

Richard H Middleton

List of Publications by Year in descending order

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253
papers

8,478
citations

70961

41
h-index

56606

83
g-index

258
all docs

258
docs citations

258
times ranked

4089
citing authors

#	ARTICLE	IF	CITATIONS
1	Lyapunov stability of grid-connected wind turbines with permanent magnet synchronous generator. European Journal of Control, 2022, 65, 100615.	1.6	6
2	Joint Resource Allocation to Minimize Execution Time of Federated Learning in Cell-Free Massive MIMO. IEEE Internet of Things Journal, 2022, 9, 21736-21750.	5.5	13
3	Plug-and-Play Network Reconfiguration Algorithms to Maintain Regularity and Low Network Reconfiguration Needs. , 2022, 6, 3451-3456.		3
4	Autonomous Synchronization of Heterogeneous Multiagent Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 940-950.	2.4	5
5	Understanding the dynamics of inter-provincial migration in the Mekong Delta, Vietnam: an agent-based modeling study. Simulation, 2021, 97, 267-285.	1.1	8
6	Straggler Effect Mitigation for Federated Learning in Cell-Free Massive MIMO. , 2021, , .		10
7	Scalability in Nonlinear Network Systems Affected by Delays and Disturbances. IEEE Transactions on Control of Network Systems, 2021, 8, 1128-1138.	2.4	12
8	Passive momentum observer for mechanical systems. IFAC-PapersOnLine, 2021, 54, 131-136.	0.5	3
9	On Grounding Additional Nodes in a Grounded Consensus Network. , 2021, , .		0
10	Plug-and-Play Networks: Adding Vertices and Connections to Preserve Algebraic Connectivity. , 2021, , .		1
11	Stepwise Tikhonov Regularisation: Application to the Prediction of HIV-1 Drug Resistance. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 292-301.	1.9	1
12	Matched Disturbance Rejection for a Class of Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 1710-1715.	3.6	15
13	Jitter Suppression for Very Low Latency Feedback Control Over NR. , 2020, , .		1
14	Statistical beam information for mmW positioning. , 2020, , .		0
15	Cell-Free Massive MIMO for Wireless Federated Learning. IEEE Transactions on Wireless Communications, 2020, 19, 6377-6392.	6.1	101
16	Climate change induced migration and the evolution of cooperation. Applied Mathematics and Computation, 2020, 377, 125090.	1.4	6
17	An analytical bound on the fleet size in vehicle routing problems: A dynamic programming approach. Operations Research Letters, 2020, 48, 350-355.	0.5	4
18	Globally Stable Delay Alignment for Feedback Control Over Wireless Multipoint Connections. IEEE Transactions on Control of Network Systems, 2020, 7, 1633-1642.	2.4	1

