, 1259-1274.	3.6	84
48	Quantized Control via Locational Optimization. IEEE Transactions on Automatic Control, 2006, 51, 2-13.	3.6	83
49	On Discrete-Time Pursuit-Evasion Games With Sensing Limitations. IEEE Transactions on Robotics, 2008, 24, 1429-1439.	7.3	82
50	A distributed simplex algorithm for degenerate linear programs and multi-agent assignments. Automatica, 2012, 48, 2298-2304.	3.0	77
51	Multirobot Rendezvous With Visibility Sensors in Nonconvex Environments. IEEE Transactions on Robotics, 2009, 25, 340-352.	7.3	75
52	Quantized Coordination Algorithms for Rendezvous and Deployment. SIAM Journal on Control and Optimization, 2009, 48, 1251-1274.	1.1	75
53	Distributed intrusion detection for secure consensus computations. , 2007, , .		74
54	On frame and orientation localization for relative sensing networks. Automatica, 2013, 49, 206-213.	3.0	69

#	ARTICLE	IF	CITATIONS
55	Gossip Coverage Control for Robotic Networks: Dynamical Systems on the Space of Partitions. SIAM Journal on Control and Optimization, 2012, 50, 419-447.	1.1	67
56	Distributed Abstract Optimization via Constraints Consensus: Theory and Applications. IEEE Transactions on Automatic Control, 2011, 56, 2247-2261.	3.6	66
57	On Resistive Networks of Constant-Power Devices. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 811-815.	2.2	62
58	Distributed pursuit-evasion without mapping or global localization via local frontiers. Autonomous Robots, 2012, 32, 81-95.	3.2	61
59	Kinematic controllability and motion planning for the snakeboard. IEEE Transactions on Automation Science and Engineering, 2003, 19, 494-498.	2.4	58
60	Monotonic Target Assignment for Robotic Networks. IEEE Transactions on Automatic Control, 2009, 54, 2042-2057.	3.6	58
61	A graph-theoretical characterization of power network vulnerabilities. , 2011, , .		58
62	Smooth Nearness-Diagram Navigation. , 2008, , .		54
63	How truth wins in opinion dynamics along issue sequences. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11380-11385.	3.3	54
64	Contraction theory on Riemannian manifolds. Systems and Control Letters, 2014, 65, 74-80.	1.3	52
65	Cyber-physical security via geometric control: Distributed monitoring and malicious attacks. , 2012, , .		50
66	Droop-Controlled Inverters are Kuramoto Oscillators*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 264-269.	0.4	49
67	Exploring synchronization in complex oscillator networks. , 2012, , .		48
68	Stability, power sharing, & distributed secondary control in droop-controlled microgrids. , 2013, , .		47
69	Consensus networks over finite fields. Automatica, 2014, 50, 349-358.	3.0	46
70	Dynamic Vehicle Routing with Priority Classes of Stochastic Demands. SIAM Journal on Control and Optimization, 2010, 48, 3224-3245.	1.1	45
71	A Theory of the Evolution of Social Power: Natural Trajectories of Interpersonal Influence Systems along Issue Sequences. Sociological Science, 0, 3, 444-472.	2.0	45
72	Maintaining Limited-Range Connectivity Among Second-Order Agents. SIAM Journal on Control and Optimization, 2009, 48, 187-205.	1.1	44

