Michael Z Q Chen

List of Publications by Year
in descending order

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206	8,435	36303	51608
papers	citations	51	86
		h-index	g-index

208	208	208	5249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Semiglobal Observer-Based Leader-Following Consensus With Input Saturation. IEEE Transactions on Industrial Electronics, 2014, 61, 2842-2850.	7.9	265
3	The missing mechanical circuit element. IEEE Circuits and Systems Magazine, 2009, 9, 10-26.	2.3	263
4	Chattering-free discrete-time sliding mode control. Automatica, 2016, 68, 87-91.	5.0	257
5	Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2013, 43, 394-399.	9.5	241
6	Performance evaluation for inerter-based dynamic vibration absorbers. International Journal of Mechanical Sciences, 2015, 99, 297-307.	6.7	209
7	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
8	Bioinspired Robotic Fingers Based on Pneumatic Actuator and 3D Printing of Smart Material. Soft Robotics, 2017, 4, 147-162.	8.0	176
9	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
10	Passive vehicle suspensions employing inerters with multiple performance requirements. Journal of Sound and Vibration, 2014, 333, 2212-2225.	3.9	164
11	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. Automatica, 2015, 62, 236-242.	5.0	162
12	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
13	Influence of inerter on natural frequencies of vibration systems. Journal of Sound and Vibration, 2014, 333, 1874-1887.	3.9	156
14	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
15	Breaking a novel image encryption scheme based on improved hyperchaotic sequences. Nonlinear Dynamics, 2013, 73, 2083-2089.	5.2	134
16	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
17	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
18	Observer-Based Consensus Tracking of Nonlinear Agents in Hybrid Varying Directed Topology. IEEE Transactions on Cybernetics, 2017, 47, 2212-2222.	9.5	121

#	Article	IF	Citations
19	${cal H}_{infty}$ 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
20	Fast Consensus Via Predictive Pinning Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 2247-2258.	5.4	109
21	Multiâ€agent containment control with input saturation on switching topologies. IET Control Theory and Applications, 2015, 9, 399-409.	2.1	106
22	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
23	Comfort-oriented vehicle suspension design with skyhook inerter configuration. Journal of Sound and Vibration, 2017, 405, 34-47.	3.9	100
24	Bounded synchronization of a heterogeneous complex switched network. Automatica, 2015, 56, 19-24.	5.0	96
25	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
26	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
27	Positive Edge Consensus of Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2242-2250.	9.3	93
28	Semi-global containment control of multi-agent systems with intermittent input saturation. Journal of the Franklin Institute, 2015, 352, 3504-3525.	3.4	90
29	Performance Benefits of Using Inerter in Semiactive Suspensions. IEEE Transactions on Control Systems Technology, 2015, 23, 1571-1577.	5.2	88
30	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
31	Semiactive Inerter and Its Application in Adaptive Tuned Vibration Absorbers. IEEE Transactions on Control Systems Technology, 2017, 25, 294-300.	5.2	83
32	Load Following of Multiple Heterogeneous TCL Aggregators by Centralized Control. IEEE Transactions on Power Systems, 2017, 32, 3157-3167.	6.5	80
33	A Note on Tests for Positive-Real Functions. IEEE Transactions on Automatic Control, 2009, 54, 390-393.	5.7	79
34	Eventâ€based synchronisation of linear discreteâ€time dynamical networks. IET Control Theory and Applications, 2015, 9, 755-765.	2.1	79
35	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
36	Restricted Complexity Network Realizations for Passive Mechanical Control. IEEE Transactions on Automatic Control, 2009, 54, 2290-2301.	5.7	76

