Michael Z Q Chen

List of Publications by Year
in descending order

206 papers	8,435 citations	36303 51 h-index	51608 86 g-index
208 all docs	208 docs citations	208 times ranked	5249 citing authors

#	Article	IF	Citations
1	Seismic response mitigation of a wind turbine via inerter-based structural control. Bulletin of Earthquake Engineering, 2023, 21, 1361-1388.	4.1	10
2	Achievable dynamic responses of general undamped mass-chain systems. Mechanical Systems and Signal Processing, 2022, 163, 108108.	8.0	5
3	Design and Assessment of Sweep Coverage Algorithms for Multiagent Systems With Online Learning Strategies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5494-5505.	9.3	5
4	On the positive stabilizability of sampled positive systems. International Journal of Robust and Nonlinear Control, 2022, 32, 1113-1142.	3.7	2
5	On Realizability of Specific Biquadratic Impedances as Three-Reactive Seven-Element Series–Parallel Networks for Inerter-Based Mechanical Control. IEEE Transactions on Automatic Control, 2021, 66, 340-345.	5.7	8
6	Special Issue on "Advances in Condition Monitoring, Optimization and Control for Complex Industrial Processes" Processes, 2021, 9, 664.	2.8	15
7	Application of semi-active inerter in a two-body point absorber via force tracking. Transactions of the Institute of Measurement and Control, 2021, 43, 2809-2817.	1.7	3
8	Instability analysis for semi-active control systems with semi-active inerters. Nonlinear Dynamics, 2021, 105, 99-112.	5.2	11
9	Passive mechanical realizations of bicubic impedances with no more than five elements for inerter-based control design. Journal of the Franklin Institute, 2021, 358, 5353-5385.	3.4	3
10	Vortex-Induced Vibration Suppression of Bridges by Inerter-Based Dynamic Vibration Absorbers. Shock and Vibration, 2021, 2021, 1-18.	0.6	2
11	Observer-based discrete-time sliding mode control for systems with unmatched uncertainties. Journal of the Franklin Institute, 2021, 358, 8470-8470.	3.4	7
12	Structural control of floating offshore wind turbines with inerter-based low-order mechanical networks. , 2021, , .		1
13	On the critical value for the modified algebraic Riccati inequality. , 2021, , .		0
14	Pinning a Complex Network to Follow a Target System With Predesigned Control Inputs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2293-2304.	9.3	36
15	Controllability of heterogeneous multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 512-525.	3.7	5
16	Structural control for a barge-type floating offshore wind turbine with a skyhook inerter configuration. , 2020, , .		0
17	Seismic Isolation Performance Evaluation for a Class of Inerter-Based Low-Complexity Isolators. Shock and Vibration, 2020, 2020, 1-12.	0.6	4
18	Hyperplane design for discrete-time sliding mode control with event-trigger strategy and disturbance observer. IET Control Theory and Applications, 2020, 14, 1003-1011.	2.1	5

