

Brian D O Anderson

List of Publications by Year in descending order

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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	Wireless sensor network localization techniques. <i>Computer Networks</i> , 2007, 51, 2529-2553.	5.1	1,525
2	A Theory of Network Localization. <i>IEEE Transactions on Mobile Computing</i> , 2006, 5, 1663-1678.	5.8	505
3	Reaching a Consensus in a Dynamically Changing Environment: A Graphical Approach. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 575-600.	2.1	446
4	Controller reduction: concepts and approaches. <i>IEEE Transactions on Automatic Control</i> , 1989, 34, 802-812.	5.7	421
5	Optimality analysis of sensor-target localization geometries. <i>Automatica</i> , 2010, 46, 479-492.	5.0	362
6	Detectability and Stabilizability of Time-Varying Discrete-Time Linear Systems. <i>SIAM Journal on Control and Optimization</i> , 1981, 19, 20-32.	2.1	358
7	Robust model reference adaptive control. <i>IEEE Transactions on Automatic Control</i> , 1986, 31, 127-133.	5.7	336
8	Exponential stability of linear equations arising in adaptive identification. <i>IEEE Transactions on Automatic Control</i> , 1977, 22, 83-88.	5.7	311
9	Rigidity, computation, and randomization in network localization. , 0, , .		295
10	A Nash game approach to mixed H_2/H_∞ control. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 69-82.	5.7	283
11	Algebraic characterization of fixed modes in decentralized control. <i>Automatica</i> , 1981, 17, 703-712.	5.0	277
12	Exponential convergence of adaptive identification and control algorithms. <i>Automatica</i> , 1982, 18, 1-13.	5.0	274
13	Adaptive systems, lack of persistency of excitation and bursting phenomena. <i>Automatica</i> , 1985, 21, 247-258.	5.0	261
14	Model Reduction for Control System Design. <i>Communications and Control Engineering</i> , 2001, , .	1.6	260
15	Reaching a Consensus in a Dynamically Changing Environment: Convergence Rates, Measurement Delays, and Asynchronous Events. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 601-623.	2.1	257
16	Singular perturbation approximation of balanced systems. <i>International Journal of Control</i> , 1989, 50, 1379-1405.	1.9	253
17	Path loss exponent estimation for wireless sensor network localization. <i>Computer Networks</i> , 2007, 51, 2467-2483.	5.1	241
18	Nonlinear regulator theory and an inverse optimal control problem. <i>IEEE Transactions on Automatic Control</i> , 1973, 18, 460-465.	5.7	236

