Richard H Middleton

List of Publications by Year
in descending order

253 papers	8,478 citations
70961	56606
41 h-index	83 g-index
258 all docs	258 docs citations
258 times ranked	4089 citing authors

#	Article	IF	Citations
1	Design issues in adaptive control. IEEE Transactions on Automatic Control, 1988, 33, 50-58.	3.6	518
2	Improved finite word length characteristics in digital control using delta operators. IEEE Transactions on Automatic Control, 1986, 31, 1015-1021.	3.6	391
3	Feedback Stabilization Over Signal-to-Noise Ratio Constrained Channels. IEEE Transactions on Automatic Control, 2007, 52, 1391-1403.	3.6	343
4	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
5	Adaptive computed torque control for rigid link manipulations. Systems and Control Letters, 1988, 10, 9-16.	1.3	301
6	Trade-offs in linear control system design. Automatica, 1991, 27, 281-292.	3.0	282
7	Rapprochement between continuous and discrete model reference adaptive control. Automatica, 1986, 22, 199-207.	3.0	274
8	Transient stability enhancement and voltage regulation of power systems. IEEE Transactions on Power Systems, 1993, 8, 620-627.	4.6	270
9	Networked control design for linear systems. Automatica, 2003, 39, 743-750.	3.0	254
10	Adaptive control of time-varying linear systems. IEEE Transactions on Automatic Control, 1988, 33, 150-155.	3.6	242
11	High-speed digital signal processing and control. Proceedings of the IEEE, 1992, 80, 240-259.	16.4	238
12	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
13	Overview: Collective Control of Multiagent Systems. IEEE Transactions on Control of Network Systems, 2016, 3, 334-347.	2.4	210
14	Modified least squares algorithm incorporating exponential resetting and forgetting. International Journal of Control, 1988, 47, 477-491.	1.2	181
15	Control of synchronous reluctance machines. IEEE Transactions on Industry Applications, 1993, 29, 1110-1122.	3.3	161
16	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
17	Leader tracking in homogeneous vehicle platoons with broadcast delays. Automatica, 2014, 50, 64-74.	3.0	132
18	A General Framework for Robust Output Synchronization of Heterogeneous Nonlinear Networked Systems. IEEE Transactions on Automatic Control, 2016, 61, 2092-2107.	3.6	106

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19	On the Achievable Delay Margin Using LTI Control for Unstable Plants. IEEE Transactions on Automatic Control, 2007, 52, 1194-1207.	3.6	103
20	Cell-Free Massive MIMO for Wireless Federated Learning. IEEE Transactions on Wireless Communications, 2020, 19, 6377-6392.	6.1	101
21	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
22	Modeling the three stages in HIV infection. Journal of Theoretical Biology, 2013, 320, 33-40.	0.8	89
23	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
24	Fundamental limitations in control over a communication channel. Automatica, 2008, 44, 3147-3151.	3.0	78
25	Stabilization and Disturbance Attenuation Over a Gaussian Communication Channel. IEEE Transactions on Automatic Control, 2010, 55, 795-799.	3.6	78
26	Passivity-based control for multi-vehicle systems subject to string constraints. Automatica, 2014, 50, 3224-3230.	3.0	78
27	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
28	From vehicular platoons to general networked systems: String stability and related concepts. Annual Reviews in Control, 2017, 44, 157-172.	4.4	71
29	The class of all stable unbiased state estimators. Systems and Control Letters, 1989, 13, 161-163.	1.3	68
30	Stability of Two-Dimensional Linear Systems With Singularities on the Stability Boundary Using LMIs. IEEE Transactions on Automatic Control, 2013, 58, 2579-2590.	3.6	65
31	Adaptive decoupling of multivariable systems. International Journal of Control, 1987, 46, 1993-2009.	1.2	64
32	Transient stabilization of power systems with an adaptive control law. Automatica, 1994, 30, 1409-1413.	3.0	63
33	Fundamental design limitations of the general control configuration. IEEE Transactions on Automatic Control, 2003, 48, 1355-1370.	3.6	63
34	Connection between continuous and discrete Riccati equations with applications to kalman filtering. IEE Proceedings D: Control Theory and Applications, 1988, 135, 28.	0.4	61
35	Inherent design limitations for linear sampled-data feedback systems. International Journal of Control, 1995, 61, 1387-1421.	1.2	61
36	Time headway requirements for string stability of homogeneous linear unidirectionally connected systems. , 2009, , .		61

