Brian D O Anderson

List of Publications by Year
in descending order

739 papers	27,159 citations	7096 78 h-index	13379 130 g-index
747 all docs	747 docs citations	747 times ranked	8622 citing authors

#	Article	IF	Citations
1	Distributed Optimization for Graph Matching. IEEE Transactions on Cybernetics, 2023, 53, 4815-4828.	9.5	1
2	Applications of the Poincaré–Hopf Theorem: Epidemic Models and Lotka–Volterra Systems. IEEE Transactions on Automatic Control, 2022, 67, 1609-1624.	5.7	15
3	Convergence and Equilibria Analysis of a Networked Bivirus Epidemic Model. SIAM Journal on Control and Optimization, 2022, 60, S323-S346.	2.1	10
4	Mediated Remote Synchronization of Kuramoto-Sakaguchi Oscillators: The Number of Mediators Matters. , 2021, 5, 767-772.		12
5	Collaborative Target-Tracking Control Using Multiple Fixed-Wing Unmanned Aerial Vehicles with Constant Speeds. Journal of Guidance, Control, and Dynamics, 2021, 44, 238-250.	2.8	11
6	Cooperative Event-Based Rigid Formation Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4308-4320.	9.3	9
7	Mathematical Models of Self-Appraisal in Social Networks. Journal of Systems Science and Complexity, 2021, 34, 1604-1633.	2.8	2
8	Refining dichotomy convergence in vector-field guided path-following control. , 2021, , .		2
9	Event-Based Multiagent Consensus Control: Zeno-Free Triggering via $\mathcal{L}^p$ Signals. IEEE Transactions on Cybernetics, 2020, 50, 284-296.	9.5	70
10	Lyapunov Criterion for Stochastic Systems and Its Applications in Distributed Computation. IEEE Transactions on Automatic Control, 2020, 65, 546-560.	5.7	15
11	3-D Relative Localization of Mobile Systems Using Distance-Only Measurements via Semidefinite Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1903-1916.	4.7	21
12	Scalable, Distributed Algorithms for Solving Linear Equations via Double-Layered Networks. IEEE Transactions on Automatic Control, 2020, 65, 1132-1143.	5.7	21
13	Finite-Time Distributed Linear Equation Solver for Solutions With Minimum l_1-Norm. IEEE Transactions on Automatic Control, 2020, 65, 1691-1696.	5.7	13
14	Cooperative Localization of a GPS-Denied UAV Using Direction-of-Arrival Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1966-1978.	4.7	34
15	Consensus and Disagreement of Heterogeneous Belief Systems in Influence Networks. IEEE Transactions on Automatic Control, 2020, 65, 4679-4694.	5.7	14
16	Distributed Fixed-Time Attitude Tracking Consensus for Rigid Spacecraft Systems Under Directed Graphs. , 2020, 4, 698-703.		18
17	Distributed Algorithms with Finite Data Rates that Solve Linear Equations. SIAM Journal on Optimization, 2020, 30, 1191-1222.	2.0	16
18	Improved Doppler Positioning Techniques for Stand-Off Scenarios. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3375-3383.	4.7	1