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37	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
38	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
39	Solving the Dynamic Correlation Problem of the Susceptible-Infected-Susceptible Model on Networks. Physical Review Letters, 2016, 116, 258301.	7.8	67
40	Minimization of the beam response using inerter-based passive vibration control configurations. International Journal of Mechanical Sciences, 2016, 119, 80-87.	6.7	63
41	The synchronization of instantaneously coupled harmonic oscillators using sampled data with measurement noise. Automatica, 2016, 66, 155-162.	5.0	62
42	Moving Horizon Estimation for Mobile Robots With Multirate Sampling. IEEE Transactions on Industrial Electronics, 2017, 64, 1457-1467.	7.9	62
43	A soft stretchable bending sensor and data glove applications. Robotics and Biomimetics, 2016, 3, 22.	1.7	61
44	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
45	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
46	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
47	On finite-time stability for nonlinear impulsive switched systems. Nonlinear Analysis: Real World Applications, 2013, 14, 807-814.	1.7	54
48	A variable stiffness gripper based on differential drive particle jamming. Bioinspiration and Biomimetics, 2019, 14, 036009.	2.9	54
49	Eventâ€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
50	Hierarchical Fusion Estimation for Clustered Asynchronous Sensor Networks. IEEE Transactions on Automatic Control, 2016, 61, 3064-3069.	5.7	53
51	Synthesis of biquadratic impedances with at most four passive elements. Journal of the Franklin Institute, 2014, 351, 1251-1267.	3.4	52
52	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
53	Consensus networks with switching topology and time-delays over finite fields. Automatica, 2016, 68, 39-43.	5.0	50
54	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

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55	Sensor fusion: A review of methods and applications. , 2017, , .		50
56	Necessary and sufficient conditions for distributed containment control of multiâ€agent systems without velocity measurement. IET Control Theory and Applications, 2014, 8, 1752-1759.	2.1	49
57	On Exponential Almost Sure Stability of Random Jump Systems. IEEE Transactions on Automatic Control, 2012, 57, 3064-3077.	5.7	48
58	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
59	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
60	Hybrid Sequential Fusion Estimation for Asynchronous Sensor Network-Based Target Tracking. IEEE Transactions on Control Systems Technology, 2017, 25, 669-676.	5.2	44
61	Demand Response Load Following of Source and Load Systems. IEEE Transactions on Control Systems Technology, 2017, 25, 1586-1598.	5.2	44
62	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
63	Semiâ€global containment control of multiâ€agent systems with input saturation. IET Control Theory and Applications, 2014, 8, 2229-2237.	2.1	43
64	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
65	Interacting Multiple Model Estimator for Networked Control Systems: Stability, Convergence, and Performance. IEEE Transactions on Automatic Control, 2019, 64, 928-943.	5.7	39
66	Droop Control for PV Sources in DC Microgrids. IEEE Transactions on Power Electronics, 2018, 33, 7708-7720.	7.9	38
67	Flocking of multiple autonomous agents with preserved network connectivity and heterogeneous nonlinear dynamics. Neurocomputing, 2013, 115, 169-177.	5.9	37
68	Multiplexed model predictive control for active vehicle suspensions. International Journal of Control, 2015, 88, 347-363.	1.9	37
69	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
70	Soft robotics for engineers. HKIE Transactions, 2015, 22, 88-97.	0.1	36
71	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
72	Adaptive cluster synchronisation of coupled harmonic oscillators with multiple leaders. IET Control Theory and Applications, 2013, 7, 765-772.	2.1	35