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37	Non-pathological sampling for generalized sampled-data hold functions. Automatica, 1995, 31, 315-319.	3.0	59
38	Localization based switching adaptive control for time-varying discrete-time systems. IEEE Transactions on Automatic Control, 2000, 45, 752-755.	3.6	59
39	Robust stability and performance analysis of 2D mixed continuous–discrete-time systems with uncertainty. Automatica, 2016, 67, 233-243.	3.0	52
40	Minimum Variance Control Over a Gaussian Communication Channel. IEEE Transactions on Automatic Control, 2011, 56, 1751-1765.	3.6	51
41	Optimal therapy scheduling for a simplified HIV infection model. Automatica, 2013, 49, 2874-2880.	3.0	45
42	Fundamental limitations due to jω-axis zeros in SISO systems. Automatica, 1999, 35, 857-863.	3.0	42
43	Feedback Stabilization Over a First Order Moving Average Gaussian Noise Channel. IEEE Transactions on Automatic Control, 2009, 54, 163-167.	3.6	41
44	Switching Strategies to Mitigate HIV Mutation. IEEE Transactions on Control Systems Technology, 2014, 22, 1623-1628.	3.2	41
45	Properties of single input, two output feedback systems. International Journal of Control, 1999, 72, 1446-1465.	1.2	40
46	Optimal tracking performance for SIMO systems. IEEE Transactions on Automatic Control, 2002, 47, 1770-1775.	3.6	38
47	Sequential Activation of Metabolic Pathways: a Dynamic Optimization Approach. Bulletin of Mathematical Biology, 2009, 71, 1851-1872.	0.9	37
48	Optimal real-time distributed V2G and G2V management of electric vehicles. International Journal of Control, 2014, 87, 1153-1162.	1.2	35
49	Robustness of zero shifting via generalized sampled-data hold functions. IEEE Transactions on Automatic Control, 1997, 42, 1681-1692.	3.6	34
50	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
51	Undershoot and settling time tradeoffs for nonminimum phase systems. IEEE Transactions on Automatic Control, 2003, 48, 1389-1393.	3.6	33
52	Receding horizon control applied to optimal mine planning. Automatica, 2006, 42, 1337-1342.	3.0	33
53	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
54	An algorithm for multirate sampling adaptive control. IEEE Transactions on Automatic Control, 1989, 34, 792-795.	3.6	32

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55	Quadratic Stability and Singular SISO Switching Systems. IEEE Transactions on Automatic Control, 2009, 54, 2714-2718.	3.6	32
56	Stabilization Over Power-Constrained Parallel Gaussian Channels. IEEE Transactions on Automatic Control, 2011, 56, 1718-1724.	3.6	32
57	Tracking sensitivity and achievable Hˆž performance in preview control. Automatica, 2004, 40, 1297-1306.	3.0	31
58	Stabilization with disturbance attenuation over a Gaussian channel. , 2007, , .		31
59	Integral Control of Port-Hamiltonian Systems: Nonpassive Outputs Without Coordinate Transformation. IEEE Transactions on Automatic Control, 2017, 62, 5947-5953.	3.6	31
60	Stabilization of continuous-time switched linear positive systems. , 2010, , .		30
61	<inline-formula> <tex-math notation="TeX">${cal H}_{infty}$</tex-math></inline-formula> and <inline-formula> <tex-math notation="TeX">${cal H}_{2}$</tex-math></inline-formula> 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
62	Asymptotic and exponential stability of nonlinear two-dimensional continuousâ€"discrete Roesser models. Systems and Control Letters, 2016, 93, 35-42.	1.3	29
63	Computing upper-bounds of the minimum dwell time of linear switched systems via homogeneous polynomial Lyapunov functions. , 2010, , .		28
64	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
65	Numerical Sensitivity of Linear Matrix Inequalities Using Shift and Delta Operators. IEEE Transactions on Automatic Control, 2012, 57, 2874-2879.	3.6	26
66	Vehicular platoons in cyclic interconnections. Automatica, 2018, 94, 283-293.	3.0	26
67	Slow stable open-loop poles: to cancel or not to cancel. Automatica, 1999, 35, 877-886.	3.0	24
68	Spectral and Energy Efficiency Maximization for Content-Centric C-RANs With Edge Caching. IEEE Transactions on Communications, 2018, 66, 6628-6642.	4.9	24
69	Further results on localization-based switching adaptive control. Automatica, 2001, 37, 257-263.	3.0	23
70	Channel signal-to-noise ratio constrained feedback control: performance and robustness. IET Control Theory and Applications, 2008, 2, 595-605.	1.2	23
71	Feedback motif for the pathogenesis of Parkinson's disease. IET Systems Biology, 2012, 6, 86.	0.8	23
72	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