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19	Energy-Efficient Full-Duplex Enabled Cloud Radio Access Networks. IEICE Transactions on Communications, 2020, E103.B, 71-78.	0.4	1
20	On the Design of a Novel Control Algorithm and Communication Structure for Discrete-Time Multi-Agent Consensus Systems. , 2020, , .		2
21	Implementation and analysis of dynamic stability for bipedal robotic motion. , 2020, , .		0
22	Disruption via Grounding and Countermeasures in Discrete-Time Consensus Networks. IFAC-PapersOnLine, 2020, 53, 2944-2950.	0.5	3
23	Scalable Controller Design for Discrete-Time Multi-Agent Consensus Systems. , 2020, , .		1
24	Agent-based Modeling of Migration Dynamics in the Mekong Delta, Vietnam: Automated Calibration Using a Genetic Algorithm. , 2019, , .		3
25	Kinetic-Potential Energy Shaping for Mechanical Systems With Applications to Tracking. , 2019, 3, 960-965.		13
26	Feedback Control Applications in New Radio: Exploring Delay Control and Alignment. IEEE Vehicular Technology Magazine, 2019, 14, 70-77.	2.8	19
27	Sparse Representation Using Stepwise Tikhonov Regularization With Offline Computations. IEEE Signal Processing Letters, 2019, 26, 873-877.	2.1	0
28	Analysis of Robust Feedback Linearisation Control for Wind Turbines based on Permanent Magnet Synchronous Generator. , 2019, , .		0
29	Scalability and Fragility in Bounded-Degree Consensus Networks. IFAC-PapersOnLine, 2019, 52, 85-90.	0.5	13
30	Distributed Demand Peak Reduction With Non-Cooperative Players and Minimal Communication. IEEE Transactions on Smart Grid, 2019, 10, 153-162.	6.2	18
31	Networked Delay Control for 5G Wireless Machine-Type Communications Using Multiconnectivity. IEEE Transactions on Control Systems Technology, 2019, 27, 1510-1525.	3.2	23
32	Contract Farming in the Mekong Delta's Rice Supply Chain: Insights from an Agent-Based Modeling Study. Jasss, 2019, 22, .	1.0	20
33	Delay Skew Packet Flow Control in Wireless Systems With Dual Connectivity. IEEE Transactions on Vehicular Technology, 2018, 67, 5357-5371.	3.9	12
34	Consensus of Multiagents in Switching Networks Using Input-to-State Stability of Switched Systems. IEEE Transactions on Automatic Control, 2018, 63, 3964-3971.	3.6	34
35	LMI-Based Fixed Order Output Feedback Synthesis for Two-Dimensional Mixed Continuous-Discrete-Time Systems. IEEE Transactions on Automatic Control, 2018, 63, 960-972.	3.6	23
36	Stability of Grid-Connected Permanent Magnet Synchronous Generator-Based Wind Turbines. , 2018, , .		4

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37	Delay Alignment Control for 5G Multi Connectivity. , 2018, , .		2
38	Agent-based Modeling of Inter-provincial Migration in the Mekong Delta, Vietnam: A Data Analytics Approach. , 2018, , .		3
39	Robust integral action of port-Hamiltonian systems. IFAC-PapersOnLine, 2018, 51, 181-186.	0.5	8
40	Coordinated Control for Low Voltage Ride Through in PMSG Wind Turbines. IFAC-PapersOnLine, 2018, 51, 672-677.	0.5	4
41	Discontinuous energy shaping control of the Chaplygin sleigh. IFAC-PapersOnLine, 2018, 51, 211-216.	0.5	1
42	Energy Efficiency Maximization for Downlink Cloud Radio Access Networks With Data Sharing and Data Compression. IEEE Transactions on Wireless Communications, 2018, 17, 4955-4970.	6.1	21
43	Vehicular platoons in cyclic interconnections. Automatica, 2018, 94, 283-293.	3.0	26
44	The 56th IEEE Conference on Decision and Control [Conference Reports]. IEEE Control Systems, 2018, 38, 128-133.	1.0	0
45	Energy-Efficient Design for Downlink Cloud Radio Access Networks. , 2018, , .		0
46	Stability properties of a MIMO data flow controller. , 2018, , .		4
47	Spectral and Energy Efficiency Maximization for Content-Centric C-RANs With Edge Caching. IEEE Transactions on Communications, 2018, 66, 6628-6642.	4.9	24
48	A method for evaluating treatment quality using <i>in vivo</i> EPID dosimetry and statistical process control in radiation therapy. International Journal of Health Care Quality Assurance, 2017, 30, 90-102.	0.2	10
49	Integral Control of Port-Hamiltonian Systems: Nonpassive Outputs Without Coordinate Transformation. IEEE Transactions on Automatic Control, 2017, 62, 5947-5953.	3.6	31
50	Vehicular Platoons in cyclic interconnections with constant inter-vehicle spacing. IFAC-PapersOnLine, 2017, 50, 2511-2516.	0.5	9
51	From vehicular platoons to general networked systems: String stability and related concepts. Annual Reviews in Control, 2017, 44, 157-172.	4.4	71
52	Data Flow Delay Equalization for Feedback Control Applications Using 5G Wireless Dual Connectivity. , 2017, , .		10
53	Decentralized control for l 2 weak string stability of vehicle platoon. IFAC-PapersOnLine, 2017, 50, 15012-15017.	0.5	3
54	Fast Convergence Outer Loop Link Adaptation with Infrequent Updates in Steady State. , 2017, , .		9