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19	Asymptotically fast solution of toeplitz and related systems of linear equations. Linear Algebra and Its Applications, 1980, 34, 103-116.	0.9	226
20	A first principles solution to the non-singular H^∞ control problem. International Journal of Robust and Nonlinear Control, 1991, 1, 171-185.	3.7	220
21	Ill-convergence of Godard blind equalizers in data communication systems. IEEE Transactions on Communications, 1991, 39, 1313-1327.	7.8	206
22	Output feedback stabilization and related problems-solution via decision methods. IEEE Transactions on Automatic Control, 1975, 20, 53-66.	5.7	205
23	Multiple model adaptive control. Part 2: switching. International Journal of Robust and Nonlinear Control, 2001, 11, 479-496.	3.7	199
24	Formation control using range-only measurements. Automatica, 2011, 47, 776-781.	5.0	199
25	Stability and the matrix Lyapunov equation for discrete 2-dimensional systems. IEEE Transactions on Circuits and Systems, 1986, 33, 261-267.	0.9	198
26	Agreeing Asynchronously. IEEE Transactions on Automatic Control, 2008, 53, 1826-1838.	5.7	184
27	Localization and Circumnavigation of a Slowly Moving Target Using Bearing Measurements. IEEE Transactions on Automatic Control, 2014, 59, 2182-2188.	5.7	182
28	Time-varying feedback laws for decentralized control. IEEE Transactions on Automatic Control, 1981, 26, 1133-1139.	5.7	181
29	From Youla-Kucera to Identification, Adaptive and Nonlinear Control. Automatica, 1998, 34, 1485-1506.	5.0	181
30	Circumnavigation Using Distance Measurements Under Slow Drift. IEEE Transactions on Automatic Control, 2012, 57, 889-903.	5.7	177
31	A new approach to the discretization of continuous-time controllers. IEEE Transactions on Automatic Control, 1992, 37, 214-223.	5.7	176
32	Multiple model adaptive control. Part 1: Finite controller coverings. International Journal of Robust and Nonlinear Control, 2000, 10, 909-929.	3.7	176
33	Directed graphs for the analysis of rigidity and persistence in autonomous agent systems. International Journal of Robust and Nonlinear Control, 2007, 17, 960-981.	3.7	172
34	Greatest common divisor via generalized Sylvester and Bezout matrices. IEEE Transactions on Automatic Control, 1978, 23, 1043-1047.	5.7	168
35	A Game Theoretic Approach to H^∞ Control for Time-Varying Systems. SIAM Journal on Control and Optimization, 1992, 30, 262-283.	2.1	163
36	On the Scalar Rational Interpolation Problem. IMA Journal of Mathematical Control and Information, 1986, 3, 61-88.	1.7	155

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37	Three and higher dimensional autonomous formations: Rigidity, persistence and structural persistence. <i>Automatica</i> , 2007, 43, 387-402.	5.0	152
38	Nonnegative realization of a linear system with nonnegative impulse response. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996, 43, 134-142.	0.1	145
39	The Multi-Agent Rendezvous Problem. Part 1: The Synchronous Case. <i>SIAM Journal on Control and Optimization</i> , 2007, 46, 2096-2119.	2.1	142
40	Control of Minimally Persistent Formations in the Plane. <i>SIAM Journal on Control and Optimization</i> , 2009, 48, 206-233.	2.1	142
41	Failures of adaptive control theory and their resolution. <i>Communications in Information and Systems</i> , 2005, 5, 1-20.	0.5	141
42	An algebraic solution to the spectral factorization problem. <i>IEEE Transactions on Automatic Control</i> , 1967, 12, 410-414.	5.7	140
43	Control of a three-coleader formation in the plane. <i>Systems and Control Letters</i> , 2007, 56, 573-578.	2.3	136
44	A new approach to adaptive robust control. <i>International Journal of Adaptive Control and Signal Processing</i> , 1993, 7, 183-211.	4.1	134
45	The inverse problem of stationary covariance generation. <i>Journal of Statistical Physics</i> , 1969, 1, 133-147.	1.2	132
46	Challenges of adaptive control—past, permanent and future. <i>Annual Reviews in Control</i> , 2008, 32, 123-135.	7.9	131
47	Adaptive systems and time varying plants. <i>International Journal of Control</i> , 1983, 37, 367-377.	1.9	130
48	Frequency-weighted optimal Hankel-norm approximation of stable transfer functions. <i>Systems and Control Letters</i> , 1985, 5, 229-236.	2.3	129
49	The Multi-Agent Rendezvous Problem. Part 2: The Asynchronous Case. <i>SIAM Journal on Control and Optimization</i> , 2007, 46, 2120-2147.	2.1	126
50	UAV Formation Control: Theory and Application. <i>Lecture Notes in Control and Information Sciences</i> , 2008, , 15-33.	1.0	126
51	Localization in sparse networks using sweeps. , 2006, , .		123
52	Control of Minimally Persistent Leader-Remote-Follower and Coleader Formations in the Plane. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 2778-2792.	5.7	120
53	Controller reduction via stable factorization and balancing. <i>International Journal of Control</i> , 1986, 44, 507-531.	1.9	113
54	Performance of adaptive estimation algorithms in dependent random environments. <i>IEEE Transactions on Automatic Control</i> , 1980, 25, 788-794.	5.7	112