#	Article	IF	Citations
19	Dimensionless analysis on the wave energy conversion of a semi-active inerter-based two-body point absorber. , 2020, , .		0
20	Interacting Multiple Model Estimator for Networked Control Systems: Stability, Convergence, and Performance. IEEE Transactions on Automatic Control, 2019, 64, 928-943.	5.7	39
21	Semi-Global Output Consensus for Discrete-Time Switching Networked Systems Subject to Input Saturation and External Disturbances. IEEE Transactions on Cybernetics, 2019, 49, 3934-3945.	9.5	86
22	Steady-State Analysis and Output Voltage Minimization Based Control Strategy for Electric Springs in the Smart Grid with Multiple Renewable Energy Sources. Complexity, 2019, 2019, 1-12.	1.6	3
23	Advanced Mathematical and Numerical Methods in Control and Optimization for Smart Grids. Mathematical Problems in Engineering, 2019, 2019, 1-2.	1.1	0
24	When joggers meet robots: the past, present, and future of research on humanoid robots. Bio-Design and Manufacturing, 2019, 2, 108-118.	7.7	13
25	A variable stiffness gripper based on differential drive particle jamming. Bioinspiration and Biomimetics, 2019, 14, 036009.	2.9	54
26	Inerter-Based Dynamic Vibration Absorption System. , 2019, , 73-101.		0
27	Stability analysis for active control with a sky-hook and ground-hook inerter-damper configuration. , 2019, , .		0
28	Robustness Analysis of a Continuous Higher Order Finite-Time Control System Under Sampled-Data Control. IEEE Transactions on Automatic Control, 2019, 64, 2488-2494.	5.7	47
29	Distributed sweep coverage algorithm of multi-agent systems using workload memory. Systems and Control Letters, 2019, 124, 75-82.	2.3	9
30	Sampled-Data Control With Adjustable Switching Frequency for DC–DC Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 8060-8071.	7.9	16
31	Robust Adaptive Tracking Control for Quadrotors by Combining PI and Self-Tuning Regulator. IEEE Transactions on Control Systems Technology, 2019, 27, 2663-2671.	5.2	43
32	Quantized Consensus of Multi-Agent Networks With Sampled Data and Markovian Interaction Links. IEEE Transactions on Cybernetics, 2019, 49, 1816-1825.	9.5	31
33	Inerter and Its Application in Vibration Control Systems. , 2019, , .		32
34	Passive Controller Realization of a Biquadratic Impedance With Double Poles and Zeros as a Seven-Element Series–Parallel Network for Effective Mechanical Control. IEEE Transactions on Automatic Control, 2018, 63, 3010-3015.	5.7	13
35	Local Consensus of Nonlinear Multiagent Systems With Varying Delay Coupling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2462-2469.	9.3	58
36	Natural frequency assignment for mass-chain systems with inerters. Mechanical Systems and Signal Processing, 2018, 108, 126-139.	8.0	32

#	Article	IF	Citations
37	Inerter-based semi-active suspensions with low-order mechanical admittance via network synthesis. Transactions of the Institute of Measurement and Control, 2018, 40, 4233-4245.	1.7	22
38	Nonfragile State Estimation of Quantized Complex Networks With Switching Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5111-5121.	11.3	78
39	On the Virtual Joints for Kinematic Control of Redundant Manipulators With Multiple Constraints. IEEE Transactions on Control Systems Technology, 2018, 26, 65-76.	5.2	21
40	Controllability of Dynamic-Edge Multi-Agent Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 857-867.	3.7	17
41	Droop Control for PV Sources in DC Microgrids. IEEE Transactions on Power Electronics, 2018, 33, 7708-7720.	7.9	38
42	Event‐based asynchronous communication and sampled control for synchronization of multiagent networks with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 1871-1885.	3.7	4
43	Stochastic feedback coupling synchronization of networked harmonic oscillators. Automatica, 2018, 87, 404-411.	5.0	26
44	Achievable Dynamic Response for Vehicle Suspensions with Acceleration Measurements. , 2018, , .		2
45	Load mitigation for a barge-type floating offshore wind turbine via inerter-based passive structural control. Engineering Structures, 2018, 177, 198-209.	5.3	126
46	Connectivity-Based Accessibility for Public Bicycle Sharing Systems. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1521-1532.	5.2	11
47	An interactive control architecture for interpersonal coordination in mirror game. Control Engineering Practice, 2018, 80, 36-48.	5.5	4
48	Positive Edge Consensus of Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2242-2250.	9.3	93
49	Low-Complexity Passive Vehicle Suspension Design Based on Element-Number-Restricted Networks and Low-Order Admittance Networks. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	11
50	Sliding-Mode Control of Memristive Chua's Systems via the Event-Based Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 81-85.	3.0	50
51	Semiactive Inerter and Its Application in Adaptive Tuned Vibration Absorbers. IEEE Transactions on Control Systems Technology, 2017, 25, 294-300.	5.2	83
52	Observer-Based Consensus Tracking of Nonlinear Agents in Hybrid Varying Directed Topology. IEEE Transactions on Cybernetics, 2017, 47, 2212-2222.	9.5	121
53	Hybrid Sequential Fusion Estimation for Asynchronous Sensor Network-Based Target Tracking. IEEE Transactions on Control Systems Technology, 2017, 25, 669-676.	5.2	44
54	Fuzzy Control for Uncertain Vehicle Active Suspension Systems via Dynamic Sliding-Mode Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 24-32.	9.3	208