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73	On mechanical control systems with nonholonomic constraints and symmetries. <i>Systems and Control Letters</i> , 2002, 45, 133-143.	1.3	42
74	On Coordinate-Free Rotation Decomposition: Euler Angles About Arbitrary Axes. <i>IEEE Transactions on Robotics</i> , 2012, 28, 728-733.	7.3	42
75	Stabilization of relative equilibria for underactuated systems on Riemannian manifolds. <i>Automatica</i> , 2000, 36, 1819-1834.	3.0	41
76	Notes on averaging over acyclic digraphs and discrete coverage control. <i>Automatica</i> , 2008, 44, 2120-2127.	3.0	41
77	A distributed method for state estimation and false data detection in power networks. , 2011, , .		41
78	Continuous-Time Distributed Observers With Discrete Communication. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013, 7, 296-304.	7.3	41
79	Distributed Monitoring of Voltage Collapse Sensitivity Indices. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 1979-1988.	6.2	41
80	Voltage stabilization in microgrids via quadratic droop control. , 2013, , .		40
81	Gossip algorithms for heterogeneous multi-vehicle routing problems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2013, 10, 156-174.	2.1	39
82	Reduced-order Aggregate Model for Parallel-connected Single-phase Inverters. <i>IEEE Transactions on Energy Conversion</i> , 2019, 34, 824-837.	3.7	39
83	Analysis and design of oscillatory control systems. <i>IEEE Transactions on Automatic Control</i> , 2003, 48, 1164-1177.	3.6	38
84	Novel results on slow coherency in consensus and power networks. , 2013, , .		36
85	Opinion Dynamics and Social Power Evolution over Reducible Influence Networks. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 1280-1301.	1.1	35
86	Novel insights into lossless AC and DC power flow. , 2013, , .		34
87	Connecting individual to collective cell migration. <i>Scientific Reports</i> , 2017, 7, 9720.	1.6	34
88	Series Expansions for the Evolution of Mechanical Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2001, 40, 166-190.	1.1	33
89	A ladybug exploration strategy for distributed adaptive coverage control. , 2008, , .		33
90	Low-Order Controllability and Kinematic Reductions for Affine Connection Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2005, 44, 885-908.	1.1	32

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91	On optimal cooperative patrolling. , 2010, , .		32
92	Reduced-order structure-preserving model for parallel-connected three-phase grid-tied inverters. , 2017, , .		32
93	Visibility-based multi-agent deployment in orthogonal environments. Proceedings of the American Control Conference, 2007, , .	0.0	31
94	Equitable partitioning policies for robotic networks. , 2009, , .		31
95	Robotic Surveillance and Markov Chains With Minimal Weighted Kemeny Constant. IEEE Transactions on Automatic Control, 2015, 60, 3156-3167.	3.6	31
96	Robotic reactions: Delay-induced patterns in autonomous vehicle systems. Physical Review E, 2010, 81, 025204.	0.8	30
97	On the reflected appraisals dynamics of influence networks with stubborn agents. , 2014, , .		30
98	Visibility maintenance via controlled invariance for leaderâ€“follower vehicle formations. Automatica, 2011, 47, 1060-1067.	3.0	29
99	Eulerian Opinion Dynamics with Bounded Confidence and Exogenous Inputs. SIAM Journal on Applied Dynamical Systems, 2014, 13, 425-446.	0.7	29
100	Modeling and controllability for a class of hybrid mechanical systems. IEEE Transactions on Automation Science and Engineering, 2002, 18, 563-573.	2.4	28
101	On the security of linear consensus networks. , 2009, , .		28
102	Stochastic and Dynamic Routing Problems for Multiple Uninhabited Aerial Vehicles. Journal of Guidance, Control, and Dynamics, 2009, 32, 1152-1166.	1.6	28
103	Dynamic Vehicle Routing for Translating Demands: Stability Analysis and Receding-Horizon Policies. IEEE Transactions on Automatic Control, 2010, 55, 2554-2569.	3.6	28
104	Further results on distributed secondary control in microgrids. , 2013, , .		28
105	The coverage problem for loitering Dubins vehicles. , 2007, , .		27
106	Randomized Sensor Selection in Sequential Hypothesis Testing. IEEE Transactions on Signal Processing, 2011, 59, 2342-2354.	3.2	27
107	Plug-and-play control and optimization in microgrids. , 2014, , .		27
108	Controllability metrics, limitations and algorithms for complex networks. , 2014, , .		27