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55	Accuracy-enhancing methods for balancing-related frequency-weighted model and controller reduction. <i>Automatica</i> , 2003, 39, 919-927.	5.0	112
56	Generalized Bezoutian and Sylvester matrices in multivariable linear control. <i>IEEE Transactions on Automatic Control</i> , 1976, 21, 551-556.	5.7	111
57	Identification of scalar errors-in-variables models with dynamics. <i>Automatica</i> , 1985, 21, 709-716.	5.0	111
58	Exponential stability for formation control systems with generalized controllers: A unified approach. <i>Systems and Control Letters</i> , 2016, 93, 50-57.	2.3	108
59	On some key issues in the windsurfer approach to adaptive robust control. <i>Automatica</i> , 1995, 31, 1619-1636.	5.0	107
60	Recursive algorithm for spectral factorization. <i>IEEE Transactions on Circuits and Systems</i> , 1974, 21, 742-750.	0.9	106
61	Global adaptive pole positioning. <i>IEEE Transactions on Automatic Control</i> , 1985, 30, 11-22.	5.7	105
62	Multiple model adaptive control with safe switching. <i>International Journal of Adaptive Control and Signal Processing</i> , 2001, 15, 445-470.	4.1	104
63	Sensor network localization with imprecise distances. <i>Systems and Control Letters</i> , 2006, 55, 887-893.	2.3	104
64	Combined Flocking and Distance-Based Shape Control of Multi-Agent Formations. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1824-1837.	5.7	104
65	Towards a Better Understanding of Large-Scale Network Models. <i>IEEE/ACM Transactions on Networking</i> , 2012, 20, 408-421.	3.8	103
66	A simplified viewpoint of hyperstability. <i>IEEE Transactions on Automatic Control</i> , 1968, 13, 292-294.	5.7	102
67	The small-gain theorem, the passivity theorem and their equivalence. <i>Journal of the Franklin Institute</i> , 1972, 293, 105-115.	3.4	101
68	Necessary and sufficient conditions for delay-independent stability of linear autonomous systems. <i>IEEE Transactions on Automatic Control</i> , 1980, 25, 735-739.	5.7	101
69	An interpolation theory approach to H^∞ controller degree bounds. <i>Linear Algebra and Its Applications</i> , 1988, 98, 347-386.	0.9	100
70	Stability test for two-dimensional recursive filters. <i>IEEE Transactions on Audio and Electroacoustics</i> , 1973, 21, 366-372.	1.0	99
71	Bearing-Only Localization using Geometrically Constrained Optimization. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2009, 45, 308-320.	4.7	98
72	Exponential convergence of recursive least squares with exponential forgetting factor. <i>Systems and Control Letters</i> , 1982, 2, 77-82.	2.3	96