#	Article	IF	Citations
55	Approximate-master-equation approach for the Kinouchi-Copelli neural model on networks. Physical Review E, 2017, 95, 012310.	2.1	10
56	Facile synthesis and characterization of magnetochromatic Fe_3O_4 nanoparticles. AIP Advances, 2017, 7, .	1.3	19
57	Adaptive Neural-Fuzzy Sliding-Mode Fault-Tolerant Control for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2268-2278.	9.3	76
58	Bioinspired Robotic Fingers Based on Pneumatic Actuator and 3D Printing of Smart Material. Soft Robotics, 2017, 4, 147-162.	8.0	176
59	Distributed estimation and control for two-target tracking mobile sensor networks. Journal of the Franklin Institute, 2017, 354, 2994-3007.	3.4	34
60	Takagiâ€"Sugeno Fuzzy Model Based Fault Estimation and Signal Compensation With Application to Wind Turbines. IEEE Transactions on Industrial Electronics, 2017, 64, 5678-5689.	7.9	127
61	Realization of a transfer function as a passive twoâ€port RC ladder network with a specified gain. International Journal of Circuit Theory and Applications, 2017, 45, 1467-1481.	2.0	7
62	Active structural control for load mitigation of wind turbines via adaptive sliding-mode approach. Journal of the Franklin Institute, 2017, 354, 4311-4330.	3.4	31
63	Controllability emerging from conditional path reachability in complex networks. International Journal of Robust and Nonlinear Control, 2017, 27, 4919-4930.	3.7	7
64	A Unified Approach for Second-Order Control of the Manipulator With Joint Physical Constraints. Journal of Mechanisms and Robotics, 2017, 9, .	2.2	3
65	Synchronization of linear dynamical networks under stochastic impulsive coupling protocols. Journal of the Franklin Institute, 2017, 354, 4882-4895.	3.4	8
66	Comfort-oriented vehicle suspension design with skyhook inerter configuration. Journal of Sound and Vibration, 2017, 405, 34-47.	3.9	100
67	A novel body frame based approach to aerospacecraft attitude tracking. ISA Transactions, 2017, 70, 228-237.	5.7	9
68	Coordinated Active Power Dispatch for a Microgrid via Distributed Lambda Iteration. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 250-261.	3.6	37
69	Stabilisation of nonâ€linear DISS systems with uncertainty via encoded feedback. IET Control Theory and Applications, 2017, 11, 732-739.	2.1	1
70	Inerter-based passive structural control for load mitigation of wind turbines. , 2017, , .		4
71	Sensor fusion: A review of methods and applications. , 2017, , .		50
72	A novel three-axis visual attitude estimation algorithm with application to quadrotors. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Evolutionary fate of memory-one strategies in repeated prisoner's dilemma game in structured populations. European Physical Journal B, 2017, 90, 1.	1.5	9
74	A decentralized control strategy for photovoltaic sources to unify MPPT and DC-bus voltage regulation. , 2017, , .		6
75	Load Following of Multiple Heterogeneous TCL Aggregators by Centralized Control. IEEE Transactions on Power Systems, 2017, 32, 3157-3167.	6.5	80
76	Demand Response Load Following of Source and Load Systems. IEEE Transactions on Control Systems Technology, 2017, 25, 1586-1598.	5.2	44
77	The dual algebraic Riccati equations and the set of all solutions of the discrete-time Riccati equation. International Journal of Control, 2017, 90, 1371-1388.	1.9	3
78	Moving Horizon Estimation for Mobile Robots With Multirate Sampling. IEEE Transactions on Industrial Electronics, 2017, 64, 1457-1467.	7.9	62
79	Realization of Biquadratic Impedances as Five-Element Bridge Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1599-1611.	5.4	15
80	Distributed Bounds on the Algebraic Connectivity of Graphs With Application to Agent Networks. IEEE Transactions on Cybernetics, 2017, 47, 2121-2131.	9.5	24
81	Characterizations and Criteria for Synchronization of Heterogeneous Networks to Linear Subspaces. SIAM Journal on Control and Optimization, 2017, 55, 4048-4071.	2.1	29
82	When joggers meet robots: A preliminary study on foot strike patterns. , 2017, , .		1
83	Performance optimization for inerter-based double wishbone suspension system. , 2017, , .		0
84	Passive structural control with inerters for a floating offshore wind turbine. , 2017, , .		4
85	Control of Networked Systems with Engineering Applications. Mathematical Problems in Engineering, 2016, 2016, 1-2.	1.1	0
86	Further results on finite-time consensus of second-order multi-agent systems without velocity measurements. International Journal of Robust and Nonlinear Control, 2016, 26, 3170-3185.	3.7	33
87	Event-based global stabilization of linear systems via a saturated linear controller. International Journal of Robust and Nonlinear Control, 2016, 26, 1073-1091.	3.7	53
88	Preparation and optimization of a molybdenum electrode for CIGS solar cells. AIP Advances, 2016, 6, .	1.3	11
89	On the uniqueness of the almost stabilizing solution of the modified algebraic Riccati equation. , 2016, , .		3
90	A soft stretchable bending sensor and data glove applications. Robotics and Biomimetics, 2016, 3, 22.	1.7	61