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73	Realization of Three-Port Spring Networks With Inerter for Effective Mechanical Control. IEEE Transactions on Automatic Control, 2015, 60, 2722-2727.	5.7	35
74	Distributed estimation and control for mobile sensor networks with coupling delays. ISA Transactions, 2016, 64, 141-150.	5.7	35
75	Suspension performance with one damper and one inerter. , 2012, , .		34
76	Distributed estimation and control for two-target tracking mobile sensor networks. Journal of the Franklin Institute, 2017, 354, 2994-3007.	3.4	34
77	Robotics in ecommerce logistics. HKIE Transactions, 2015, 22, 68-77.	0.1	33
78	Further results on finiteâ€time consensus of secondâ€order multiâ€agent systems without velocity measurements. International Journal of Robust and Nonlinear Control, 2016, 26, 3170-3185.	3.7	33
79	Electrical and Mechanical Passive Network Synthesis. Lecture Notes in Control and Information Sciences, 2008, , 35-50.	1.0	32
80	Generalized Seriesâ€“Parallel RLC Synthesis Without Minimization for Biquadratic Impedances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 766-770.	3.0	32
81	Robust H_{â€‰âˆžâ€‰} control of discreteâ€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
82	Natural frequency assignment for mass-chain systems with inerters. Mechanical Systems and Signal Processing, 2018, 108, 126-139.	8.0	32
83	Inerter and Its Application in Vibration Control Systems. , 2019, , .		32
84	Event-triggered control for semi-global stabilisation of systems with actuator saturation. International Journal of Control, 2016, 89, 1047-1064.	1.9	31
85	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
86	Quantized Consensus of Multi-Agent Networks With Sampled Data and Markovian Interaction Links. IEEE Transactions on Cybernetics, 2019, 49, 1816-1825.	9.5	31
87	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
88	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
89	Characterizations and Criteria for Synchronization of Heterogeneous Networks to Linear Subspaces. SIAM Journal on Control and Optimization, 2017, 55, 4048-4071.	2.1	29
90	Global bounded consensus in heterogeneous multiâ€agent systems with directed communication graph. IET Control Theory and Applications, 2015, 9, 147-152.	2.1	27

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91	Flocking of networked Eulerâ€“Lagrange systems with uncertain parameters and time-delays under directed graphs. Nonlinear Dynamics, 2016, 85, 415-424.	5.2	26
92	Stochastic feedback coupling synchronization of networked harmonic oscillators. Automatica, 2018, 87, 404-411.	5.0	26
93	Global coordinated tracking of multi-agent systems with disturbance uncertainties via bounded control inputs. Nonlinear Dynamics, 2015, 82, 2059-2068.	5.2	24
94	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
95	Distributed Bounds on the Algebraic Connectivity of Graphs With Application to Agent Networks. IEEE Transactions on Cybernetics, 2017, 47, 2121-2131.	9.5	24
96	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
97	Predictive protocol of flocks with small-world connection pattern. Physical Review E, 2009, 79, 016113.	2.1	23
98	Synthesis of nâ€port resistive networks containing 2n terminals. International Journal of Circuit Theory and Applications, 2015, 43, 427-437.	2.0	23
99	Minimal Realizations of Three-Port Resistive Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 986-994.	5.4	23
100	Synchronization in Moving Pulse-Coupled Oscillator Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2544-2554.	5.4	22
101	Swarming of heterogeneous multi-agent systems with periodically intermittent control. Neurocomputing, 2016, 207, 213-219.	5.9	22
102	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
103	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
104	Application of inerter to aircraft landing gear suspension. , 2015, , .		19
105	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
106	Facile synthesis and characterization of magnetochromatic Fe3O4 nanoparticles. AIP Advances, 2017, 7, .	1.3	19
107	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
108	Consensus networks with time-delays over finite fields. International Journal of Control, 2016, 89, 1000-1008.	1.9	17

