

Hui-Jun Gao

List of Publications by Year in descending order

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394
papers

37,660
citations

1172

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3323

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402
all docs

402
docs citations

402
times ranked

11804
citing authors

#	ARTICLE	IF	CITATIONS
1	ResDNet: Efficient Dense Multi-Scale Representations With Residual Learning for High-Level Vision Tasks. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-12.	11.3	2
2	Data Augmentation in Defect Detection of Sanitary Ceramics in Small and Non-i.i.d Datasets. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8669-8678.	11.3	14
3	Hybrid Visual-Ranging Servoing for Positioning Based on Image and Measurement Features. IEEE Transactions on Cybernetics, 2023, 53, 4270-4279.	9.5	3
4	Master-Slave Synchronous Control of Dual-Drive Gantry Stage With Cogging Force Compensation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 216-225.	9.3	56
5	Computationally Relaxed Unscented Kalman Filter. IEEE Transactions on Cybernetics, 2023, 53, 1557-1565.	9.5	2
6	Vibration Suppression for Motor-Driven Uncertain Active Suspensions With Hard Constraints and Analysis of Energy Consumption. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 618-630.	9.3	3
7	Octopus-Inspired Microgripper for Deformation-Controlled Biological Sample Manipulation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1857-1866.	11.3	1
8	Practical Fractional-Order Variable-Gain Supertwisting Control With Application to Wafer Stages of Photolithography Systems. IEEE/ASME Transactions on Mechatronics, 2022, 27, 214-224.	5.8	13
9	DanioSense: Automated High-Throughput Quantification of Zebrafish Larvae Group Movement. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1058-1069.	5.2	4
10	Disturbance Observer-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems With Finite-Time Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2022, 30, 1175-1184.	9.8	81
11	Cell Division Genetic Algorithm for Component Allocation Optimization in Multifunctional Placers. IEEE Transactions on Industrial Informatics, 2022, 18, 559-570.	11.3	36
12	An Adaptive Switching-Gain Sliding-Mode-Assisted Disturbance Observer for High-Precision Servo Control. IEEE Transactions on Industrial Electronics, 2022, 69, 1762-1772.	7.9	24
13	Hierarchical Multiobjective Heuristic for PCB Assembly Optimization in a Beam-Head Surface Moulder. IEEE Transactions on Cybernetics, 2022, 52, 6911-6924.	9.5	100
14	A CRF-Based Framework for Tracklet Inactivation in Online Multi-Object Tracking. IEEE Transactions on Multimedia, 2022, 24, 995-1007.	7.2	10
15	Dual-Loop Tube-Based Robust Model Predictive Attitude Tracking Control for Spacecraft With System Constraints and Additive Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 4022-4033.	7.9	66
16	High Precision Robust Control for Periodic Tasks of Linear Motor via B-Spline Wavelet Neural Network Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 8255-8263.	7.9	26
17	A Novel Industrial Chip Parameters Identification Method Based on Cascaded Region Segmentation for Surface-Mount Equipment. IEEE Transactions on Industrial Electronics, 2022, 69, 5247-5256.	7.9	11
18	Automobile Instrument Detection Using Prior Information and Fuzzy Sets. IEEE Transactions on Industrial Electronics, 2022, 69, 13524-13534.	7.9	4