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73	Networked Delay Control for 5G Wireless Machine-Type Communications Using Multiconnectivity. IEEE Transactions on Control Systems Technology, 2019, 27, 1510-1525.	3.2	23
74	Global and semi-global stabilizability in certain cascade nonlinear systems. IEEE Transactions on Automatic Control, 1996, 41, 876-881.	3.6	22
75	A small spiking neural network with LQR control applied to the acrobot. Neural Computing and Applications, 2009, 18, 369-375.	3.2	22
76	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
77	Guest editorial new developments and applications in performance limitation of feedback control. IEEE Transactions on Automatic Control, 2003, 48, 1297-1297.	3.6	21
78	Best Achievable Tracking Performance in Sampled-Data Systems via LTI Controllers. IEEE Transactions on Automatic Control, 2008, 53, 2467-2479.	3.6	20
79	Understanding frequency &#x00026; time domain polarisation methods for the insulation condition assessment of power transformers. , 2009, , .		20
80	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
81	AIMD-like algorithms for charging electric and plug-in hybrid vehicles. , 2012, , .		20
82	Contract Farming in the Mekong Delta's Rice Supply Chain: Insights from an Agent-Based Modeling Study. Jasss, 2019, 22, .	1.0	20
83	Indirect Adaptive Control: An Integrated Approach. , 1988, , .		20
84	Feedback Control Applications in New Radio: Exploring Delay Control and Alignment. IEEE Vehicular Technology Magazine, 2019, 14, 70-77.	2.8	19
85	Distributed Demand Peak Reduction With Non-Cooperative Players and Minimal Communication. IEEE Transactions on Smart Grid, 2019, 10, 153-162.	6.2	18
86	Multiple Model Kalman Filters: A Localization Technique for RoboCup Soccer. Lecture Notes in Computer Science, 2010, , 276-287.	1.0	18
87	Control over a Bandwidth Limited Signal to Noise Ratio constrained Communication Channel. , 0, , .		17
88	Control over Signal-to-Noise Ratio Constrained Channels: Stabilization and Performance. , 0, , .		17
89	Scalability of bidirectional vehicle strings with static and dynamic measurement errors. Automatica, 2015, 62, 208-212.	3.0	17
90	Boundedness properties of simple, indirect adaptive-control systems. IEEE Transactions on Automatic Control, 1992, 37, 1989-1994.	3.6	16

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91	Cheap control performance of a class of nonright-invertible nonlinear systems. IEEE Transactions on Automatic Control, 2002, 47, 1314-1319.	3.6	16
92	Feedback control performance over a noisy communication channel. , 2008, , .		16
93	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
94	Rolling Shutter Image Compensation. Lecture Notes in Computer Science, 2007, , 402-409.	1.0	16
95	A Slow Axon Antidromic Blockade Hypothesis for Tremor Reduction via Deep Brain Stimulation. PLoS ONE, 2013, 8, e73456.	1.1	16
96	On the robustness of adaptive controllers using relative deadzones. Automatica, 1989, 25, 889-896.	3.0	15
97	Low order sampled data H/sub /spl infin// control using the delta operator and LMIs. , 2004, , .		15
98	Computer simulation of structured treatment interruption for HIV infection. Computer Methods and Programs in Biomedicine, 2011, 104, 50-61.	2.6	15
99	Disturbance rejection via control by interconnection of port-Hamiltonian systems. , 2015, , .		15
100	Cyclic interconnection for formation control of 1-D vehicle strings. European Journal of Control, 2016, 27, 36-44.	1.6	15
101	Matched Disturbance Rejection for a Class of Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 1710-1715.	3.6	15
102	Cheap control tracking performance for non-right-invertible systems. International Journal of Robust and Nonlinear Control, 2002, 12, 1253-1273.	2.1	14
103	Minimum variance control over a Gaussian communication channel. , 2008, , .		14
104	Quantifying uncertainty, variability and likelihood for ordinary differential equation models. BMC Systems Biology, 2010, 4, 144.	3.0	14
105	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
106	Study on the exponential path tracking control of robot manipulators via direct adaptive methods. Robotics and Autonomous Systems, 1992, 9, 271-282.	3.0	13
107	An integral constraint for single input two output feedback systems. Automatica, 2001, 37, 1717-1726.	3.0	13
108	Kinetic-Potential Energy Shaping for Mechanical Systems With Applications to Tracking. , 2019, 3, 960-965.		13