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19	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
20	Distributed Computation of Graph Matching in Multi-Agent Networks. , 2020, , .		7
21	Communication-Efficient Distributed Algorithms for Solving Linear Algebraic Equations over Directed Graphs. , 2020, , .		3
22	Hybrid rigidity theory with signed constraints and its application to formation shape control in 2-D space. , 2020, , .		3
23	Extrema without convexity and stability without Lyapunov. Communications in Information and Systems, 2020, 20, 253-281.	0.5	2
24	Leader Tracking of Euler–Lagrange Agents on Directed Switching Networks Using a Model-Independent Algorithm. IEEE Transactions on Control of Network Systems, 2019, 6, 561-571.	3.7	9
25	Growing Super Stable Tensegrity Frameworks. IEEE Transactions on Cybernetics, 2019, 49, 2524-2535.	9.5	4
26	Higher order mobile coverage control with applications to clustering of discrete sets. Automatica, 2019, 102, 27-33.	5.0	11
27	An influence network model to study discrepancies in expressed and private opinions. Automatica, 2019, 107, 371-381.	5.0	63
28	Recent Advances in the Modelling and Analysis of Opinion Dynamics on Influence Networks. International Journal of Automation and Computing, 2019, 16, 129-149.	4.5	89
29	A Distributed Observer for a Discrete-Time Linear System. , 2019, , .		16
30	Clique Gossiping. IEEE/ACM Transactions on Networking, 2019, 27, 2418-2431.	3.8	5
31	Almost Global Convergence For Distance- and Area-Constrained Hierarchical Formations Without Reflection. , 2019, , .		8
32	Evolutionary Dynamics of Two Communities Under Environmental Feedback. , 2019, 3, 254-259.		16
33	On the Sensitivity of Granger Causality to Errors–in–Variables, Linear Transformations and Subsampling. Journal of Time Series Analysis, 2019, 40, 102-123.	1.2	18
34	An Arrow–Hurwicz–Uzawa type flow as least squares solver for network linear equations. Automatica, 2019, 100, 187-193.	5.0	28
35	Circular Formation Control of Multiple Unicycle-Type Agents With Nonidentical Constant Speeds. IEEE Transactions on Control Systems Technology, 2019, 27, 192-205.	5.2	49
36	Simultaneous velocity consensus and shape control for a finite number of point agents on the unit circle. Automatica, 2018, 90, 123-129.	5.0	0

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37	Collective Formation Control of Multiple Constant-Speed UAVs with Limited Interactions. Lecture Notes in Control and Information Sciences - Proceedings, 2018, , 15-27.	0.1	0
38	Evolution of Social Power in Social Networks With Dynamic Topology. IEEE Transactions on Automatic Control, 2018, 63, 3793-3808.	5.7	53
39	Comments on â€œDistributed event-triggered control of multi-agent systems with combinational measurementsâ€. Automatica, 2018, 92, 264-265.	5.0	16
40	Distance-Based Control of $\mathcal {K}_{n}$ Formations in General Space With Almost Global Convergence. IEEE Transactions on Automatic Control, 2018, 63, 2678-2685.	5.7	26
41	Kalman Filtering Over Gilbertâ€"Elliott Channels: Stability Conditions and Critical Curve. IEEE Transactions on Automatic Control, 2018, 63, 1003-1017.	5.7	20
42	On 3-D Formation Control With Mismatched Coordinates. IEEE Transactions on Control of Network Systems, 2018, 5, 1492-1502.	3.7	5
43	Conservation and decay laws in distributed coordination control systems. Automatica, 2018, 87, 1-7.	5.0	15
44	On the Effects of Heterogeneous Logical Interdependencies in a Multi-Dimensional Opinion Dynamics Model. , 2018, , .		3
45	On a hierarchical control strategy for multi-agent formation without reflection. , 2018, , .		12
46	Discrete-Time Polar Opinion Dynamics with Heterogeneous Individuals. , 2018, , .		7
47	Distributed Orientation Localization of Multi-agent Systems in 3-dimensional Space with Direction-only Measurements. , 2018, , .		12
48	A Generalized Discrete-Time Altafini Model. , 2018, , .		4
49	A Distributed Algorithm with Scalar States for Solving Linear Equations. , 2018, , .		2
50	Network Linear Equations with Finite Data Rates. , 2018, , .		0
51	Identification of Generalized Dynamic Factor Models from mixed-frequency data. IFAC-PapersOnLine, 2018, 51, 1008-1013.	0.9	1
52	Bearing-Based Formation Control of A Group of Agents with Leader-First Follower Structure. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	42
53	Request-based gossiping without deadlocks. Automatica, 2018, 93, 454-461.	5.0	6
54	Kalman Filtering Over Fading Channels: Zeroâ€"One Laws and Almost Sure Stabilities. IEEE Transactions on Information Theory, 2018, 64, 6731-6742.	2.4	4