#	ARTICLE	IF	CITATIONS
19	Approximation-Free Robust Synchronization Control for Dual-Linear-Motors-Driven Systems With Uncertainties and Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 10500-10509.	7.9	110
20	A Novel Subpixel Circle Detection Method Based on the Blurred Edge Model. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	3
21	Keypoint-Based LiDAR-Camera Online Calibration With Robust Geometric Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
22	Monocular 3D Object Detection With Sequential Feature Association and Depth Hint Augmentation. IEEE Transactions on Intelligent Vehicles, 2022, 7, 240-250.	12.7	17
23	Sine Resistance Network-Based Motion Planning Approach for Autonomous Electric Vehicles in Dynamic Environments. IEEE Transactions on Transportation Electrification, 2022, 8, 2862-2873.	7.8	17
24	Guest Editorial Introduction to the Focused Section on Adaptive Learning and Control for Advanced Mechatronics Systems. IEEE/ASME Transactions on Mechatronics, 2022, 27, 607-610.	5.8	2
25	A unified framework of convex stability conditions for 2-D switched systems with stable or unstable modes. Automatica, 2022, 141, 110264.	5.0	4
26	Visual-Based Contact Detection for Automated Zebrafish Larva Heart Microinjection. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1803-1813.	5.2	5
27	Asynchronous Sampled-Data Filtering Design for Fuzzy-Affine-Model-Based Stochastic Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 3964-3974.	9.5	34
28	Complex Workpiece Positioning System With Nonrigid Registration Method for 6-DoFs Automatic Spray Painting Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7305-7313.	9.3	10
29	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 1496-1506.	9.8	65
30	Precise Positioning of Circular Mark Points and Transistor Components in Surface Mounting Technology Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 2534-2544.	11.3	9
31	Zebrafish Larva Orientation and Smooth Aspiration Control for Microinjection. IEEE Transactions on Biomedical Engineering, 2021, 68, 47-55.	4.2	20
32	Meta-sequence-dependent $<mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>\hat{z}</mml:mi></mml:mrow></mml:math> filtering for switched linear systems under persistent dwell-time constraint. Automatica, 2021, 123, 109348.$	11.3	12
33	The Location of Component With Rectangular Pins Based on the Point Set Registration. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	4
34	Barrier Lyapunov Function-Based Adaptive Fault-Tolerant Control for a Class of Strict-Feedback Stochastic Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 938-946.	9.5	47
35	A Novel Finite-Time Control for Nonstrict Feedback Saturated Nonlinear Systems With Tracking Error Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3968-3979.	9.3	86
36	YolTrack: Multitask Learning Based Real-Time Multiobject Tracking and Segmentation for Autonomous Vehicles. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5323-5333.	11.3	15

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37	An Analysis of Radar Detection on a Plasma Sheath Covered Reentry Target. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4255-4268.	4.7	17
38	A Mixed-Pruning Based Framework for Embedded Convolutional Neural Network Acceleration. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1706-1715.	5.4	19
39	Feedback-based Digital Higher-order Terminal Sliding Mode for 6-DOF Industrial Manipulators. , 2021, , .		3
40	Deep Learning Based Data Fusion for Sensor Fault Diagnosis and Tolerance in Autonomous Vehicles. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	15
41	Predictive display for teleoperation with virtual reality fusion technology. Asian Journal of Control, 2021, 23, 2261-2272.	3.0	1
42	Gradient Descent-Based Adaptive Learning Control for Autonomous Underwater Vehicles With Unknown Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5266-5273.	11.3	35
43	Adaptive Sensor Fault Accommodation for Vehicle Active Suspensions via Partial Measurement Information. IEEE Transactions on Cybernetics, 2021, PP, 1-12.	9.5	3
44	Advanced Control for Vehicle Active Suspension Systems. Studies in Systems, Decision and Control, 2020, , .	1.0	11
45	Filtering Design for Multirate Sampled-Data Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4224-4232.	9.3	12
46	Adaptive neural fault-tolerant control for a class of strict-feedback nonlinear systems with actuator and sensor faults. Neurocomputing, 2020, 380, 87-94.	5.9	33
47	Command Filter-Based Adaptive NN Control for MIMO Nonlinear Systems With Full-State Constraints and Actuator Hysteresis. IEEE Transactions on Cybernetics, 2020, 50, 2905-2915.	9.5	185
48	Decentralized Adaptive Event-Triggered Control for a Class of Uncertain Systems With Deception Attacks and Its Application to Electronic Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5405-5416.	5.4	38
49	Zonotopic Fault Detection for Fuzzy Systems with Event-Triggered Transmission. IEEE Transactions on Fuzzy Systems, 2020, , 1-1.	9.8	7
50	Precise Linear-Motor Synchronization Control Via Cross-Coupled Second-Order Discrete-Time Fractional-Order Sliding Mode. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	30
51	Finite-time vibration control for vehicle active suspension systems. , 2020, , 185-223.		1
52	Energy-Driven-Damper (EDD): Comfort-Oriented Semiactive Suspensions Optimized From an Energy Perspective. IEEE Transactions on Control Systems Technology, 2020, 28, 2069-2076.	5.2	8
53	Weighted Smallest Deformation Similarity for NN-Based Template Matching. IEEE Transactions on Industrial Informatics, 2020, 16, 6787-6795.	11.3	9
54	Controller Optimization for Multirate Systems Based on Reinforcement Learning. International Journal of Automation and Computing, 2020, 17, 417-427.	4.5	6