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73	Undirected Rigid Formations Are Problematic. IEEE Transactions on Automatic Control, 2016, 61, 2821-2836.	5.7	96
74	Adaptive frequency sampling filters. IEEE Transactions on Circuits and Systems, 1981, 28, 524-534.	0.9	93
75	On leaderless and leader-following consensus for interacting clusters of second-order multi-agent systems. Automatica, 2016, 74, 214-221.	5.0	92
76	Identifiability of MIMO linear dynamic systems operating in closed loop. Automatica, 1977, 13, 477-485.	5.0	91
77	Optimal FWL design of state-space digital systems with weighted sensitivity minimization and sparseness consideration. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1992, 39, 365-377.	0.1	90
78	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
79	Design of an Extended Kalman Filter for UAV Localization. , 2007, , .		88
80	Deterministic Gossiping. Proceedings of the IEEE, 2011, 99, 1505-1524.	21.3	88
81	A generalization of the Popov criterion. Journal of the Franklin Institute, 1968, 285, 488-492.	3.4	85
82	Stability properties of Kalman-Bucy filters. Journal of the Franklin Institute, 1971, 291, 137-144.	3.4	85
83	Network Flows That Solve Linear Equations. IEEE Transactions on Automatic Control, 2017, 62, 2659-2674.	5.7	84
84	Exploiting geometry for improved hybrid AOA/TDOA-based localization. Signal Processing, 2008, 88, 1775-1791.	3.7	81
85	Second-order convergent algorithms for the steady-state Riccati equation. International Journal of Control, 1978, 28, 295-306.	1.9	79
86	Model validation for control and controller validation in a prediction error identification framework. Part I: theory. Automatica, 2003, 39, 403-415.	5.0	79
87	Graphical properties of easily localizable sensor networks. Wireless Networks, 2009, 15, 177-191.	3.0	77
88	Frequency tracking of nonsinusoidal periodic signals in noise. Signal Processing, 1990, 20, 127-152.	3.7	76
89	Identifiability of linear stochastic systems operating under linear feedback. Automatica, 1982, 18, 195-213.	5.0	73
90	Lyapunov techniques for the exponential stability of linear difference equations with random coefficients. IEEE Transactions on Automatic Control, 1980, 25, 782-787.	5.7	71

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91	Control of acyclic formations of mobile autonomous agents. , 2008, , .		71
92	Distributed formation control with relaxed motion requirements. International Journal of Robust and Nonlinear Control, 2015, 25, 3210-3230.	3.7	71
93	Stability of control systems with multiple nonlinearities. Journal of the Franklin Institute, 1966, 282, 155-160.	3.4	70
94	Event-Based Multiagent Consensus Control: Zeno-Free Triggering via \mathcal{L}^p Signals. IEEE Transactions on Cybernetics, 2020, 50, 284-296.	9.5	70
95	Decentralized gradient algorithm for solution of a linear equation. Numerical Algebra, Control and Optimization, 2016, 6, 319-328.	1.6	70
96	On frame and orientation localization for relative sensing networks. Automatica, 2013, 49, 206-213.	5.0	69
97	Rational interpolation and state-variable realizations. Linear Algebra and Its Applications, 1990, 137-138, 479-509.	0.9	68
98	Robustness analysis tools for an uncertainty set obtained by prediction error identification. Automatica, 2001, 37, 1629-1636.	5.0	68
99	A continuous time linear adaptive source localization algorithm, robust to persistent drift. Systems and Control Letters, 2009, 58, 7-16.	2.3	68
100	Stability of multidimensional digital filters. IEEE Transactions on Circuits and Systems, 1974, 21, 300-304.	0.9	67
101	Excitation conditions for signed regressor least mean squares adaptation. IEEE Transactions on Circuits and Systems, 1988, 35, 613-624.	0.9	67
102	Approximation of frequency response for sampled-data control systems. Automatica, 1999, 35, 729-734.	5.0	67
103	Computing the Positive Stabilizing Solution to Algebraic Riccati Equations With an Indefinite Quadratic Term via a Recursive Method. IEEE Transactions on Automatic Control, 2008, 53, 2280-2291.	5.7	67
104	Doppler Shift Target Localization. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 266-276.	4.7	67
105	Distributed stabilization control of rigid formations with prescribed orientation. Automatica, 2017, 78, 250-257.	5.0	67
106	Optimally efficient estimation of the statistics of rare events in queueing networks. IEEE Transactions on Automatic Control, 1991, 36, 1395-1405.	5.7	66
107	Controlling a triangular formation of mobile autonomous agents. , 2007, , .		65
108	Model approximations via prediction error identification. Automatica, 1978, 14, 615-622.	5.0	64