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55	Quantization effects and convergence properties of rigid formation control systems with quantized distance measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 4865-4884.	3.7	8
56	Nonlinear Mapping Convergence and Application to Social Networks. , 2018, , .		5
57	Simultaneous Velocity and Position Estimation via Distance-Only Measurements With Application to Multi-Agent System Control. IEEE Transactions on Automatic Control, 2017, 62, 869-875.	5.7	49
58	Non-identifiability of VMA and VARMA systems in the mixed frequency case. Econometrics and Statistics, 2017, 4, 31-38.	0.8	5
59	Bearing-Only Measurement Self-Localization, Velocity Consensus and Formation Control. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 575-586.	4.7	37
60	Distributed stabilization control of rigid formations with prescribed orientation. Automatica, 2017, 78, 250-257.	5.0	67
61	Rigid Motions of 3-D Undirected Formations With Mismatch Between Desired Distances. IEEE Transactions on Automatic Control, 2017, 62, 4151-4158.	5.7	20
62	Robust Localization Using Range Measurements With Unknown and Bounded Errors. IEEE Transactions on Wireless Communications, 2017, 16, 4065-4078.	9.2	44
63	Eigenvalue Invariance of Inhomogeneous Matrix Products in Distributed Algorithms. , 2017, , 1-1.		3
64	Convergence and State Reconstruction of Time-Varying Multi-Agent Systems From Complete Observability Theory. IEEE Transactions on Automatic Control, 2017, 62, 2519-2523.	5.7	23
65	Memories of Rudy Kalman [Historical Perspectives]. IEEE Control Systems, 2017, 37, 159-160.	0.8	0
66	Distributed Averaging Using Periodic Gossiping. IEEE Transactions on Automatic Control, 2017, 62, 4282-4289.	5.7	22
67	Comments on â€œGlobal stabilization of rigid formations in the plane [Automatica 49 (2013) 1436â€"1441]â€. Automatica, 2017, 77, 393-396.	5.0	16
68	Distributed modelâ€independent consensus of Eulerâ€"Lagrange agents on directed networks. International Journal of Robust and Nonlinear Control, 2017, 27, 2428-2450.	3.7	20
69	Adaptive Source Localization Based Station Keeping of Autonomous Vehicles. IEEE Transactions on Automatic Control, 2017, 62, 3122-3135.	5.7	29
70	Network Flows That Solve Linear Equations. IEEE Transactions on Automatic Control, 2017, 62, 2659-2674.	5.7	84
71	Rigid formation control of double-integrator systems. International Journal of Control, 2017, 90, 1403-1419.	1.9	43
72	Exponential Least Squares Solvers for Linear Equations over Networks. IFAC-PapersOnLine, 2017, 50, 2543-2548.	0.9	5

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73	Controlling a triangular flexible formation of autonomous agents. * *The work of Hector Garcia de Marina was supported by Mis-trale project, http://mistrale.eu. The work of Zhiyong Sun and Brian Anderson was supported by the Australian Research Council Grants DP160104500, DP130103610 and the Prime Ministers Australia Asia Incoming Endeavour Postgraduate Award. The work of Cao was supported in part by the European Research Council (ERC-StG-307207) and the Netherlands		