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109	Controllability of Dynamic-Edge Multi-Agent Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 857-867.	3.7	17
110	Consensus of nonlinear multiâ€agent systems with adaptive protocols. IET Control Theory and Applications, 2014, 8, 2245-2252.	2.1	16
111	Sampled-Data Control With Adjustable Switching Frequency for DCâ€“DC Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 8060-8071.	7.9	16
112	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
113	Special Issue on â€œAdvances in Condition Monitoring, Optimization and Control for Complex Industrial Processesâ€. Processes, 2021, 9, 664.	2.8	15
114	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
115	Passive Controller Realization of a Biquadratic Impedance With Double Poles and Zeros as a Seven-Element Seriesâ€“Parallel Network for Effective Mechanical Control. IEEE Transactions on Automatic Control, 2018, 63, 3010-3015.	5.7	13
116	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
117	Nonlinearities in landing gear model incorporating inerter. , 2015, , .		12
118	Optimal control of single spinâ€1/2 quantum systems. IET Control Theory and Applications, 2014, 8, 86-93.	2.1	11
119	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
120	Preparation and optimization of a molybdenum electrode for CIGS solar cells. AIP Advances, 2016, 6, .	1.3	11
121	A weighted adaptive-velocity self-organizing model and its high-speed performance. Neurocomputing, 2016, 216, 402-408.	5.9	11
122	Connectivity-Based Accessibility for Public Bicycle Sharing Systems. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1521-1532.	5.2	11
123	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
124	Instability analysis for semi-active control systems with semi-active inerters. Nonlinear Dynamics, 2021, 105, 99-112.	5.2	11
125	Approximate-master-equation approach for the Kinouchi-Copelli neural model on networks. Physical Review E, 2017, 95, 012310.	2.1	10
126	Seismic response mitigation of a wind turbine via inerter-based structural control. Bulletin of Earthquake Engineering, 2023, 21, 1361-1388.	4.1	10

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127	A novel body frame based approach to aerospacecraft attitude tracking. ISA Transactions, 2017, 70, 228-237.	5.7	9
128	Evolutionary fate of memory-one strategies in repeated prisonerâ€™s dilemma game in structured populations. European Physical Journal B, 2017, 90, 1.	1.5	9
129	Distributed sweep coverage algorithm of multi-agent systems using workload memory. Systems and Control Letters, 2019, 124, 75-82.	2.3	9
130	A Systems Model of Phosphorylation for Inflammatory Signaling Events. PLoS ONE, 2014, 9, e110913.	2.5	8
131	Development of a novel in-pipe walking robot. , 2015, , .		8
132	Synchronization of linear dynamical networks under stochastic impulsive coupling protocols. Journal of the Franklin Institute, 2017, 354, 4882-4895.	3.4	8
133	On Realizability of Specific Biquadratic Impedances as Three-Reactive Seven-Element Seriesâ€“Parallel Networks for Inerter-Based Mechanical Control. IEEE Transactions on Automatic Control, 2021, 66, 340-345.	5.7	8
134	Efficient Model Predictive Algorithms for Tracking of Periodic Signals. Journal of Control Science and Engineering, 2012, 2012, 1-13.	1.0	7
135	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
136	Controllability emerging from conditional path reachability in complex networks. International Journal of Robust and Nonlinear Control, 2017, 27, 4919-4930.	3.7	7
137	Observer-based discrete-time sliding mode control for systems with unmatched uncertainties. Journal of the Franklin Institute, 2021, 358, 8470-8470.	3.4	7
138	Realization of biquadratic impedances with at most four elements. , 2012, , .		6
139	Realizability of n-port resistive networks with 2n terminals. , 2013, , .		6
140	A decentralized control strategy for photovoltaic sources to unify MPPT and DC-bus voltage regulation. , 2017, , .		6
141	Nonlinear Laguerreâ€“Volterra observerâ€controller and its application to process control. International Journal of Robust and Nonlinear Control, 2010, 20, 412-423.	3.7	5
142	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
143	On Stabilizability of Nonlinearly Parameterized Discrete-Time Systems. IEEE Transactions on Automatic Control, 2014, 59, 3014-3019.	5.7	5
144	Finite-time stability analysis of impulsive discrete-time switched systems with nonlinear perturbation. International Journal of Control, 0, , 1-7.	1.9	5