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55	Joint Optimization of User Association, Data Delivery Rate and Precoding for Cache-Enabled F-RANs. , 2017, , .		7
56	Matched disturbance rejection for energy-shaping controlled underactuated mechanical systems. , 2017, , .		6
57	Agent-based simulation of contract rice farming in the Mekong Delta, Vietnam. , 2017, , .		2
58	Disturbance rejection properties for a 5G networked data flow delay controller. , 2017, , .		6
59	Investigation of a real-time EPID-based patient dose monitoring safety system using site-specific control limits. Radiation Oncology, 2016, 11, 106.	1.2	33
60	Consensus of a class of second-order nonlinear heterogeneous multi-agent systems with uncertainty and communication delay. International Journal of Robust and Nonlinear Control, 2016, 26, 3311-3329.	2.1	28
61	Switched Passivity-Based Control of the Chaplygin Sleigh. IFAC-PapersOnLine, 2016, 49, 1012-1017.	0.5	2
62	Asymptotic and exponential stability of nonlinear two-dimensional continuous-discrete Roesser models. Systems and Control Letters, 2016, 93, 35-42.	1.3	29
63	Leader following with non-homogeneous weights for control of vehicle formations. , 2016, , .		4
64	Robust asymptotic model matching and its application to output synchronization of heterogeneous multi-agent systems. Systems and Control Letters, 2016, 94, 37-45.	1.3	4
65	Cyclic interconnection for formation control of 1-D vehicle strings. European Journal of Control, 2016, 27, 36-44.	1.6	15
66	Ideal switched-model dynamic stability conditions for semi-quasi-Z-source inverters. Automatica, 2016, 63, 47-59.	3.0	9
67	Optimal control of a class of positive Markovian bilinear systems. Nonlinear Analysis: Hybrid Systems, 2016, 21, 155-170.	2.1	6
68	Robust stability and performance analysis of 2D mixed continuous-discrete-time systems with uncertainty. Automatica, 2016, 67, 233-243.	3.0	52
69	A General Framework for Robust Output Synchronization of Heterogeneous Nonlinear Networked Systems. IEEE Transactions on Automatic Control, 2016, 61, 2092-2107.	3.6	106
70	Overview: Collective Control of Multiagent Systems. IEEE Transactions on Control of Network Systems, 2016, 3, 334-347.	2.4	210
71	Consensus of a class of second-order nonlinear heterogeneous multi-agent systems with uniform time delay. , 2015, , .		2
72	Disturbance rejection via control by interconnection of port-Hamiltonian systems. , 2015, , .		15

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73	Static feedback design for 2D mixed continuous-discrete-time systems via LMIs. , 2015, , .		3
74	A cine-EPID based method for jaw detection and quality assurance for tracking jaw in IMRT/VMAT treatments. Physica Medica, 2015, 31, 16-24.	0.4	16
75	Beyond synchronization: String instability in coupled harmonic oscillator systems. International Journal of Robust and Nonlinear Control, 2015, 25, 2745-2769.	2.1	8
76	\mathcal{H}_∞ and \mathcal{H}_2 Norms of 2-D Mixed Continuous-Discrete-Time Systems via Rationally-Dependent Complex Lyapunov Functions. IEEE Transactions on Automatic Control, 2015, 60, 2614-2625.	3.6	29
77	Scalability of bidirectional vehicle strings with static and dynamic measurement errors. Automatica, 2015, 62, 208-212.	3.0	17
78	Distributed Load Management Using Additive Increase Multiplicative Decrease Based Techniques. Power Systems, 2015, , 173-202.	0.3	3
79	To boost or not to boost: Immune activation in HIV infection. , 2014, , .		1
80	Cyclic interconnection in 1-D vehicle formation control. , 2014, , .		0
81	Spatial Quantification of Cytosolic Calcium Accumulation in Nonexcitable Cells: An Analytical Study. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 592-603.	1.9	9
82	Switching Strategies to Mitigate HIV Mutation. IEEE Transactions on Control Systems Technology, 2014, 22, 1623-1628.	3.2	41
83	Passivity-based control for multi-vehicle systems subject to string constraints. Automatica, 2014, 50, 3224-3230.	3.0	78
84	Optimal anti-aliasing filter based on multi criteria sampled-data \mathcal{H}_∞ control. , 2014, , .		2
85	Equilibria and stability of a class of positive feedback loops. Journal of Mathematical Biology, 2014, 68, 609-645.	0.8	10
86	Convexity of the cost functional in an optimal control problem for a class of positive switched systems. Automatica, 2014, 50, 1227-1234.	3.0	79
87	An independent system for real-time dynamic multileaf collimation trajectory verification using EPID. Physics in Medicine and Biology, 2014, 59, 61-81.	1.6	14
88	Necessary and Sufficient LMI Conditions for Stability and Performance Analysis of 2-D Mixed Continuous-Discrete-Time Systems. IEEE Transactions on Automatic Control, 2014, 59, 996-1007.	3.6	77
89	Optimal real-time distributed V2G and G2V management of electric vehicles. International Journal of Control, 2014, 87, 1153-1162.	1.2	35
90	On the robust stability of 2D mixed continuous-discrete-time systems with uncertainty. , 2014, , .		2