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109	Target assignment for robotic networks: Asymptotic performance under limited communication. Proceedings of the American Control Conference, 2007, , .	0.0	26
110	A divide-and-conquer approach to distributed attack identification. , 2015, , .		26
111	Topological equivalence of a structure-preserving power network model and a non-uniform Kuramoto model of coupled oscillators. , 2011, , .		25
112	Dynamic Aggregation of Grid-Tied Three-Phase Inverters. IEEE Transactions on Power Systems, 2020, 35, 1520-1530.	4.6	25
113	Convergence properties of the heterogeneous Deffuantâ€™Weisbuch model. Automatica, 2020, 114, 108825.	3.0	25
114	Distributed policies for equitable partitioning: Theory and applications. , 2008, , .		24
115	Synchronization of Power Networks: Network Reduction and Effective Resistance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 197-202.	0.4	24
116	Distributed pursuit-evasion with limited-visibility sensors via frontier-based exploration. , 2010, , .		24
117	Camera Network Coordination for Intruder Detection. IEEE Transactions on Control Systems Technology, 2014, 22, 1669-1683.	3.2	24
118	The Hitting Time of Multiple Random Walks. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 933-954.	0.7	24
119	Online Distributed Voltage Stress Minimization by Optimal Feedback Reactive Power Control. IEEE Transactions on Control of Network Systems, 2018, 5, 1467-1478.	2.4	24
120	Convergence analysis of the sign algorithm for adaptive filtering. IEEE Transactions on Information Theory, 1995, 41, 489-495.	1.5	22
121	Knapsack problems with sigmoid utilities: Approximation algorithms via hybrid optimization. European Journal of Operational Research, 2014, 236, 488-498.	3.5	22
122	The Coevolution of Appraisal and Influence Networks Leads to Structural Balance. IEEE Transactions on Network Science and Engineering, 2016, 3, 286-298.	4.1	22
123	Stochastic surveillance strategies for spatial quickest detection. International Journal of Robotics Research, 2013, 32, 1438-1458.	5.8	21
124	On Dynamic Vehicle Routing With Time Constraints. IEEE Transactions on Robotics, 2014, 30, 1524-1532.	7.3	21
125	Structural balance emerges and explains performance in risky decision-making. Nature Communications, 2019, 10, 2648.	5.8	21
126	Synchronization of Kuramoto Oscillators via Cutset Projections. IEEE Transactions on Automatic Control, 2019, 64, 2830-2844.	3.6	21



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127	Multi-agent deployment for visibility coverage in polygonal environments with holes. <i>International Journal of Robust and Nonlinear Control</i> , 2011, 21, 1467-1492.	2.1	20
128	On reactive power flow and voltage stability in microgrids. , 2014, , .		20
129	Markov Chains With Maximum Entropy for Robotic Surveillance. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1566-1580.	3.6	20
130	Decentralized algorithms for stochastic and dynamic vehicle routing with general demand distribution. , 2007, , .		18
131	Mathematical Structures in Group Decision-Making on Resource Allocation Distributions. <i>Scientific Reports</i> , 2019, 9, 1377.	1.6	18
132	Series expansions for analytic systems linear in control. <i>Automatica</i> , 2002, 38, 1425-1432.	3.0	17
133	On Bifurcations in Nonlinear Consensus Networks. <i>Journal of Nonlinear Science</i> , 2011, 21, 875-895.	1.0	17
134	Distributed detection of cyber-physical attacks in power networks: A waveform relaxation approach. , 2011, , .		17
135	Matching-based capture strategies for 3D heterogeneous multiplayer reach-avoid differential games. <i>Automatica</i> , 2022, 140, 110207.	3.0	17
136	Maximizing Visibility in Nonconvex Polygons: Nonsmooth Analysis and Gradient Algorithm Design. <i>SIAM Journal on Control and Optimization</i> , 2006, 45, 1657-1679.	1.1	16
137	Cooperative pursuit with sensing limitations. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	16
138	Vision-based cooperative estimation via multi-agent optimization. , 2010, , .		16
139	Dynamic social balance and convergent appraisals via homophily and influence mechanisms. <i>Automatica</i> , 2019, 110, 108580.	3.0	16
140	Social Power Evolution in Influence Networks With Stubborn Individuals. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 574-588.	3.6	16
141	On nonlinear controllability and series expansions for Lagrangian systems with dissipative forces. <i>IEEE Transactions on Automatic Control</i> , 2002, 47, 1396-1401.	3.6	15
142	Nonsmooth Coordination and Geometric Optimization via Distributed Dynamical Systems. <i>SIAM Review</i> , 2009, 51, 163-189.	4.2	15
143	On vehicle placement to intercept moving targets. <i>Automatica</i> , 2011, 47, 2067-2074.	3.0	15
144	Competitive Propagation: Models, Asymptotic Behavior and Quality-Seeding Games. <i>IEEE Transactions on Network Science and Engineering</i> , 2017, 4, 83-99.	4.1	15