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109	Scalability and Fragility in Bounded-Degree Consensus Networks. IFAC-PapersOnLine, 2019, 52, 85-90.	0.5	13
110	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
111	L/sub 2/-induced norms and frequency gains of sampled-data sensitivity operators. IEEE Transactions on Automatic Control, 1998, 43, 252-258.	3.6	12
112	Background Foreground Segmentation for SLAM. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1177-1183.	4.7	12
113	Delay Skew Packet Flow Control in Wireless Systems With Dual Connectivity. IEEE Transactions on Vehicular Technology, 2018, 67, 5357-5371.	3.9	12
114	Scalability in Nonlinear Network Systems Affected by Delays and Disturbances. IEEE Transactions on Control of Network Systems, 2021, 8, 1128-1138.	2.4	12
115	Switched Integrator Control Schemes for Integrating Plants. European Journal of Control, 2003, 9, 539-559.	1.6	11
116	A comparison of Return voltage measurement and frequency domain spectroscopy test on high voltage insulation. , 0, , .		11
117	Application of nonlinear model predictive control to an industrial induction heating furnace. Annual Reviews in Control, 2013, 37, 271-277.	4.4	11
118	Indirect continuous time adaptive control. Automatica, 1987, 23, 793-795.	3.0	10
119	Adaptive control for robot manipulators using discrete time identification. IEEE Transactions on Automatic Control, 1990, 35, 633-637.	3.6	10
120	On Limitations to the Achievable Path Following Performance for Linear Multivariable Plants. IEEE Transactions on Automatic Control, 2008, 53, 2586-2601.	3.6	10
121	A single compartment model of pacemaking in dissasociated Substantia nigra neurons. Journal of Computational Neuroscience, 2013, 35, 295-316.	0.6	10
122	Equilibria and stability of a class of positive feedback loops. Journal of Mathematical Biology, 2014, 68, 609-645.	0.8	10
123	A method for evaluating treatment quality using *in vivo* EPID dosimetry and statistical process control in radiation therapy. International Journal of Health Care Quality Assurance, 2017, 30, 90-102.	0.2	10
124	Data Flow Delay Equalization for Feedback Control Applications Using 5G Wireless Dual Connectivity. , 2017, , .		10
125	Straggler Effect Mitigation for Federated Learning in Cell-Free Massive MIMO. , 2021, , .		10
126	The decay of stresses induced by flat rolling of metal strip. International Journal of Mechanical Sciences, 1993, 35, 897-907.	3.6	9

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127	Large-signal stability conditions for semi-quasi-Z-source inverters: Switched and averaged models. , 2013, , .		9
128	Spatial Quantification of Cytosolic Ca<inline-formula><tex-math>$^{2+}$</tex-math></inline-formula> Accumulation in Nonexcitable Cells:An Analytical Study. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 592-603.	1.9	9
129	Ideal switched-model dynamic stability conditions for semi-quasi-Z-source inverters. Automatica, 2016, 63, 47-59.	3.0	9
130	Vehicular Platoons in cyclic interconnections with constant inter-vehicle spacing. IFAC-PapersOnLine, 2017, 50, 2511-2516.	0.5	9
131	Fast Convergence Outer Loop Link Adaptation with Infrequent Updates in Steady State. , 2017, , .		9
132	Conditioning of LMS algorithms with fast sampling. IEEE Transactions on Signal Processing, 1995, 43, 1978-1981.	3.2	8
133	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
134	Leader velocity tracking and string stability in homogeneous vehicle formations with a constant spacing policy. , 2011, , .		8
135	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
136	Beyond synchronization: String instability in coupled harmonic oscillator systems. International Journal of Robust and Nonlinear Control, 2015, 25, 2745-2769.	2.1	8
137	Robust integral action of port-Hamiltonian systems. IFAC-PapersOnLine, 2018, 51, 181-186.	0.5	8
138	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
139	Feedback limitations of linear sampled-data periodic digital control. International Journal of Robust and Nonlinear Control, 2000, 10, 729-745.	2.1	7
140	Consistency in Ground Potential Rise Estimation Utilizing Fall of Potential Method Data. IEEE Transactions on Power Delivery, 2005, 20, 1226-1234.	2.9	7
141	Input disturbance rejection in channel signal-to-noise ratio constrained feedback control. , 2008, , .		7
142	A preliminary analysis of HIV infection dynamics. , 2008, , .		7
143	Two-dimensional analysis of string stability of nonlinear vehicle strings. , 2013, , .		7
144	A convexity result for the optimal control of a class of positive nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1507-1512.	0.4	7