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91	Leader tracking in homogeneous vehicle platoons with broadcast delays. <i>Automatica</i> , 2014, 50, 64-74.	3.0	132
92	Scalability of Bidirectional Vehicle Strings with Measurement Errors. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 9171-9176.	0.4	2
93	A convexity result for the optimal control of a class of positive nonlinear systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 1507-1512.	0.4	7
94	Lymph compartment models and HIV intra patient infection dynamics. , 2014, , .		0
95	On the ∞ Norm of 2D Mixed Continuous-Discrete-Time Systems via Rationally-Dependent Complex Lyapunov Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 5568-5573.	0.4	3
96	Optimal therapy scheduling for a simplified HIV infection model. <i>Automatica</i> , 2013, 49, 2874-2880.	3.0	45
97	A single compartment model of pacemaking in dissassociated Substantia nigra neurons. <i>Journal of Computational Neuroscience</i> , 2013, 35, 295-316.	0.6	10
98	Large-signal stability conditions for semi-quasi-Z-source inverters: Switched and averaged models. , 2013, , .		9
99	Stability of Two-Dimensional Linear Systems With Singularities on the Stability Boundary Using LMIs. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 2579-2590.	3.6	65
100	Energy-based control of bidirectional vehicle strings. , 2013, , .		3
101	Modeling the three stages in HIV infection. <i>Journal of Theoretical Biology</i> , 2013, 320, 33-40.	0.8	89
102	Application of nonlinear model predictive control to an industrial induction heating furnace. <i>Annual Reviews in Control</i> , 2013, 37, 271-277.	4.4	11
103	On-off based charging strategies for EVs connected to a Low Voltage distributon network. , 2013, , .		3
104	Two-dimensional analysis of string stability of nonlinear vehicle strings. , 2013, , .		7
105	A necessary and sufficient LMI condition for stability of 2D mixed continuous-discrete-time systems. , 2013, , .		2
106	Cumulative Signal Transmission in Nonlinear Reaction-Diffusion Networks. <i>PLoS ONE</i> , 2013, 8, e62834.	1.1	1
107	A Slow Axon Antidromic Blockade Hypothesis for Tremor Reduction via Deep Brain Stimulation. <i>PLoS ONE</i> , 2013, 8, e73456.	1.1	16
108	Asymptotic stability of two-dimensional continuous Roesser models with singularities at the stability boundary. , 2012, , .		2