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109	Linear dynamic errors-in-variables models. <i>Journal of Econometrics</i> , 1989, 41, 39-63.	6.5	64
110	Coping with singular transition matrices in estimation and control stability theory. <i>International Journal of Control</i> , 1980, 31, 571-586.	1.9	63
111	Transfer function matrix description of decentralized fixed modes. <i>IEEE Transactions on Automatic Control</i> , 1982, 27, 1176-1182.	5.7	63
112	An influence network model to study discrepancies in expressed and private opinions. <i>Automatica</i> , 2019, 107, 371-381.	5.0	63
113	Representations of jointly stationary stochastic feedback processes. <i>International Journal of Control</i> , 1981, 33, 777-809.	1.9	62
114	Stabilization of rigid formations with direction-only constraints. , 2011, , .		62
115	Analysis of Noisy Bearing-Only Network Localization. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 247-252.	5.7	61
116	Multi-target localization and circumnavigation by a single agent using bearing measurements. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 2362-2374.	3.7	61
117	Optimality Analysis of Sensor-Target Geometries in Passive Localization: Part 2 - Time-of-Arrival Based Localization. , 2007, , .		60
118	Optimality Analysis of Sensor-Target Geometries in Passive Localization: Part 1 - Bearing-Only Localization. , 2007, , .		60
119	Triangularization technique for the design of multivariable control systems. <i>IEEE Transactions on Automatic Control</i> , 1979, 24, 455-460.	5.7	59
120	The generation of all q-Markov covers. <i>IEEE Transactions on Circuits and Systems</i> , 1988, 35, 375-384.	0.9	58
121	Reaching an Agreement Using Delayed Information. , 2006, , .		58
122	Use of frequency dependence in linear quadratic control problems to frequency-shape robustness. <i>Journal of Guidance, Control, and Dynamics</i> , 1985, 8, 397-401.	2.8	57
123	Robust Schur polynomial stability and Kharitonov's theorem. <i>International Journal of Control</i> , 1988, 47, 1213-1225.	1.9	57
124	Generalized Linear Dynamic Factor Models: An Approach via Singular Autoregressions. <i>European Journal of Control</i> , 2010, 16, 211-224.	2.6	57
125	Spectral factorization of time-varying covariance functions. <i>IEEE Transactions on Information Theory</i> , 1969, 15, 550-557.	2.4	55
126	Frequency domain conditions for the robust stability of linear and nonlinear dynamical systems. <i>IEEE Transactions on Circuits and Systems</i> , 1991, 38, 389-397.	0.9	55

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127	On the Information Propagation Process in Mobile Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2314-2325.	6.3	55
128	Formation Reorganization by Primitive Operations on Directed Graphs. IEEE Transactions on Automatic Control, 2008, 53, 968-979.	5.7	54
129	Target localization and circumnavigation using bearing measurements in 2D. , 2010, , .		54
130	Formation control with mismatched compasses. Automatica, 2016, 69, 232-241.	5.0	54
131	Algebraic properties of minimal degree spectral factors. Automatica, 1973, 9, 491-500.	5.0	53
132	A mixed small gain and passivity theorem in the frequency domain. Systems and Control Letters, 2007, 56, 596-602.	2.3	53
133	Formal Theory of Noisy Sensor Network Localization. SIAM Journal on Discrete Mathematics, 2010, 24, 684-698.	0.8	53
134	Stabilizability of linear time-varying systems. Systems and Control Letters, 2013, 62, 747-755.	2.3	53
135	Evolution of Social Power in Social Networks With Dynamic Topology. IEEE Transactions on Automatic Control, 2018, 63, 3793-3808.	5.7	53
136	Coprime factorization controller reduction with bezout identity induced frequency weighting. Automatica, 1990, 26, 233-249.	5.0	52
137	Output feedback stabilization Solution by algebraic geometry methods. Proceedings of the IEEE, 1977, 65, 849-861.	21.3	51
138	Iterative minimization of H control performance criteria. Automatica, 2008, 44, 2549-2559.	5.0	51
139	Structural controllability and matrix nets. International Journal of Control, 1982, 35, 397-416.	1.9	50
140	Stability theory for adaptive systems: Method of averaging and persistency of excitation. IEEE Transactions on Automatic Control, 1987, 32, 26-34.	5.7	50
141	Adaptive range measurement based target pursuit. International Journal of Adaptive Control and Signal Processing, 2013, 27, 66-81.	4.1	49
142	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
143	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
144	Schwarz matrix properties for continuous and discrete time systems. International Journal of Control, 1976, 23, 1-16.	1.9	48