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91	Further analysis on graph rigidity. , 2016, , .		7
92	The structure of multivariate AR and ARMA systems: Regular and singular systems; the single and the mixed frequency case. Journal of Econometrics, 2016, 192, 366-373.	6.5	17
93	Exponential stability for formation control systems with generalized controllers: A unified approach. Systems and Control Letters, 2016, 93, 50-57.	2.3	108
94	On leaderless and leader-following consensus for interacting clusters of second-order multi-agent systems. Automatica, 2016, 74, 214-221.	5.0	92
95	Robust control of undirected rigid formations with constant measurement bias in relative positions. , 2016, , .		6
96	MULTIVARIATE AR SYSTEMS AND MIXED FREQUENCY DATA: G-IDENTIFIABILITY AND ESTIMATION. Econometric Theory, 2016, 32, 793-826.	0.7	26
97	Finite time distributed distance–constrained shape stabilization and flocking control for <i>d</i>–dimensional undirected rigid formations. International Journal of Robust and Nonlinear Control, 2016, 26, 2824-2844.	3.7	38
98	Robust Localization Using Time Difference of Arrivals. IEEE Signal Processing Letters, 2016, 23, 1320-1324.	3.6	29
99	Formation control with mismatched compasses. Automatica, 2016, 69, 232-241.	5.0	54
100	Combined Flocking and Distance-Based Shape Control of Multi-Agent Formations. IEEE Transactions on Automatic Control, 2016, 61, 1824-1837.	5.7	104
101	On the Zero-Freeness of Tall Multirate Linear Systems. IEEE Transactions on Automatic Control, 2016, 61, 3606-3611.	5.7	6
102	Undirected Rigid Formations Are Problematic. IEEE Transactions on Automatic Control, 2016, 61, 2821-2836.	5.7	96
103	Cooperative Content Dissemination and Offloading in Heterogeneous Mobile Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6573-6587.	6.3	40
104	Decentralized gradient algorithm for solution of a linear equation. Numerical Algebra, Control and Optimization, 2016, 6, 319-328.	1.6	70
105	Model-independent rendezvous of Euler-Lagrange agents on directed networks. , 2015, , .		9
106	Stability conditions and phase transition for Kalman filtering over Markovian channels. , 2015, , .		1
107	Generalized controllers for rigid formation stabilization with application to event-based controller design. , 2015, , .		14
108	On the robustness to multiple agent losses in 2D and 3D formations. International Journal of Robust and Nonlinear Control, 2015, 25, 1654-1687.	3.7	5

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109	Multi-target localization and circumnavigation by a single agent using bearing measurements. International Journal of Robust and Nonlinear Control, 2015, 25, 2362-2374.	3.7	61
110	Formation control on lines, circles and ellipses: Genericity results and Morse theoretic ideas. , 2015, , .		5
111	Rigid formation shape control in general dimensions: an invariance principle and open problems. , 2015, , .		21
112	Analysis of undirected formation shape control with directional mismatch. , 2015, , .		4
113	Higher order Voronoi based mobile coverage control. , 2015, , .		7
114	Rigid formation control with prescribed orientation. , 2015, , .		14
115	Convergence rate of optimal periodic gossiping on ring graphs. , 2015, , .		3
116	Collective control of multiple unicycle agents with non-identical constant speeds: Tracking control and performance limitation. , 2015, , .		7
117	Distributed optimization on proximity network rigidity via robotic movements. , 2015, , .		5
118	Controlling formations with double integrator and passive actuation. , 2015, , .		3
119	Network Coding Based Wireless Broadcast With Performance Guarantee. IEEE Transactions on Wireless Communications, 2015, 14, 532-544.	9.2	21
120	Energy-Efficient Broadcast in Mobile Networks Subject to Channel Randomness. IEEE Transactions on Wireless Communications, 2015, 14, 2929-2941.	9.2	8
121	Localization Bias Reduction in Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 3004-3016.	7.9	15
122	Optimal path planning and sensor placement for mobile target detection. Automatica, 2015, 60, 127-139.	5.0	21
123	Zeros of networked systems with time-invariant interconnections. Automatica, 2015, 61, 97-105.	5.0	4
124	A New Measure of Wireless Network Connectivity. IEEE Transactions on Mobile Computing, 2015, 14, 1765-1779.	5.8	11
125	Consensus Over Random Graph Processes: Network Borelâ€"Cantelli Lemmas for Almost Sure Convergence. IEEE Transactions on Information Theory, 2015, 61, 5690-5707.	2.4	21
126	Safe Autonomous Agent Formation Operations Via Obstacle Collision Avoidance. Asian Journal of Control, 2015, 17, 1473-1483.	3.0	7