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109	Numerical sensitivity of Linear Matrix Inequalities for shorter sampling periods. , 2012, , .		1
110	Analytic computation of the integrated response in nonlinear reaction-diffusion systems. , 2012, , .		3
111	Opportunities and Challenges in the Application of Nonlinear MPC to Industrial Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 39-49.	0.4	8
112	A Nonconservative LMI Condition for Stability of Switched Systems With Guaranteed Dwell Time. IEEE Transactions on Automatic Control, 2012, 57, 1297-1302.	3.6	138
113	Feedback motif for the pathogenesis of Parkinson's disease. IET Systems Biology, 2012, 6, 86.	0.8	23
114	AIMD-like algorithms for charging electric and plug-in hybrid vehicles. , 2012, , .		20
115	Numerical Sensitivity of Linear Matrix Inequalities Using Shift and Delta Operators. IEEE Transactions on Automatic Control, 2012, 57, 2874-2879.	3.6	26
116	Sub-optimal switching with dwell time constraints for control of viral mutation. , 2012, , .		5
117	A flexible distributed framework for realising electric and plug-in hybrid vehicle charging policies. International Journal of Control, 2012, 85, 1130-1145.	1.2	89
118	Positive feedback in the Akt/mTOR pathway and its implications for growth signal progression in skeletal muscle cells: An analytical study. Journal of Theoretical Biology, 2012, 301, 15-27.	0.8	5
119	On the Kamkeâ€“MÃ¼ller conditions, monotonicity and continuity for bi-modal piecewise-smooth systems. Systems and Control Letters, 2012, 61, 180-186.	1.3	1
120	Energetics of Ion Transport in Dopaminergic Substantia nigra Neurons. , 2012, , 81-109.		2
121	Efficient Localization for Robot Soccer Using Pattern Matching. Communications in Computer and Information Science, 2012, , 16-30.	0.4	1
122	Optimal adaptation of metabolic networks in dynamic equilibrium. , 2011, , .		1
123	Stabilization Over Power-Constrained Parallel Gaussian Channels. IEEE Transactions on Automatic Control, 2011, 56, 1718-1724.	3.6	32
124	Minimum Variance Control Over a Gaussian Communication Channel. IEEE Transactions on Automatic Control, 2011, 56, 1751-1765.	3.6	51
125	Conferences on Decision and Control [President's Message]. IEEE Control Systems, 2011, 31, 12-13.	1.0	0
126	Publications [President's Message]. IEEE Control Systems, 2011, 31, 11-12.	1.0	0

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127	Challenges and Future Directions [President's Message]. IEEE Control Systems, 2011, 31, 13-14.	1.0	1
128	The Half Century [President's Message]. IEEE Control Systems, 2011, 31, 12-15.	1.0	0
129	A mathematical study on immune activation and related dynamics in HIV infection. , 2011, , .		2
130	Towards Modeling HIV Long Term Behavior. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 581-586.	0.4	4
131	Optimal and MPC Switching Strategies for Mitigating Viral Mutation and Escape. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14857-14862.	0.4	20
132	Background Foreground Segmentation for SLAM. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1177-1183.	4.7	12
133	Computer simulation of structured treatment interruption for HIV infection. Computer Methods and Programs in Biomedicine, 2011, 104, 50-61.	2.6	15
134	Maximal controllability of input constrained unstable systems by the addition of implicit constraints. Automatica, 2011, 47, 2260-2266.	3.0	0
135	Discrete-time control for switched positive systems with application to mitigating viral escape. International Journal of Robust and Nonlinear Control, 2011, 21, 1093-1111.	2.1	309
136	Deep brain stimulation may reduce tremor by preferential blockade of slower axons via antidromic activation. , 2011, , .		4
137	Leader velocity tracking and string stability in homogeneous vehicle formations with a constant spacing policy. , 2011, , .		8
138	String instability in coupled harmonic oscillator systems. , 2011, , .		3
139	Continuous-time optimal control for switched positive systems with application to mitigating viral escape*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 266-271.	0.4	8
140	Rejection of fixed direction disturbances in multivariable electromechanical motion systems. Mechatronics, 2010, 20, 45-52.	2.0	2
141	Stabilization of continuous-time switched linear positive systems. , 2010, , .		30
142	Stabilization and Disturbance Attenuation Over a Gaussian Communication Channel. IEEE Transactions on Automatic Control, 2010, 55, 795-799.	3.6	78
143	Dynamic optimization algorithms to mitigate HIV escape. , 2010, , .		5
144	Computing upper-bounds of the minimum dwell time of linear switched systems via homogeneous polynomial Lyapunov functions. , 2010, , .		28