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145	Godard blind equalizer error surface characteristics: White, zero-mean, binary source case. International Journal of Adaptive Control and Signal Processing, 1995, 9, 301-324.	4.1	48
146	A game theoretic algorithm to compute local stabilizing solutions to HJB equations in nonlinear control. Automatica, 2009, 45, 881-888.	5.0	48
147	Stochastic Characterization of Information Propagation Process in Vehicular Ad hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 122-135.	8.0	48
148	Output-error identification methods for partially known systems. International Journal of Control, 1986, 43, 177-191.	1.9	47
149	Optimal control problems over large time intervals. Automatica, 1987, 23, 355-363.	5.0	47
150	The Realization Problem for Hidden Markov Models. Mathematics of Control, Signals, and Systems, 1999, 12, 80-120.	2.3	47
151	Insensitivity of a class of nonlinear compartmental systems to the introduction of arbitrary time delays. IEEE Transactions on Circuits and Systems, 1980, 27, 604-612.	0.9	46
152	Exponential convergence and persistent excitation. , 1982, , .		46
153	Output Feedback and Generic Stabilizability. SIAM Journal on Control and Optimization, 1984, 22, 362-380.	2.1	46
154	Identification of physical parameters in structured systems. Automatica, 1988, 24, 217-225.	5.0	46
155	On the stability of fixed-lag smoothing algorithms. Journal of the Franklin Institute, 1971, 291, 271-281.	3.4	45
156	Minimal positive realizations of transfer functions with positive real poles. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1370-1377.	0.1	44
157	Unfalsified adaptive control: A new controller implementation and some remarks. , 2007, , .		44
158	Counting Critical Formations on a Line. SIAM Journal on Control and Optimization, 2014, 52, 219-242.	2.1	44
159	Robust Localization Using Range Measurements With Unknown and Bounded Errors. IEEE Transactions on Wireless Communications, 2017, 16, 4065-4078.	9.2	44
160	Stability of matrix polynomials. International Journal of Control, 1977, 26, 235-247.	1.9	43
161	Physically based parameterizations for designing adaptive algorithms. Automatica, 1987, 23, 469-477.	5.0	43
162	Optimum realizations of sampled-data controllers for FWL sensitivity minimization. Automatica, 1995, 31, 367-379.	5.0	43