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145	Joint Optimization of User Association, Data Delivery Rate and Precoding for Cache-Enabled F-RANs. , 2017, , .		7
146	Extensions to Object Recognition in the Four-Legged League. Lecture Notes in Computer Science, 2005, , 274-285.	1.0	7
147	Non-pathological sampling for high order generalised sampled-data hold functions. , 0, , .		6
148	Properties of single input, two output feedback systems. , 1998, , .		6
149	Stability and switching control design issues for a class of discrete time hybrid systems. Automatica, 2003, 39, 981-987.	3.0	6
150	Optimal control of a class of positive Markovian bilinear systems. Nonlinear Analysis: Hybrid Systems, 2016, 21, 155-170.	2.1	6
151	Matched disturbance rejection for energy-shaping controlled underactuated mechanical systems. , 2017, , .		6
152	Disturbance rejection properties for a 5G networked data flow delay controller. , 2017, , .		6
153	Climate change induced migration and the evolution of cooperation. Applied Mathematics and Computation, 2020, 377, 125090.	1.4	6
154	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
155	Traction Monitoring for Collision Detection with Legged Robots. Lecture Notes in Computer Science, 2004, , 374-384.	1.0	6
156	Lyapunov stability of grid-connected wind turbines with permanent magnet synchronous generator. European Journal of Control, 2022, 65, 100615.	1.6	6
157	Stable hybrid adaptive control. International Journal of Control, 1991, 53, 1377-1394.	1.2	5
158	Scaling and redundancy for ill-conditioned two input, two output plants. Automatica, 2002, 38, 499-505.	3.0	5
159	Unified, periodic & sampled data H/sub /spl infin// control using the delta operator. , 2004, , .		5
160	Output Feedback Sensitivity Functions Under Signal to Noise Ratio Constraint. Proceedings of the American Control Conference, 2007, , .	0.0	5
161	A quadratic stability result for singular switched systems with application to anti-windup control. , 2009, , .		5
162	Dynamic optimization algorithms to mitigate HIV escape. , 2010, , .		5

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163	Sub-optimal switching with dwell time constraints for control of viral mutation. , 2012, , .		5
164	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
165	Autonomous Synchronization of Heterogeneous Multiagent Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 940-950.	2.4	5
166	Continuous and Discrete Adaptive Control. Control and Dynamic Systems, 1987, , 151-185.	0.1	4
167	Frequency response of generalized sampled-data hold functions. , 0, , .		4
168	Convergence of Eigenvalues in State-Discretization of Linear Stochastic Systems. SIAM Journal on Matrix Analysis and Applications, 2000, 21, 1102-1111.	0.7	4
169	Best achievable tracking performance in sampled-data control systems. , 0, , .		4
170	Fairness and Convergence Results for Additive-Increase Multiplicative-Decrease Multiple-Bottleneck Networks. , 2006, , .		4
171	Practical implementation of a narrowband high frequency distributed model for locating partial discharge in a power transformer. , 2007, , .		4
172	Towards Modeling HIV Long Term Behavior. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 581-586.	0.4	4
173	Deep brain stimulation may reduce tremor by preferential blockade of slower axons via antidromic activation. , 2011, , .		4
174	Leader following with non-homogeneous weights for control of vehicle formations. , 2016, , .		4
175	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
176	Stability of Grid-Connected Permanent Magnet Synchronous Generator-Based Wind Turbines. , 2018, , .		4
177	Coordinated Control for Low Voltage Ride Through in PMSG Wind Turbines. IFAC-PapersOnLine, 2018, 51, 672-677.	0.5	4
178	Stability properties of a MIMO data flow controller. , 2018, , .		4
179	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
180	Example applications of an integrated indirect adaptive design technique. International Journal of Adaptive Control and Signal Processing, 1989, 3, 143-154.	2.3	3