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145	Social Power Dynamics over Switching and Stochastic Influence Networks. IEEE Transactions on Automatic Control, 2018, , 1-1.	3.6	15
146	Weak and Semi-Contraction for Network Systems and Diffusively Coupled Oscillators. IEEE Transactions on Automatic Control, 2022, 67, 1285-1300.	3.6	15
147	Motion Planning and Control Problems for Underactuated Robots. , 2003, , 59-74.		14
148	A dynamic boundary guarding problem with translating targets. , 2009, , .		14
149	Task release control for decision making queues. , 2011, , .		14
150	Centroidal Area-Constrained Partitioning for Robotic Networks. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	14
151	Attention allocation for decision making queues. Automatica, 2014, 50, 378-388.	3.0	14
152	Dynamic Models of Appraisal Networks Explaining Collective Learning. IEEE Transactions on Automatic Control, 2018, 63, 2898-2912.	3.6	14
153	Markov Chains With Maximum Return Time Entropy for Robotic Surveillance. IEEE Transactions on Automatic Control, 2020, 65, 72-86.	3.6	14
154	Polarization and Fluctuations in Signed Social Networks. IEEE Transactions on Automatic Control, 2021, 66, 3789-3793.	3.6	14
155	Distributed coverage of nonconvex environments. , 2008, , 289-305.		14
156	Multigroup SIS Epidemics With Simplicial and Higher Order Interactions. IEEE Transactions on Control of Network Systems, 2022, 9, 695-705.	2.4	14
157	Non-Euclidean Contraction Theory for Robust Nonlinear Stability. IEEE Transactions on Automatic Control, 2022, 67, 6667-6681.	3.6	14
158	Distributed consensus on enclosing shapes and minimum time rendezvous. , 2006, , .		13
159	A cooperative homicidal chauffeur game. , 2007, , .		13
160	Traveling Salesperson Problems for a Double Integrator. IEEE Transactions on Automatic Control, 2009, 54, 788-793.	3.6	13
161	Identifying cyber attacks via local model information. , 2010, , .		13
162	Network-cognizant model reduction of grid-tied three-phase inverters. , 2017, , .		13

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163	Synchronization of beads on a ring. , 2007, , .		12
164	Reduction, Linearization, and Stability of Relative Equilibria for Mechanical Systems on Riemannian Manifolds. Acta Applicandae Mathematicae, 2007, 99, 53-95.	0.5	12
165	The dynamic team forming problem: Throughput and delay for unbiased policies. Systems and Control Letters, 2009, 58, 709-715.	1.3	12
166	Vehicle Motion Planning with Time-Varying Constraints. Journal of Guidance, Control, and Dynamics, 2004, 27, 506-509.	1.6	11
167	Trajectory Design for Mechanical Control Systems: from Geometry to Algorithms. European Journal of Control, 2004, 10, 397-410.	1.6	11
168	ON ROBUST RENDEZVOUS FOR MOBILE AUTONOMOUS AGENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 115-120.	0.4	11
169	Sensing limitations in the Lion and Man problem. Proceedings of the American Control Conference, 2007, , .	0.0	11
170	Adaptive sensor selection in sequential hypothesis testing. , 2011, , .		11
171	Dynamic Partitioning and Coverage Control With Asynchronous One-to-Base-Station Communication. IEEE Transactions on Control of Network Systems, 2016, 3, 24-33.	2.4	11
172	Signed Network Formation Games and Clustering Balance. Dynamic Games and Applications, 2020, 10, 783-797.	1.1	11
173	Network abstract linear programming with application to minimum-time formation control. , 2007, , .		10
174	Dynamic vehicle routing with heterogeneous demands. , 2008, , .		10
175	Quantized average consensus via dynamic coding/decoding schemes. , 2008, , .		10
176	Multiagent coverage algorithms with gossip communication: Control systems on the space of partitions. , 2009, , .		10
177	A distributed simplex algorithm and the multi-agent assignment problem. , 2011, , .		10
178	Modeling and analysis of competitive propagation with social conversion. , 2014, , .		10
179	Robotic surveillance and Markov chains with minimal first passage time. , 2014, , .		10
180	Linear Stochastic Approximation Algorithms and Group Consensus Over Random Signed Networks. IEEE Transactions on Automatic Control, 2019, 64, 1874-1889.	3.6	10