#	ARTICLE	IF	CITATIONS
91	Application of Semi-Active Inerter in Semi-Active Suspensions Via Force Tracking. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.6	50
92	Swarming of heterogeneous multi-agent systems with periodically intermittent control. Neurocomputing, 2016, 207, 213-219.	5.9	22
93	New results on anti-synchronization of switched neural networks with time-varying delays and lag signals. Neural Networks, 2016, 81, 52-58.	5.9	24
94	Distributed estimation and control for mobile sensor networks with coupling delays. ISA Transactions, 2016, 64, 141-150.	5.7	35
95	Finite-time consensus of second-order multi-agent systems via a structural approach. Journal of the Franklin Institute, 2016, 353, 3876-3896.	3.4	19
96	Robustness of Controllability for Scale-free Networks Based on a Nonlinear Load-Capacity Model**This work is supported by the National Natural Science Foundation of China under Grant Nos. 61374053 and 61473016, HKU Conference and Research Council under Grant 201411159037, and the Fundamental Research Funds for the Central Universities YWF-15-ZDHXY-001.. IFAC-PapersOnLine, 2016, 49, 37-42.	0.9	1
97	A weighted adaptive-velocity self-organizing model and its high-speed performance. Neurocomputing, 2016, 216, 402-408.	5.9	11
98	Performance benefits in passive vessel suspensions employing inerters. , 2016, , .		3
99	Structural controllability analysis of complex networks. , 2016, , .		3
100	Solving the Dynamic Correlation Problem of the Susceptible-Infected-Susceptible Model on Networks. Physical Review Letters, 2016, 116, 258301.	7.8	67
101	A novel current control strategy for three-phase gird-connected inverters. , 2016, , .		0
102	Minimization of the beam response using inerter-based passive vibration control configurations. International Journal of Mechanical Sciences, 2016, 119, 80-87.	6.7	63
103	A biomechanical model of human muscular-skeletal system with inertial effects. , 2016, , .		1
104	Observer-based semi-global consensus of discrete-time multi-agent systems with input saturation. Transactions of the Institute of Measurement and Control, 2016, 38, 665-674.	1.7	30
105	Kinetic regulation of multi-ligand binding proteins. BMC Systems Biology, 2016, 10, 32.	3.0	2
106	A generalized theorem of Reichert for biquadratic minimum functions. International Journal of Circuit Theory and Applications, 2016, 44, 1840-1858.	2.0	2
107	The synchronization of instantaneously coupled harmonic oscillators using sampled data with measurement noise. Automatica, 2016, 66, 155-162.	5.0	62
108	Event-triggered control for semi-global stabilisation of systems with actuator saturation. International Journal of Control, 2016, 89, 1047-1064.	1.9	31