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127	Local average consensus in distributed measurement of spatial–temporal varying parameters: 1D case. Automatica, 2015, 52, 135-145.	5.0	2
128	Distributed formation control with relaxed motion requirements. International Journal of Robust and Nonlinear Control, 2015, 25, 3210-3230.	3.7	71
129	The Structure of Generalized Linear Dynamic Factor Models. Advanced Studies in Theoretical and Applied Econometrics, 2015, , 379-400.	0.1	7
130	Finite-time convergence control for acyclic persistent formations. , 2014, , .		8
131	Convergence analysis for rigid formation control with unrealizable shapes: The 3 agent case. , 2014, , .		6
132	Toward robust control of minimally rigid undirected formations. , 2014, , .		13
133	Spatial decay analysis in interconnected dynamical systems using vector Lyapunov functions. , 2014, , .		0
134	Consensus of linear multi-agent systems with fully distributed control gains under a general directed graph. , 2014, , .		18
135	Formation movements in minimally rigid formation control with mismatched mutual distances. , 2014, , .		29
136	Stability analysis on four agent tetrahedral formations. , 2014, , .		28
137	Verifying stabilizing controllers for performance improvement using closed–loop data. International Journal of Adaptive Control and Signal Processing, 2014, 28, 121-137.	4.1	5
138	Estimating distances via connectivity in wireless sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 541-556.	1.2	14
139	Stochastic Characterization of Information Propagation Process in Vehicular Ad hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 122-135.	8.0	48
140	Capacity of Large Wireless Networks with Generally Distributed Nodes. IEEE Transactions on Wireless Communications, 2014, 13, 1678-1691.	9.2	13
141	Counting Critical Formations on a Line. SIAM Journal on Control and Optimization, 2014, 52, 219-242.	2.1	44
142	Cooperative information forwarding in vehicular networks subject to channel randomness. , 2014, , .		5
143	Localization and Circumnavigation of a Slowly Moving Target Using Bearing Measurements. IEEE Transactions on Automatic Control, 2014, 59, 2182-2188.	5.7	182
144	Geometrical methods for mismatched formation control. , 2014, , .		19

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145	John Barratt Moore 1941â€"2013. Historical Records of Australian Science, 2014, 25, 92.	0.6	2
146	Stabilizability of linear time-varying systems. Systems and Control Letters, 2013, 62, 747-755.	2.3	53
147	Analysis of Noisy Bearing-Only Network Localization. IEEE Transactions on Automatic Control, 2013, 58, 247-252.	5.7	61
148	Systematic Bias Correction in Source Localization. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1692-1709.	4.7	12
149	Connectivity of Large Wireless Networks Under A General Connection Model. IEEE Transactions on Information Theory, 2013, 59, 1761-1772.	2.4	33
150	Non-robustness of gradient control for 3-D undirected formations with distance mismatch. , 2013, , .		15
151	A new splitting-merging paradigm for distributed localization in wireless sensor networks. , 2013, , .		3
152	Understanding Error Propagation in Multihop Sensor Network Localization. IEEE Transactions on Industrial Electronics, 2013, 60, 5811-5819.	7.9	22
153	On frame and orientation localization for relative sensing networks. Automatica, 2013, 49, 206-213.	5.0	69
154	Adaptive rangeâ€measurementâ€based target pursuit. International Journal of Adaptive Control and Signal Processing, 2013, 27, 66-81.	4.1	49
155	On the zeros of blocked time-invariant systems. Systems and Control Letters, 2013, 62, 597-603.	2.3	2
156	Emitter localization using received-strength-signal data. Signal Processing, 2013, 93, 996-1012.	3.7	16
157	Doppler Shift Target Localization. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 266-276.	4.7	67
158	Analysis of accelerated gossip algorithms. Automatica, 2013, 49, 873-883.	5.0	26
159	Performance limits in sensor localization. Automatica, 2013, 49, 503-509.	5.0	16
160	Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1512-1523.	9.2	16
161	Stabilization of stiff formations with a mix of direction and distance constraints. , 2013, , .		20
162	Certifying non-existence of undesired locally stable equilibria in formation shape control problems. , 2013, , .		3