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55	Precise Motion Control of Wafer Stages via Adaptive Neural Network and Fractional-Order Super-Twisting Algorithm. IFAC-PapersOnLine, 2020, 53, 8315-8320.	0.9	7
56	Method of Detecting a Target Enveloped by a Plasma Sheath Based on Doppler Frequency Compensation. IEEE Transactions on Plasma Science, 2020, 48, 4103-4111.	1.3	17
57	Fractional-Order Variable-Gain Super-Twisting Control With Application to Wafer Stages of Photolithography Systems. , 2020, , .		2
58	Leader-Following Practical Cluster Synchronization for Networks of Generic Linear Systems: An Event-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 215-224.	11.3	45
59	Reliable Control for a Class of Nonlinear Time-Delay Systems Against Actuator Faults With Application to Suspension Control. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2498-2507.	5.8	13
60	Observer-Based Fuzzy Adaptive Event-Triggered Control for Pure-Feedback Nonlinear Systems With Prescribed Performance. IEEE Transactions on Fuzzy Systems, 2019, 27, 2152-2162.	9.8	421
61	Road-Holding-Oriented Control and Analysis of Semi-Active Suspension Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	11
62	Dynamic modeling and terminal sliding mode control of a 3-DOF redundantly actuated parallel platform. Mechatronics, 2019, 60, 26-33.	3.3	27
63	Integral-Based Event-Triggered Fault Detection Filter Design for Unmanned Surface Vehicles. IEEE Transactions on Industrial Informatics, 2019, 15, 5626-5636.	11.3	62
64	Character Segmentation-Based Coarse-Fine Approach for Automobile Dashboard Detection. IEEE Transactions on Industrial Informatics, 2019, 15, 5413-5424.	11.3	27
65	Precise Variable-Gain Cross-Coupling Contouring Control for Linear Motor Direct-Drive Table. , 2019, , .		5
66	Adaptive Fuzzy Control for Nontriangular Structural Stochastic Switched Nonlinear Systems With Full State Constraints. IEEE Transactions on Fuzzy Systems, 2019, 27, 1587-1601.	9.8	285
67	A spatially constrained shifted asymmetric Laplace mixture model for the grayscale image segmentation. Neurocomputing, 2019, 331, 50-57.	5.9	19
68	Recognition and Pose Estimation of Auto Parts for an Autonomous Spray Painting Robot. IEEE Transactions on Industrial Informatics, 2019, 15, 1709-1719.	11.3	42
69	Fuzzy Observer Based Control for Nonlinear Coupled Hyperbolic PDE-ODE Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 1332-1346.	9.8	20
70	Simplified Newton-Based CEE and Discrete-Time Fractional-Order Sliding-Mode CEC. IEEE/ASME Transactions on Mechatronics, 2019, 24, 175-185.	5.8	28
71	Quality Inspection of Remote Radio Units Using Depth-Free Image-Based Visual Servo With Acceleration Command. IEEE Transactions on Industrial Electronics, 2019, 66, 8214-8223.	7.9	24
72	Constrained Sampled-Data ARC for a Class of Cascaded Nonlinear Systems With Applications to Motor-Servo Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 766-776.	11.3	100