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163	Rigid formation control of double-integrator systems. International Journal of Control, 2017, 90, 1403-1419.	1.9	43
164	A simplified Schur-Cohn test. IEEE Transactions on Automatic Control, 1973, 18, 157-163.	5.7	42
165	A simple test for zeros of a complex polynomial in a sector. IEEE Transactions on Automatic Control, 1974, 19, 437-438.	5.7	42
166	Stabilization of certain two-dimensional recursive digital filters. Proceedings of the IEEE, 1977, 65, 887-892.	21.8	42
167	On the robustness of low-order Schur polynomials. IEEE Transactions on Circuits and Systems, 1988, 35, 570-577.	0.9	42
168	Towed array shape estimation using Kalman filters-theoretical models. IEEE Journal of Oceanic Engineering, 1993, 18, 543-556.	3.8	42
169	Filtering through combination of positive filters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 1431-1440.	0.1	42
170	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
171	Tight Bounds on the Error Probabilities of Decision Feedback Equalizers. IRE Transactions on Communications Systems, 1987, 35, 1022-1028.	0.6	41
172	Robust stability of polynomials with multilinear parameter dependence. International Journal of Control, 1989, 50, 1745-1762.	1.9	40
173	Iterative controller optimization for nonlinear systems. Control Engineering Practice, 2003, 11, 1079-1086.	5.5	40
174	On the Probability of K-hop Connection in Wireless Sensor Networks. IEEE Communications Letters, 2007, 11, 662-664.	4.1	40
175	Cooperative Content Dissemination and Offloading in Heterogeneous Mobile Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6573-6587.	6.3	40
176	On reduced-order adaptive output error identification and adaptive IIR filtering. IEEE Transactions on Automatic Control, 1982, 27, 927-933.	5.7	39
177	On jointly stationary feedback-free stochastic processes. IEEE Transactions on Automatic Control, 1982, 27, 431-436.	5.7	39
178	q-Markov covariance equivalent realizations. International Journal of Control, 1986, 44, 1477-1490.	1.9	39
179	Recovery Times of Decision Feedback Equalizers on Noiseless Channels. IRE Transactions on Communications Systems, 1987, 35, 1012-1021.	0.6	39
180	Guaranteeing Practical Convergence in Algorithms for Sensor and Source Localization. IEEE Transactions on Signal Processing, 2008, 56, 4458-4469.	5.3	39

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181	Optimal Range-Difference-Based Localization Considering Geometrical Constraints. IEEE Journal of Oceanic Engineering, 2008, 33, 289-301.	3.8	39
182	Close target reconnaissance with guaranteed collision avoidance. International Journal of Robust and Nonlinear Control, 2011, 21, 1823-1840.	3.7	39
183	Weighted Hankel-norm approximation: Calculation of bounds. Systems and Control Letters, 1986, 7, 247-255.	2.3	38
184	Optimizing FIR approximation for discrete-time IIR filters. IEEE Signal Processing Letters, 2003, 10, 273-276.	3.6	38
185	Acquiring and maintaining persistence of autonomous multi-vehicle formations. IET Control Theory and Applications, 2007, 1, 452-460.	2.1	38
186	Validating Controllers for Internal Stability Utilizing Closed-Loop Data. IEEE Transactions on Automatic Control, 2009, 54, 2719-2725.	5.7	38
187	Robustness issues with undirected formations. , 2012, , .		38
188	Finite time distributed distance-constrained shape stabilization and flocking control for d -dimensional undirected rigid formations. International Journal of Robust and Nonlinear Control, 2016, 26, 2824-2844.	3.7	38
189	Properties of Zero-Free Transfer Function Matrices. SICE Journal of Control Measurement and System Integration, 2008, 1, 284-292.	0.7	38
190	Minimization of the effect of noisy measurements on localization of multi-agent autonomous formations. Automatica, 2009, 45, 1058-1065.	5.0	37
191	Bearing-Only Measurement Self-Localization, Velocity Consensus and Formation Control. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 575-586.	4.7	37
192	Internal and External Stability of Linear Time-Varying Systems. SIAM Journal on Control and Optimization, 1982, 20, 408-413.	2.1	36
193	A Parametrization for the closed-loop identification of nonlinear time-varying systems. Automatica, 1996, 32, 1349-1360.	5.0	36
194	Sequential Localization of Sensor Networks. SIAM Journal on Control and Optimization, 2009, 48, 321-350.	2.1	36
195	Least order, stable solution of the exact model matching problem. Automatica, 1978, 14, 481-492.	5.0	35
196	On Adaptive Robust Control and Control-Relevant System Identification. , 1992, , .		35
197	On the Giant Component of Wireless Multihop Networks in the Presence of Shadowing. IEEE Transactions on Vehicular Technology, 2009, 58, 5152-5163.	6.3	35
198	Interconnections of nonlinear systems with "mixed" small gain and passivity properties and associated input-output stability results. Systems and Control Letters, 2009, 58, 289-295.	2.3	35

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199	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
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