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163	Equivariant Morse theory and formation control. , 2013, , .		19
164	Analytical characterization of computationally efficient localization techniques. , 2013, , .		0
165	On modeling of tall linear systems with multirate outputs. , 2013, , .		0
166	Translational velocity consensus using distance-only measurements. , 2013, , .		4
167	Zeros of networks of linear multi-agent systems: Time-invariant interconnections. , 2013, , .		2
168	On the properties of linear multirate systems with coprime output rates. , 2013, , .		0
169	Multiagent self-localization using bearing only measurements. , 2013, , .		6
170	Opportunistic broadcast in mobile ad-hoc networks subject to channel randomness. , 2013, , .		3
171	Local average consensus in distributed measurement of spatial-temporal varying parameters: 1D case. , 2013, , .		2
172	Mixed frequency structured AR model identification. , 2013, , .		3
173	On distributed cluster consensus for multiple double-integrator agents. , 2013, , .		6
174	Robustness issues with undirected formations. , 2012, , .		38
175	Dynamical behavior, cost and Magic Number in average consensus. , 2012, , .		1
176	On the zero properties of linear discrete-time systems with multirate outputs. , 2012, , .		3
177	On the information propagation process in multi-lane vehicular ad-hoc networks. , 2012, , .		12
178	Target localization and circumnavigation by a non-holonomic robot. , 2012, , .		32
179	On information dissemination in infrastructure-based mobile ad-hoc networks. , 2012, , .		6
180	Extending small gain and passivity theory for large-scale system interconnections. , 2012, , .		1

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181	Adaptive docking using range measurements. , 2012, , .		0
182	On the Hop Count Statistics in Wireless Multihop Networks Subject to Fading. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1275-1287.	5.6	19
183	A Combined Multiple Model Adaptive Control Scheme and Its Application to Nonlinear Systems With Nonlinear Parameterization. IEEE Transactions on Automatic Control, 2012, 57, 1778-1782.	5.7	28
184	On the Properties of One-Dimensional Infrastructure-Based Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2606-2615.	9.2	14
185	Autoregressive models of singular spectral matrices. Automatica, 2012, 48, 2843-2849.	5.0	13
186	Properties of blocked linear systems. Automatica, 2012, 48, 2520-2525.	5.0	16
187	Accelerated iterative distributed controller synthesis with a Barzilai-Borwein step size. , 2012, , .		11
188	Control of triangle formations with a mix of angle and distance constraints. , 2012, , .		19
189	On the performance limit of single-hop TOA localization. , 2012, , .		2
190	Identifiability of regular and singular multivariate autoregressive models from mixed frequency data. , 2012, , .		12
191	Threshold phenomenon for average consensus. , 2012, , .		0
192	Circumnavigation Using Distance Measurements Under Slow Drift. IEEE Transactions on Automatic Control, 2012, 57, 889-903.	5.7	177
193	Simplified Rapid Switching Gain Scheduling for a Class of LPV Systems. IEEE Transactions on Automatic Control, 2012, 57, 2633-2639.	5.7	3
194	Multi-realization of nonlinear systems. Automatica, 2012, 48, 1455-1461.	5.0	3
195	Towards a Better Understanding of Large-Scale Network Models. IEEE/ACM Transactions on Networking, 2012, 20, 408-421.	3.8	103
196	Bias reduction in transfer function identification. , 2012, , .		0
197	Analyzing localization errors in one-dimensional sensor networks. Signal Processing, 2012, 92, 427-438.	3.7	12
198	On interconnections of â€œmixedâ€•systems using classical stability theory. Systems and Control Letters, 2012, 61, 676-682.	2.3	10