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73	On Discrete-Time Convergence for General Linear Multi-agent Systems Under Dynamic Topology. , 2019, , 1-19.		0
74	Reliable Control of Discrete-Time Piecewise-Affine Time-Delay Systems via Output Feedback. IEEE Transactions on Reliability, 2018, 67, 79-91.	4.6	98
75	A Novel Coarseâ€“Fine Method for Ball Grid Array Component Positioning and Defect Inspection. IEEE Transactions on Industrial Electronics, 2018, 65, 5023-5031.	7.9	22
76	SGD-Based Adaptive NN Control Design for Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5071-5083.	11.3	31
77	Fault-Tolerant Cooperative Tracking Control via Integral Sliding Mode Control Technique. IEEE/ASME Transactions on Mechatronics, 2018, 23, 342-351.	5.8	75
78	Visual Servoed Three-Dimensional Rotation Control in Zebrafish Larva Heart Microinjection System. IEEE Transactions on Biomedical Engineering, 2018, 65, 64-73.	4.2	48
79	Exponential Synchronization of Networked Chaotic Delayed Neural Network by a Hybrid Event Trigger Scheme. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2558-2567.	11.3	141
80	An Approach to Fault Detection for Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1155-1165.	9.3	29
81	Feature Combination via Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 896-907.	11.3	7
82	Cluster Synchronization for Interacting Clusters of Nonidentical Nodes via Intermittent Pinning Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1747-1759.	11.3	52
83	A Bioinspired Dynamics-Based Adaptive Tracking Control for Nonlinear Suspension Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 903-914.	5.2	129
84	Corner Point-Based Coarseâ€“Fine Method for Surface-Mount Component Positioning. IEEE Transactions on Industrial Informatics, 2018, 14, 877-886.	11.3	16
85	Finite Frequency \mathcal{H}_∞ Deconvolution With Application to Approximated Bandlimited Signal Recovery. IEEE Transactions on Automatic Control, 2018, 63, 203-210.	5.7	8
86	A Partial Least Squares Aided Intelligent Model Predictive Control Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2013-2021.	9.3	18
87	Nonrigid Point Set Registration by Preserving Local Connectivity. IEEE Transactions on Cybernetics, 2018, 48, 826-835.	9.5	24
88	Contouring Control of Linear Motor Direct-Drive X-Y Table Via Chattering-Free Discrete-Time Sliding Mode Control. , 2018, , .		3
89	A Locally Weighted Project Regression Approach-Aided Nonlinear Constrained Tracking Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5870-5879.	11.3	17
90	Joint state and fault estimation for time-varying nonlinear systems with randomly occurring faults and sensor saturations. Automatica, 2018, 97, 150-160.	5.0	174

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91	Distributed k -Means Algorithm and Fuzzy c -Means Algorithm for Sensor Networks Based on Multiagent Consensus Theory. IEEE Transactions on Cybernetics, 2017, 47, 772-783.	9.5	260
92	State Estimation for Discrete-Time Dynamical Networks With Time-Varying Delays and Stochastic Disturbances Under the Round-Robin Protocol. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1139-1151.	11.3	189
93	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1875-1883.	9.3	126
94	Adaptive Fault-Tolerant Control for Nonlinear System With Unknown Control Directions Based on Fuzzy Approximation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1909-1918.	9.3	98
95	An Adaptive NN-Based Approach for Fault-Tolerant Control of Nonlinear Time-Varying Delay Systems With Unmodeled Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1902-1913.	11.3	130
96	Fault Detection for Nonlinear Process With Deterministic Disturbances: A Just-In-Time Learning Based Data Driven Method. IEEE Transactions on Cybernetics, 2017, 47, 3649-3657.	9.5	118
97	Robust H_{∞} Group Consensus for Interacting Clusters of Integrator Agents. IEEE Transactions on Automatic Control, 2017, 62, 3559-3566.	5.7	84
98	Visual Servoed Zebrafish Larva Heart Microinjection System. IEEE Transactions on Industrial Electronics, 2017, 64, 3727-3736.	7.9	32
99	Finite-Horizon H_{∞} Consensus Control of Time-Varying Multiagent Systems With Stochastic Communication Protocol. IEEE Transactions on Cybernetics, 2017, 47, 1830-1840.	9.5	116
100	Adaptive tracking control for active suspension systems with non-ideal actuators. Journal of Sound and Vibration, 2017, 399, 2-20.	3.9	91
101	Reference-Free Path-Walking Method for Ball Grid Array Inspection in Surface Mounting Machines. IEEE Transactions on Industrial Electronics, 2017, 64, 6310-6318.	7.9	19
102	On H_{∞} Finite-Horizon Filtering Under Stochastic Protocol: Dealing With High-Rate Communication Networks. IEEE Transactions on Automatic Control, 2017, 62, 4884-4890.	5.7	68
103	A Line-Based-Clustering Approach for Ball Grid Array Component Inspection in Surface-Mount Technology. IEEE Transactions on Industrial Electronics, 2017, 64, 3030-3038.	7.9	33
104	Descriptor reduced-order sliding mode observers design for switched systems with sensor and actuator faults. Automatica, 2017, 76, 282-292.	5.0	255
105	Visual Detection and Two-Dimensional Rotation Control in Zebrafish Larva Heart Microinjection. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2003-2012.	5.8	27
106	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2137-2147.	9.3	97
107	Output Feedback Control of Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Control Systems Technology, 2017, 25, 1599-1608.	5.2	21
108	On Group Synchronization for Interacting Clusters of Heterogeneous Systems. IEEE Transactions on Cybernetics, 2017, 47, 4122-4133.	9.5	115