#	ARTICLE	IF	CITATIONS
109	Consensus networks with time-delays over finite fields. International Journal of Control, 2016, 89, 1000-1008.	1.9	17
110	Consensus networks with switching topology and time-delays over finite fields. Automatica, 2016, 68, 39-43.	5.0	50
111	Hierarchical Fusion Estimation for Clustered Asynchronous Sensor Networks. IEEE Transactions on Automatic Control, 2016, 61, 3064-3069.	5.7	53
112	Chattering-free discrete-time sliding mode control. Automatica, 2016, 68, 87-91.	5.0	257
113	Stabilizing Solution and Parameter Dependence of Modified Algebraic Riccati Equation With Application to Discrete-Time Network Synchronization. IEEE Transactions on Automatic Control, 2016, 61, 228-233.	5.7	96
114	Flocking of networked Eulerâ€"Lagrange systems with uncertain parameters and time-delays under directed graphs. Nonlinear Dynamics, 2016, 85, 415-424.	5.2	26
115	A Switching Approach to Designing Finite-Time Synchronization Controllers of Coupled Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 471-482.	11.3	140
116	Cluster consensus for second-order mobile multi-agent systems via distributed adaptive pinning control under directed topology. Nonlinear Dynamics, 2016, 83, 1975-1985.	5.2	30
117	Event-Triggered Masterâ€"Slave Synchronization With Sampled-Data Communication. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 304-308.	3.0	101
118	Simultaneous Identification and Stabilization of Nonlinearly Parameterized Discrete-Time Systems by Nonlinear Least Squares Algorithm. IEEE Transactions on Automatic Control, 2016, 61, 1810-1823.	5.7	13
119	Development of a novel in-pipe walking robot. , 2015, , .		8
120	Nonlinearities in landing gear model incorporating inerter. , 2015, , .		12
121	Synthesis of <i>n</i>â€port resistive networks containing <i>2n</i> terminals. International Journal of Circuit Theory and Applications, 2015, 43, 427-437.	2.0	23
122	Modeling and Control of Complex Dynamic Systems 2014. Journal of Applied Mathematics, 2015, 2015, 1-2.	0.9	0
123	Coordinated Control and Estimation of Multiagent Systems with Engineering Applications. Mathematical Problems in Engineering, 2015, 2015, 1-2.	1.1	0
124	Distributed adaptive output regulation controllers of heterogeneous linear multi-agent systems with directed graphs. , 2015, , .		1
125	Joint unscented Kalman filter for dual estimation in a bifilar pendulum for a small UAV. , 2015, , .		3
126	Performance optimization for passive suspensions with one damper one inerter and three springs. , 2015, , .		2

#	Article	IF	Citations
127	Global bounded consensus of general nonidentical networks with distributed time-delays. , 2015, , .		1
128	An inerter-based electromagnetic device and its application in vehicle suspensions. , 2015, , .		4
129	Semi-active suspensions with low-order mechanical admittances incorporating inerters. , 2015, , .		2
130	Synthesis of transfer functions as two-port RC ladder networks with specified gains. , 2015, , .		1
131	Design of a one-motor tree-climbing robot. , 2015, , .		4
132	Robotics in ecommerce logistics. HKIE Transactions, 2015, 22, 68-77.	0.1	33
133	Passive Mechanical Control With a Special Class of Positive Real Controllers: Application to Passive Vehicle Suspensions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	11
134	Application of inerter to aircraft landing gear suspension. , 2015, , .		19
135	Effect of play in inerter on vehicle suspension system. , 2015, , .		2
136	Performance evaluation for inerter-based dynamic vibration absorbers. International Journal of Mechanical Sciences, 2015, 99, 297-307.	6.7	209
137	Soft robotics for engineers. HKIE Transactions, 2015, 22, 88-97.	0.1	36
138	Multiâ€agent containment control with input saturation on switching topologies. IET Control Theory and Applications, 2015, 9, 399-409.	2.1	106
139	Global bounded consensus in heterogeneous multiâ€agent systems with directed communication graph. IET Control Theory and Applications, 2015, 9, 147-152.	2.1	27
140	Minimal Realizations of Three-Port Resistive Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 986-994.	5.4	23
141	Eventâ€based synchronisation of linear discreteâ€time dynamical networks. IET Control Theory and Applications, 2015, 9, 755-765.	2.1	79
142	Performance Benefits of Using Inerter in Semiactive Suspensions. IEEE Transactions on Control Systems Technology, 2015, 23, 1571-1577.	5.2	88
143	Analysis and optimisation for inerter-based isolators via fixed-point theory and algebraic solution. Journal of Sound and Vibration, 2015, 346, 17-36.	3.9	170
144	Bounded synchronization of a heterogeneous complex switched network. Automatica, 2015, 56, 19-24.	5.0	96