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181	Opinion Dynamics and Social Power Evolution: A Single-Time Scale Model. IEEE Transactions on Control of Network Systems, 2020, 7, 899-911.	2.4	10
182	Singular Perturbation and Small-Signal Stability for Inverter Networks. IEEE Transactions on Control of Network Systems, 2022, 9, 979-992.	2.4	10
183	Notes on averaging over acyclic digraphs and discrete coverage control. , 2006, , .		9
184	A COMPLETE ALGORITHM FOR SEARCHLIGHT SCHEDULING. International Journal of Computational Geometry and Applications, 2011, 21, 101-130.	0.3	9
185	Distributed multi-camera synchronization for smart-intruder detection. , 2012, , .		9
186	Synchronization assessment in power networks and coupled oscillators. , 2012, , .		9
187	Accuracy and Decision Time for Sequential Decision Aggregation. Proceedings of the IEEE, 2012, 100, 687-712.	16.4	9
188	Gradient algorithms for polygonal approximation of convex contours. Automatica, 2009, 45, 510-516.	3.0	8
189	Delayed Car-Following Dynamics for Human and Robotic Drivers. , 2011, , .		8
190	Vehicle Routing Algorithms for Radially Escaping Targets. SIAM Journal on Control and Optimization, 2015, 53, 2934-2954.	1.1	8
191	Structural Balance via Gradient Flows Over Signed Graphs. IEEE Transactions on Automatic Control, 2021, 66, 3169-3183.	3.6	8
192	Discrete Partitioning and Coverage Control With Gossip Communication. , 2009, , .		8
193	On the critical coupling strength for Kuramoto oscillators. , 2011, , .		7
194	Vehicle routing algorithms to intercept escaping targets. , 2014, , .		7
195	Robust Scheduling and Routing for Collaborative Human/Unmanned Aerial Vehicle Surveillance Missions. Journal of Aerospace Information Systems, 2018, 15, 585-603.	1.0	7
196	A Contraction Analysis of Primal-Dual Dynamics in Distributed and Time-Varying Implementations. IEEE Transactions on Automatic Control, 2022, 67, 3560-3566.	3.6	7
197	Markov Chain-Based Stochastic Strategies for Robotic Surveillance. Annual Review of Control, Robotics, and Autonomous Systems, 2021, 4, 243-264.	7.5	7
198	Constructive controllability algorithms for motion planning and optimization. IEEE Transactions on Automatic Control, 2003, 48, 575-589.	3.6	6

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199	On nonlinear controllability of homogeneous systems linear in control. IEEE Transactions on Automatic Control, 2003, 48, 139-143.	3.6	6
200	Target assignment for robotic networks: Worst-case and stochastic performance in dense environments. , 2007, , .		6
201	Dynamic models of appraisal networks explaining collective learning. , 2016, , .		6
202	A pursuit game with range-only measurements. , 2008, , .		5
203	Dynamic vehicle routing with moving demands - Part I: Low speed demands and high arrival rates. , 2009, , .		5
204	Dynamic multi-vehicle routing with multiple classes of demands. , 2009, , .		5
205	Synchronization of Beads on a Ring by Feedback Control. SIAM Journal on Control and Optimization, 2014, 52, 914-938.	1.1	5
206	A solvability condition for reactive power flow. , 2015, , .		5
207	Cloud-Supported Coverage Control for Persistent Surveillance Missions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	5
208	Positive contagion and the macrostructures of generalized balance. Network Science, 2019, 7, 445-458.	0.8	5
209	Guest Editorial: Special Issue on Security and Privacy of Distributed Algorithms and Network Systems. IEEE Transactions on Automatic Control, 2020, 65, 3725-3727.	3.6	5
210	Transient Stability of Droop-Controlled Inverter Networks With Operating Constraints. IEEE Transactions on Automatic Control, 2022, 67, 633-645.	3.6	5
211	Flow and Elastic Networks on the $\mathbb{T}$ -Torus: Geometry, Analysis, and Computation. SIAM Review, 2022, 64, 59-104.	4.2	5
212	Control Algorithms Along Relative Equilibria of Underactuated Lagrangian Systems on Lie Groups. IEEE Transactions on Automatic Control, 2008, 53, 2651-2658.	3.6	4
213	On visibility maintenance via controlled invariance for leader-follower Dubins-like vehicles. , 2008, , .		4
214	Algorithms for regional source localization. , 2009, , .		4
215	Dynamic vehicle routing with moving demands - Part II: High speed demands or low arrival rates. , 2009, , .		4
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