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109	On the Bipartite Consensus for Generic Linear Multiagent Systems With Input Saturation. IEEE Transactions on Cybernetics, 2017, 47, 1948-1958.	9.5	285
110	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. IEEE Transactions on Industrial Electronics, 2017, 64, 4179-4186.	7.9	57
111	An integrated microfluidic system for zebrafish larva organs injection. , 2017, , .		9
112	L ∞ -TV model for structure extraction with end-to-end contour learning. , 2017, , .		0
113	Tracking the power port of remote radio unit (RRU) using computer vision. , 2017, , .		2
114	Reliable H ∞ control for sampled-data systems with multirate sampling based on adaptive method. , 2017, , .		0
115	Observer-based control for robotic manipulations with uncertain kinematics and dynamics. , 2016, , .		0
116	An H ∞ approach to fault detection for multirate sampled-data systems with frequency specifications. , 2016, , .		0
117	Bayesian non-parametric gradient histogram estimation for texture-enhanced image deblurring. Neurocomputing, 2016, 197, 95-112.	5.9	10
118	Dsets-DBSCAN: A Parameter-Free Clustering Algorithm. IEEE Transactions on Image Processing, 2016, 25, 3182-3193.	9.8	172
119	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. IEEE Transactions on Cybernetics, 2016, 46, 1760-1770.	9.5	119
120	Set-membership filtering for time-varying systems with mixed time-delays under Round-Robin and Weighted Try-Once-Discard protocols. Automatica, 2016, 74, 341-348.	5.0	153
121	$\frac{H}{s^2}$ model reduction of switched LPV systems via semi-time-varying reduced-order model. Systems and Control Letters, 2016, 98, 25-32.	2.3	12
122	Containment Control for Second-Order Multiagent Systems Communicating Over Heterogeneous Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 28, 1-13.	11.3	51
123	Disturbance Observer-Based Adaptive Tracking Control With Actuator Saturation and Its Application. IEEE Transactions on Automation Science and Engineering, 2016, 13, 868-875.	5.2	175
124	On H-infinity Estimation of Randomly Occurring Faults for A Class of Nonlinear Time-Varying Systems With Fading Channels. IEEE Transactions on Automatic Control, 2016, 61, 479-484.	5.7	158
125	A Combined Fault Tolerant and Predictive Control for Network-Based Industrial Processes. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	75
126	Observer-based H_{∞} control of networked systems with stochastic communication protocol: The finite-horizon case. Automatica, 2016, 63, 366-373.	11.2	112

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127	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. IEEE Transactions on Cybernetics, 2016, 46, 3135-3144.	9.5	75
128	Transient-Performance-Guaranteed Robust Adaptive Control and Its Application to Precision Motion Control Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 6510-6518.	7.9	123
129	Two Time-Scale Tracking Control of Nonholonomic Wheeled Mobile Robots. IEEE Transactions on Control Systems Technology, 2016, 24, 2059-2069.	5.2	131
130	and $\frac{H}{H^2}$ filtering for linear systems with uncertain Markov transitions. Automatica, 2016, 67, 252-266.	5.0	99
131	A variance-constrained approach to recursive state estimation for time-varying complex networks with missing measurements. Automatica, 2016, 64, 155-162.	5.0	350
132	Robust H_{∞} Self-Triggered Control of Networked Systems Under Packet Dropouts. IEEE Transactions on Cybernetics, 2016, 46, 3294-3305.	9.5	81
133	Recent Advances on Fuzzy-Model-Based Nonlinear Networked Control Systems: A Survey. IEEE Transactions on Industrial Electronics, 2016, 63, 1207-1217.	7.9	320
134	Robust Multiobjective Controllability of Complex Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 778-791.	3.0	13
135	Fuzzy-Model-Based Reliable Static Output Feedback H_{∞} Control of Nonlinear Hyperbolic PDE Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 388-400.	9.8	394
136	Filter-Based Adaptive Vibration Control for Active Vehicle Suspensions With Electrohydraulic Actuators. IEEE Transactions on Vehicular Technology, 2016, 65, 4619-4626.	6.3	179
137	A Combined Adaptive Neural Network and Nonlinear Model Predictive Control for Multirate Networked Industrial Process Control. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 416-425.	11.3	523
138	Semiglobal stabilization of saturated linear systems via multiple parametric Lyapunov equations. International Journal of Robust and Nonlinear Control, 2015, 25, 16-31.	3.7	2
139	A multi-frame super-resolution method based on the variable-exponent nonlinear diffusion regularizer. Eurasip Journal on Image and Video Processing, 2015, 2015, .	2.6	16
140	Robust adaptive control of nonlinear time-delay systems with saturation constraints. IET Control Theory and Applications, 2015, 9, 103-113.	2.1	19
141	Coordination control for generic linear multi-agent systems with time delay: A semi-discretization approach. , 2015, , .		1
142	Constrained robust adaptive control for vehicle active suspension systems. International Journal of Vehicle Design, 2015, 68, 5.	0.3	3
143	Collective Behavior for Group of Generic Linear Agents Interacting Under Arbitrary Network Topology. IEEE Transactions on Control of Network Systems, 2015, 2, 288-297.	3.7	31
144	Leader-following consensus of a class of stochastic delayed multi-agent systems with partial mixed impulses. Automatica, 2015, 53, 346-354.	5.0	285