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145	String Instability in Classes of Linear Time Invariant Formation Control With Limited Communication Range. IEEE Transactions on Automatic Control, 2010, 55, 1519-1530.	3.6	231
146	Quantifying uncertainty, variability and likelihood for ordinary differential equation models. BMC Systems Biology, 2010, 4, 144.	3.0	14
147	Multiple Model Kalman Filters: A Localization Technique for RoboCup Soccer. Lecture Notes in Computer Science, 2010, , 276-287.	1.0	18
148	Understanding frequency & time domain polarisation methods for the insulation condition assessment of power transformers. , 2009, , .		20
149	Stabilization and performance over a Gaussian communication channel for a plant with time delay. , 2009, , .		2
150	A quadratic stability result for singular switched systems with application to anti-windup control. , 2009, , .		5
151	A small spiking neural network with LQR control applied to the acrobot. Neural Computing and Applications, 2009, 18, 369-375.	3.2	22
152	Sequential Activation of Metabolic Pathways: a Dynamic Optimization Approach. Bulletin of Mathematical Biology, 2009, 71, 1851-1872.	0.9	37
153	Feedback Stabilization Over a First Order Moving Average Gaussian Noise Channel. IEEE Transactions on Automatic Control, 2009, 54, 163-167.	3.6	41
154	Time headway requirements for string stability of homogeneous linear unidirectionally connected systems. , 2009, , .		61
155	Systems Biology: The interplay of systems and control research and biology?. , 2009, , .		0
156	Quadratic Stability and Singular SISO Switching Systems. IEEE Transactions on Automatic Control, 2009, 54, 2714-2718.	3.6	32
157	Null controllable sets of unstable systems and their application to MPC. , 2009, , .		1
158	Reduced parameterisation MPC for input-constrained unstable linear systems Part 2: Properties. , 2009, , .		1
159	Reduced parameterisation MPC for input-constrained unstable linear systems Part 1: Implementation. , 2009, , .		2
160	Fundamental limitations in control over a communication channel. Automatica, 2008, 44, 3147-3151.	3.0	78
161	Channel signal-to-noise ratio constrained feedback control: performance and robustness. IET Control Theory and Applications, 2008, 2, 595-605.	1.2	23
162	On Limitations to the Achievable Path Following Performance for Linear Multivariable Plants. IEEE Transactions on Automatic Control, 2008, 53, 2586-2601.	3.6	10

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163	Feedback control performance over a noisy communication channel. , 2008, , .		16
164	Best Achievable Tracking Performance in Sampled-Data Systems via LTI Controllers. IEEE Transactions on Automatic Control, 2008, 53, 2467-2479.	3.6	20
165	Minimum variance control over a Gaussian communication channel. , 2008, , .		14
166	Input disturbance rejection in channel signal-to-noise ratio constrained feedback control. , 2008, , .		7
167	A preliminary analysis of HIV infection dynamics. , 2008, , .		7
168	An Application of Gaussian Mixtures: Colour Segmenting for the Four Legged League Using HSI Colour Space. Lecture Notes in Computer Science, 2008, , 254-261.	1.0	6
169	Stabilization with disturbance attenuation over a Gaussian channel. , 2007, , .		31
170	A narrowband high frequency distributed power transformer model for partial discharge location. , 2007, , .		1
171	Output Feedback Sensitivity Functions Under Signal to Noise Ratio Constraint. Proceedings of the American Control Conference, 2007, , .	0.0	5
172	On AIMD Congestion Control in Multiple Bottleneck Networks. IEEE Communications Letters, 2007, 11, 631-633.	2.5	3
173	Practical implementation of a narrowband high frequency distributed model for locating partial discharge in a power transformer. , 2007, , .		4
174	Feedback Stabilization Over Signal-to-Noise Ratio Constrained Channels. IEEE Transactions on Automatic Control, 2007, 52, 1391-1403.	3.6	343
175	On the Achievable Delay Margin Using LTI Control for Unstable Plants. IEEE Transactions on Automatic Control, 2007, 52, 1194-1207.	3.6	103
176	Rolling Shutter Image Compensation. Lecture Notes in Computer Science, 2007, , 402-409.	1.0	16
177	Receding horizon control applied to optimal mine planning. Automatica, 2006, 42, 1337-1342.	3.0	33
178	On Limitations to the Achievable Path Tracking Performance for Linear Multivariable Plants. , 2006, , .		0
179	Fairness and Convergence Results for Additive-Increase Multiplicative-Decrease Multiple-Bottleneck Networks. , 2006, , .		4
180	Consistency in Ground Potential Rise Estimation Utilizing Fall of Potential Method Data. IEEE Transactions on Power Delivery, 2005, 20, 1226-1234.	2.9	7