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181	Model of cold rolling of thin metal sheets between nonparallel rolls. Applied Mathematical Modelling, 1994, 18, 362-372.	2.2	3
182	Switching controller design via convex polyhedral Lyapunov functions. Automatica, 2002, 38, 1439-1448.	3.0	3
183	On AIMD Congestion Control in Multiple Bottleneck Networks. IEEE Communications Letters, 2007, 11, 631-633.	2.5	3
184	String instability in coupled harmonic oscillator systems. , 2011, , .		3
185	Analytic computation of the integrated response in nonlinear reaction-diffusion systems. , 2012, , .		3
186	Energy-based control of bidirectional vehicle strings. , 2013, , .		3
187	On-off based charging strategies for EVs connected to a Low Voltage distributon network. , 2013, , .		3
188	On the â„‹ âˆž Norm of 2D Mixed Continuous-Discrete-Time Systems via Rationally-Dependent Complex Lyapunov Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5568-5573.	0.4	3
189	Static feedback design for 2D mixed continuous-discrete-time systems via LMIs. , 2015, , .		3
190	Decentralized control for l 2 weak string stability of vehicle platoon. IFAC-PapersOnLine, 2017, 50, 15012-15017.	0.5	3
191	Agent-based Modeling of Inter-provincial Migration in the Mekong Delta, Vietnam: A Data Analytics Approach. , 2018, , .		3
192	Agent-based Modeling of Migration Dynamics in the Mekong Delta, Vietnam: Automated Calibration Using a Genetic Algorithm. , 2019, , .		3
193	Distributed Load Management Using Additive Increase Multiplicative Decrease Based Techniques. Power Systems, 2015, , 173-202.	0.3	3
194	Disruption via Grounding and Countermeasures in Discrete-Time Consensus Networks. IFAC-PapersOnLine, 2020, 53, 2944-2950.	0.5	3
195	Passive momentum observer for mechanical systems. IFAC-PapersOnLine, 2021, 54, 131-136.	0.5	3
196	Plug-and-Play Network Reconfiguration Algorithms to Maintain Regularity and Low Network Reconfiguration Needs. , 2022, 6, 3451-3456.		3
197	On the use of switching control for systems with bounded disturbances. , 0, , .		2
198	A new method based on wavelet packet transformation to reduce narrow band noise in on-site PD measurement. , 0, , .		2

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199	Stabilization and performance over a Gaussian communication channel for a plant with time delay. , 2009, , .		2
200	Rejection of fixed direction disturbances in multivariable electromechanical motion systems. Mechatronics, 2010, 20, 45-52.	2.0	2
201	A mathematical study on immune activation and related dynamics in HIV infection. , 2011, , .		2
202	Asymptotic stability of two-dimensional continuous Roesser models with singularities at the stability boundary. , 2012, , .		2
203	A necessary and sufficient LMI condition for stability of 2D mixed continuous-discrete-time systems. , 2013, , .		2
204	Optimal anti-aliasing filter based on multi criteria sampled-data $\mathcal{H}_\infty$ control. , 2014, , .		2
205	On the robust stability of 2D mixed continuous-discrete-time systems with uncertainty. , 2014, , .		2
206	Scalability of Bidirectional Vehicle Strings with Measurement Errors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9171-9176.	0.4	2
207	Consensus of a class of second-order nonlinear heterogeneous multi-agent systems with uniform time delay. , 2015, , .		2
208	Switched Passivity—Based Control of the Chaplygin Sleigh. IFAC-PapersOnLine, 2016, 49, 1012-1017.	0.5	2
209	Agent-based simulation of contract rice farming in the Mekong Delta, Vietnam. , 2017, , .		2
210	Delay Alignment Control for 5G Multi Connectivity. , 2018, , .		2
211	Energetics of Ion Transport in Dopaminergic Substantia nigra Neurons. , 2012, , 81-109.		2
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