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145	Finite-horizon reliable control with randomly occurring uncertainties and nonlinearities subject to output quantization. <i>Automatica</i> , 2015, 52, 355-362.	5.0	144
146	A noise-suppressing and edge-preserving multiframe super-resolution image reconstruction method. <i>Signal Processing: Image Communication</i> , 2015, 34, 1-13.	3.2	27
147	Event-Based H_{∞} Filter Design for a Class of Nonlinear Time-Varying Systems With Fading Channels and Multiplicative Noises. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 3387-3395.	5.3	151
148	Robust Second-Order Consensus Tracking of Multiple 3-DOF Laboratory Helicopters via Output Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2538-2549.	5.8	35
149	Robust output feedback attitude control of a three-degree-of-freedom helicopter via sliding mode observation technique. <i>IET Control Theory and Applications</i> , 2015, 9, 1637-1643.	2.1	21
150	On-line Deflection Estimation of X-axis Beam on Positioning Machine. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, , 1-1.	5.8	7
151	Vibration Isolation for Active Suspensions With Performance Constraints and Actuator Saturation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 675-683.	5.8	220
152	A frequency-partitioning approach to stability analysis of two-dimensional discrete systems. <i>Multidimensional Systems and Signal Processing</i> , 2015, 26, 67-93.	2.6	34
153	Adaptive Fuzzy Backstepping Control for A Class of Nonlinear Systems With Sampled and Delayed Measurements. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 302-312.	9.8	222
154	Min-Max Approximation of Transfer Functions With Application to Filter Design. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 31-40.	5.3	4
155	Nonlinear tracking control based on extended state observer for vehicle active suspensions with performance constraints. <i>Mechatronics</i> , 2015, 30, 363-370.	3.3	92
156	Sliding Mode Control of Switched Stochastic Hybrid Systems. <i>Studies in Systems, Decision and Control</i> , 2015, , 217-237.	1.0	3
157	A Survey on Distributed Filtering and Fault Detection for Sensor Networks. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-7.	1.1	30
158	Time- and Event-Driven Communication Process for Networked Control Systems: A Survey. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.7	7
159	New results on stability analysis and stabilisation of networked control system. <i>IET Control Theory and Applications</i> , 2014, 8, 1707-1715.	2.1	10
160	Edge preservation image enlargement and enhancement method based on the adaptive Perona-Malik nonlinear diffusion model. <i>IET Image Processing</i> , 2014, 8, 753-760.	2.5	12
161	Semiglobal synchronization of multiple generic linear agents with input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 3239-3254.	3.7	48
162	Robust second-order tracking of multi-vehicle systems without velocity measurements on directed communication topologies. , 2014, , .		16

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163	Global consensus of single-integrator agents subject to saturation constraints. IET Control Theory and Applications, 2014, 8, 765-771.	2.1	15
164	Approach to stabilisation of continuous-time switched positive systems. IET Control Theory and Applications, 2014, 8, 1207-1214.	2.1	9
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