#	Article	IF	Citations
145	Multiplexed model predictive control for active vehicle suspensions. International Journal of Control, 2015, 88, 347-363.	1.9	37
146	Synchronization in Moving Pulse-Coupled Oscillator Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2544-2554.	5.4	22
147	Global coordinated tracking of multi-agent systems with disturbance uncertainties via bounded control inputs. Nonlinear Dynamics, 2015, 82, 2059-2068.	5.2	24
148	Realization of Three-Port Spring Networks With Inerter for Effective Mechanical Control. IEEE Transactions on Automatic Control, 2015, 60, 2722-2727.	5.7	35
149	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. Automatica, 2015, 62, 236-242.	5.0	162
150	Unknown Input Observer Based Robust Fault Estimation for Systems Corrupted by Partially-Decoupled Disturbances. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	7.9	161
151	Semi-global containment control of multi-agent systems with intermittent input saturation. Journal of the Franklin Institute, 2015, 352, 3504-3525.	3.4	90
152	Robust semi-global coordinated tracking of linear multi-agent systems with input saturation. International Journal of Robust and Nonlinear Control, 2015, 25, 2375-2390.	3.7	94
153	A Systems Model of Phosphorylation for Inflammatory Signaling Events. PLoS ONE, 2014, 9, e110913.	2.5	8
154	Swarm aggregations of heterogeneous multi-agent systems. International Journal of Control, 2014, 87, 2594-2603.	1.9	4
155	Optimal control of single spin−1/2 quantum systems. IET Control Theory and Applications, 2014, 8, 86-93.	2.1	11
156	Semi−global containment control of multi−agent systems with input saturation. IET Control Theory and Applications, 2014, 8, 2229-2237.	2.1	43
157	Consensus of nonlinear multi−agent systems with adaptive protocols. IET Control Theory and Applications, 2014, 8, 2245-2252.	2.1	16
158	On Stabilizability of Nonlinearly Parameterized Discrete-Time Systems. IEEE Transactions on Automatic Control, 2014, 59, 3014-3019.	5.7	5
159	A New Pricing Scheme for Controlling Energy Storage Devices in Future Smart Grid. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.9	4
160	Necessary and sufficient conditions for distributed containment control of multi−agent systems without velocity measurement. IET Control Theory and Applications, 2014, 8, 1752-1759.	2.1	49
161	Eigenvalue-based approach to global consensus of nonlinear multi-agent systems. , 2014, , .		0
162	Vibration analysis for isolation system with inerter. , 2014, , .		4

#	Article	IF	Citations
163	${\cal H}_{\infty}$ Pinning Synchronization of Directed Networks With Aperiodic Sampled-Data Communications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3245-3255.	5.4	116
164	Stabilization of nonlinearly parameterized discrete-time systems by NLS algorithm. , 2014, , .		0
165	Semiglobal Observer-Based Leader-Following Consensus With Input Saturation. IEEE Transactions on Industrial Electronics, 2014, 61, 2842-2850.	7.9	265
166	Influence of inerter on natural frequencies of vibration systems. Journal of Sound and Vibration, 2014, 333, 1874-1887.	3.9	156
167	Synthesis of biquadratic impedances with at most four passive elements. Journal of the Franklin Institute, 2014, 351, 1251-1267.	3.4	52
168	Passive vehicle suspensions employing inerters with multiple performance requirements. Journal of Sound and Vibration, 2014, 333, 2212-2225.	3.9	164
169	Event-Triggered Control Over Noisy Feedback Channels. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10493-10498.	0.4	2
170	Semi-active suspension with semi-active inerter and semi-active damper. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11225-11230.	0.4	60
171	Breaking a novel image encryption scheme based on improved hyperchaotic sequences. Nonlinear Dynamics, 2013, 73, 2083-2089.	5.2	134
172	Flocking of multiple autonomous agents with preserved network connectivity and heterogeneous nonlinear dynamics. Neurocomputing, 2013, 115, 169-177.	5.9	37
173	Realizability of n-port resistive networks with 2n terminals. , 2013, , .		6
174	Exponential stabilization for linear systems with actuator saturation via intermittent control. , 2013, , .		1
175	Realization of a Special Class of Admittances with One Damper and One Inerter for Mechanical Control. IEEE Transactions on Automatic Control, 2013, 58, 1841-1846.	5.7	60
176	Semi-Global Leader-Following Consensus of Linear Multi-Agent Systems With Input Saturation via Low Gain Feedback. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1881-1889.	5.4	450
177	Adaptive flocking with a virtual leader of multiple agents governed by locally Lipschitz nonlinearity. Nonlinear Analysis: Real World Applications, 2013, 14, 798-806.	1.7	73
178	On finite-time stability for nonlinear impulsive switched systems. Nonlinear Analysis: Real World Applications, 2013, 14, 807-814.	1.7	54
179	Realizations of a Special Class of Admittances With Strictly Lower Complexity Than Canonical Forms. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2465-2473.	5.4	43
180	Adaptive cluster synchronisation of coupled harmonic oscillators with multiple leaders. IET Control Theory and Applications, 2013, 7, 765-772.	2.1	35