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199	Combining distance-based formation shape control with formation translation. , 2012, , 121-130.		29
200	A New Iterative Algorithm to Solve Periodic Riccati Differential Equations With Sign Indefinite Quadratic Terms. IEEE Transactions on Automatic Control, 2011, 56, 929-934.	5.7	10
201	Analytical Bounds on the Critical Density for Percolation in Wireless Multi-Hop Networks. , 2011, , .		2
202	Stabilization of rigid formations with direction-only constraints. , 2011, , .		62
203	Control of Minimally Persistent Leader-Remote-Follower and Coleader Formations in the Plane. IEEE Transactions on Automatic Control, 2011, 56, 2778-2792.	5.7	120
204	Multi-agent rigid formations: A study of robustness to the loss of multiple agents. , 2011, , .		5
205	Solutions of Yule-Walker equations for singular AR processes. Journal of Time Series Analysis, 2011, 32, 531-538.	1.2	18
206	Deterministic Gossiping. Proceedings of the IEEE, 2011, 99, 1505-1524.	21.3	88
207	On the Information Propagation Process in Mobile Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2314-2325.	6.3	55
208	Cooperative Self-Localization of Mobile Agents. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1926-1947.	4.7	24
209	Close target reconnaissance with guaranteed collision avoidance. International Journal of Robust and Nonlinear Control, 2011, 21, 1823-1840.	3.7	39
210	Stability of adaptive delta modulators with forgetting factor and constant inputs. International Journal of Adaptive Control and Signal Processing, 2011, 25, 723-739.	4.1	2
211	Formation control using range-only measurements. Automatica, 2011, 47, 776-781.	5.0	199
212	New relations between norms of system transfer functions. Systems and Control Letters, 2011, 60, 151-155.	2.3	2
213	A test for determining systems with â€œmixedâ€•small gain and passivity properties. Systems and Control Letters, 2011, 60, 479-485.	2.3	8
214	Contractions for consensus processes. , 2011, , .		11
215	On the k-hop partial connectivity in finite wireless multi-hop networks. , 2011, , .		4
216	On the zeros of blocked linear systems with single and mixed frequency data. , 2011, , .		9

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217	On the asymptotic connectivity of random networks under the random connection model. , 2011, , .		14
218	Request-based gossiping. , 2011, , .		3
219	On the performance limit of sensor localization. , 2011, , .		3
220	On the Information Propagation in Mobile Ad-Hoc Networks Using Epidemic Routing. , 2011, , .		7
221	Morse theory and formation control. , 2011, , .		18
222	Range-only sensing for formation shape control and easy sensor network localization. , 2011, , .		14
223	Optimality analysis of sensor-target localization geometries. Automatica, 2010, 46, 479-492.	5.0	362
224	An iterative algorithm to solve state-perturbed stochastic algebraic Riccati equations in LQ zero-sum games. Systems and Control Letters, 2010, 59, 50-56.	2.3	27
225	Closing ranks in rigid multi-agent formations using edge contraction. International Journal of Robust and Nonlinear Control, 2010, 20, 2077-2092.	3.7	10
226	Adaptive output feedback control of nonlinear systems with nonlinear parameterization: A dwell-time-switching based multiple model adaptive control approach. , 2010, , .		0
227	Deterministic gossiping with a periodic protocol. , 2010, , .		16
228	Localization bias correction in n-dimensional space. , 2010, , .		6
229	Singular autoregressions for Generalized Dynamic Factor Models. , 2010, , .		0
230	Connectivity-Based Distance Estimation in Wireless Sensor Networks. , 2010, , .		14
231	Verifying closed-loop performance before inserting a new controller. , 2010, , .		5
232	Properties of 1-D Infrastructure-Based Wireless Multi-Hop Networks. , 2010, , .		3
233	On the Information Propagation Speed in Mobile Vehicular Ad Hoc Networks. , 2010, , .		9
234	Stability and performance verification before switching in new controllers using closed-loop data. , 2010, , .		2

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235	Network localizability with link or node losses. , 2010, , .		2
236	On the Effective Energy Consumption in Wireless Sensor Networks. , 2010, , .		10
237	Generalized Linear Dynamic Factor Models: An Approach via Singular Autoregressions. European Journal of Control, 2010, 16, 211-224.	2.6	57
238	Determining “mixedness” and an application of finite-gain stability results to “mixed” system interconnections. , 2010, , .		2
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240	Probability of k-Hop Connection under Random Connection Model. IEEE Communications Letters, 2010, 14, 1023-1025.	4.1	18
241	Target localization and circumnavigation using bearing measurements in 2D. , 2010, , .		54
242	A Game Theoretic Algorithm to Solve Riccati and Hamiltonâ€"Jacobiâ€"Bellmanâ€"Isaacs (HJBI) Equations in H âˆž Control. Springer Optimization and Its Applications, 2010, , 277-308.	0.9	1
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