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145	Controllability of heterogeneous multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 512-525.	3.7	5
146	Hyperplane design for discreteâ€time sliding mode control with eventâ€trigger strategy and disturbance observer. IET Control Theory and Applications, 2020, 14, 1003-1011.	2.1	5
147	Achievable dynamic responses of general undamped mass-chain systems. Mechanical Systems and Signal Processing, 2022, 163, 108108.	8.0	5
148	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
149	Realization of a special class of admittances with one damper and one inerter. , 2012, , .		4
150	Swarm aggregations of heterogeneous multi-agent systems. International Journal of Control, 2014, 87, 2594-2603.	1.9	4
151	A New Pricing Scheme for Controlling Energy Storage Devices in Future Smart Grid. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.9	4
152	Vibration analysis for isolation system with inerter. , 2014, , .		4
153	An inerter-based electromagnetic device and its application in vehicle suspensions. , 2015, , .		4
154	Design of a one-motor tree-climbing robot. , 2015, , .		4
155	Inerter-based passive structural control for load mitigation of wind turbines. , 2017, , .		4
156	Passive structural control with inerters for a floating offshore wind turbine. , 2017, , .		4
157	Eventâ€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
158	An interactive control architecture for interpersonal coordination in mirror game. Control Engineering Practice, 2018, 80, 36-48.	5.5	4
159	Seismic Isolation Performance Evaluation for a Class of Inerter-Based Low-Complexity Isolators. Shock and Vibration, 2020, 2020, 1-12.	0.6	4
160	Joint unscented Kalman filter for dual estimation in a bifilar pendulum for a small UAV. , 2015, , .		3
161	On the uniqueness of the almost stabilizing solution of the modified algebraic Riccati equation. , 2016, , .		3
162	Performance benefits in passive vessel suspensions employing inerters. , 2016, , .		3

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163	Structural controllability analysis of complex networks. , 2016, , .		3
164	A Unified Approach for Second-Order Control of the Manipulator With Joint Physical Constraints. Journal of Mechanisms and Robotics, 2017, 9, .	2.2	3
165	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
166	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
167	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
168	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
169	Multi-objective optimization for a conventional suspension structure. , 2012, , .		2
170	Fusion estimation for two sensors with nonuniform estimation rates. , 2012, , .		2
171	Event-Triggered Control Over Noisy Feedback Channels. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10493-10498.	0.4	2
172	Performance optimization for passive suspensions with one damper one inerter and three springs. , 2015, , .		2
173	Semi-active suspensions with low-order mechanical admittances incorporating inerters. , 2015, , .		2
174	Effect of play in inerter on vehicle suspension system. , 2015, , .		2
175	Kinetic regulation of multi-ligand binding proteins. BMC Systems Biology, 2016, 10, 32.	3.0	2
176	A generalized theorem of Reichert for biquadratic minimum functions. International Journal of Circuit Theory and Applications, 2016, 44, 1840-1858.	2.0	2
177	Achievable Dynamic Response for Vehicle Suspensions with Acceleration Measurements. , 2018, , .		2
178	Vortex-Induced Vibration Suppression of Bridges by Inerter-Based Dynamic Vibration Absorbers. Shock and Vibration, 2021, 2021, 1-18.	0.6	2
179	On the positive stabilizability of sampled positive systems. International Journal of Robust and Nonlinear Control, 2022, 32, 1113-1142.	3.7	2
180	Adaptive group consensus of coupled harmonic oscillators with multiple leaders. , 2012, , .		1

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181	Exponential stabilization for linear systems with actuator saturation via intermittent control. , 2013, , .		1
182	Distributed adaptive output regulation controllers of heterogeneous linear multi-agent systems with directed graphs. , 2015, , .		1
183	Global bounded consensus of general nonidentical networks with distributed time-delays. , 2015, , .		1
184	Synthesis of transfer functions as two-port RC ladder networks with specified gains. , 2015, , .		1
185	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
186	A biomechanical model of human muscular-skeletal system with inertial effects. , 2016, , .		1
187	Stabilisation of nonâ€linear DISS systems with uncertainty via encoded feedback. IET Control Theory and Applications, 2017, 11, 732-739.	2.1	1
188	When joggers meet robots: A preliminary study on foot strike patterns. , 2017, , .		1
189	Structural control of floating offshore wind turbines with inerter-based low-order mechanical networks. , 2021, , .		1
190	A tighter reachable set bound for linear systems subject to both discrete and distributed delays. , 2012, , .		0
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192	Eigenvalue-based approach to global consensus of nonlinear multi-agent systems. , 2014, , .		0
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