#	Article	IF	Citations
181	Distributed algorithms for shape sculpting of lattice-arrayed modular robots via hole motion. , 2013, , .		0
182	Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2013, 43, 394-399.	9.5	241
183	BREAKING A CHAOTIC IMAGE ENCRYPTION ALGORITHM BASED ON MODULO ADDITION AND XOR OPERATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350075.	1.7	44
184	Multi-objective optimization for a conventional suspension structure. , 2012, , .		2
185	Suspension performance with one damper and one inerter. , 2012, , .		34
186	Adaptive group consensus of coupled harmonic oscillators with multiple leaders. , 2012, , .		1
187	Realization of biquadratic impedances with at most four elements. , 2012, , .		6
188	Efficient Model Predictive Algorithms for Tracking of Periodic Signals. Journal of Control Science and Engineering, 2012, 2012, 1-13.	1.0	7
189	A tighter reachable set bound for linear systems subject to both discrete and distributed delays. , 2012, , .		0
190	Fusion estimation for two sensors with nonuniform estimation rates. , 2012, , .		2
191	Generalized Series–Parallel RLC Synthesis Without Minimization for Biquadratic Impedances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 766-770.	3.0	32
192	Realization of a special class of admittances with one damper and one inerter. , 2012, , .		4
193	On Exponential Almost Sure Stability of Random Jump Systems. IEEE Transactions on Automatic Control, 2012, 57, 3064-3077.	5.7	48
194	Robust H_{∞} control of discrete–time Markovian jump systems in the presence of incomplete knowledge of transition probabilities and saturating actuator. International Journal of Robust and Nonlinear Control, 2012, 22, 1753-1764.	3.7	32
195	Stability Analysis of Markovian Jump Systems with Multiple Delay Components and Polytopic Uncertainties. Circuits, Systems, and Signal Processing, 2012, 31, 143-162.	2.0	5
196	Fast Consensus Via Predictive Pinning Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 2247-2258.	5.4	109
197	BREAKING AN IMAGE ENCRYPTION ALGORITHM BASED ON CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2067-2076.	1.7	18
198	Nonlinear Laguerre–Volterra observer–controller and its application to process control. International Journal of Robust and Nonlinear Control, 2010, 20, 412-423.	3.7	5

#	Article	IF	Citations
199	Predictive protocol of flocks with small-world connection pattern. Physical Review E, 2009, 79, 016113.	2.1	23
200	The missing mechanical circuit element. IEEE Circuits and Systems Magazine, 2009, 9, 10-26.	2.3	263
201	A Note on Tests for Positive-Real Functions. IEEE Transactions on Automatic Control, 2009, 54, 390-393.	5.7	79
202	Restricted Complexity Network Realizations for Passive Mechanical Control. IEEE Transactions on Automatic Control, 2009, 54, 2290-2301.	5.7	76
203	A Rao-Blackwellised particle filter-based likelihood ratio approach to fault diagnosis for linear stochastic systems. , 2009, , .		0
204	Electrical and Mechanical Passive Network Synthesis. Lecture Notes in Control and Information Sciences, 2008, , 35-50.	1.0	32
205	A Note on PIN Polynomials and PRIN Rational Functions. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 462-463.	3.0	23
206	Finite-time stability analysis of impulsive discrete-time switched systems with nonlinear perturbation. International Journal of Control, 0, , 1-7.	1.9	5