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181	Extensions to Object Recognition in the Four-Legged League. Lecture Notes in Computer Science, 2005, , 274-285.	1.0	7
182	Unified, periodic & sampled data H_{∞} control using the delta operator. , 2004, , .		5
183	Tracking sensitivity and achievable H_{∞} performance in preview control. Automatica, 2004, 40, 1297-1306.	3.0	31
184	Low order sampled data H_{∞} control using the delta operator and LMIs. , 2004, , .		15
185	Traction Monitoring for Collision Detection with Legged Robots. Lecture Notes in Computer Science, 2004, , 374-384.	1.0	6
186	Networked control design for linear systems. Automatica, 2003, 39, 743-750.	3.0	254
187	Stability and switching control design issues for a class of discrete time hybrid systems. Automatica, 2003, 39, 981-987.	3.0	6
188	Switched Integrator Control Schemes for Integrating Plants. European Journal of Control, 2003, 9, 539-559.	1.6	11
189	Fundamental design limitations of the general control configuration. IEEE Transactions on Automatic Control, 2003, 48, 1355-1370.	3.6	63
190	Undershoot and settling time tradeoffs for nonminimum phase systems. IEEE Transactions on Automatic Control, 2003, 48, 1389-1393.	3.6	33
191	Guest editorial new developments and applications in performance limitation of feedback control. IEEE Transactions on Automatic Control, 2003, 48, 1297-1297.	3.6	21
192	Cheap control performance of a class of nonright-invertible nonlinear systems. IEEE Transactions on Automatic Control, 2002, 47, 1314-1319.	3.6	16
193	Robustness of decoupling with almost redundant inputs. , 2002, , .		0
194	Optimal tracking performance for SIMO systems. IEEE Transactions on Automatic Control, 2002, 47, 1770-1775.	3.6	38
195	Cheap control tracking performance for non-right-invertible systems. International Journal of Robust and Nonlinear Control, 2002, 12, 1253-1273.	2.1	14
196	Scaling and redundancy for ill-conditioned two input, two output plants. Automatica, 2002, 38, 499-505.	3.0	5
197	Switching controller design via convex polyhedral Lyapunov functions. Automatica, 2002, 38, 1439-1448.	3.0	3
198	Further results on localization-based switching adaptive control. Automatica, 2001, 37, 257-263.	3.0	23

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199	An integral constraint for single input two output feedback systems. <i>Automatica</i> , 2001, 37, 1717-1726.	3.0	13
200	Feedback limitations of linear sampled-data periodic digital control. <i>International Journal of Robust and Nonlinear Control</i> , 2000, 10, 729-745.	2.1	7
201	Convergence of Eigenvalues in State-Discretization of Linear Stochastic Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2000, 21, 1102-1111.	0.7	4
202	Localization based switching adaptive control for time-varying discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 752-755.	3.6	59
203	Slow stable open-loop poles: to cancel or not to cancel. <i>Automatica</i> , 1999, 35, 877-886.	3.0	24
204	Fundamental limitations due to $j\omega$ -axis zeros in SISO systems. <i>Automatica</i> , 1999, 35, 857-863.	3.0	42
205	Properties of single input, two output feedback systems. <i>International Journal of Control</i> , 1999, 72, 1446-1465.	1.2	40
206	L_2 -induced norms and frequency gains of sampled-data sensitivity operators. <i>IEEE Transactions on Automatic Control</i> , 1998, 43, 252-258.	3.6	12
207	Properties of single input, two output feedback systems. , 1998, , .		6
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