

Peter X Liu

List of Publications by Year in descending order

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498
papers

17,908
citations

13099

68
h-index

20961

115
g-index

499
all docs

499
docs citations

499
times ranked

8842
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct adaptive fuzzy control of nonlinear strict-feedback systems. <i>Automatica</i> , 2009, 45, 1530-1535.	5.0	638
2	Robust Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Input Constraints. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 2093-2104.	9.5	389
3	Finite-Time Adaptive Fuzzy Tracking Control Design for Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1207-1216.	9.8	357
4	Impact of Communication Delays on Secondary Frequency Control in an Islanded Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 2021-2031.	7.9	315
5	Iterative solutions of the generalized Sylvester matrix equations by using the hierarchical identification principle. <i>Applied Mathematics and Computation</i> , 2008, 197, 41-50.	2.2	307
6	Identification methods for Hammerstein nonlinear systems. , 2011, 21, 215-238.		300
7	Adaptive Neural Control of Pure-Feedback Nonlinear Time-Delay Systems via Dynamic Surface Technique. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1681-1692.	5.0	298
8	Adaptive Neural Tracking Control for a Class of Nonstrict-Feedback Stochastic Nonlinear Systems With Unknown Backlash-Like Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 947-958.	11.3	278
9	Robust Sliding Mode Control for Robot Manipulators. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 2444-2453.	7.9	275
10	Neural-Based Adaptive Output-Feedback Control for a Class of Nonstrict-Feedback Stochastic Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 1977-1987.	9.5	272
11	Approximation-Based Adaptive Fuzzy Tracking Control for a Class of Nonstrict-Feedback Stochastic Nonlinear Time-Delay Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1746-1760.	9.8	269
12	Partially Coupled Stochastic Gradient Identification Methods for Non-Uniformly Sampled Systems. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 1976-1981.	5.7	252
13	Adaptive Fuzzy Output Tracking Control of MIMO Nonlinear Uncertain Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2007, 15, 287-300.	9.8	245
14	Parameter estimation with scarce measurements. <i>Automatica</i> , 2011, 47, 1646-1655.	5.0	241
15	Hierarchical Least Squares Identification for Linear SISO Systems With Dual-Rate Sampled-Data. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 2677-2683.	5.7	227
16	Adaptive Fuzzy Practical Fixed-Time Tracking Control of Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 664-673.	9.8	216
17	Delay-dependent robust H_{∞} control for T-S fuzzy systems with time delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2005, 13, 544-556.	9.8	212
18	Robust Adaptive Neural Tracking Control for a Class of Stochastic Nonlinear Interconnected Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 510-523.	11.3	206

#	ARTICLE	IF	CITATIONS
19	Adaptive Fuzzy Finite-Time Control of Nonlinear Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2020, 50, 1786-1797.	9.5	205
20	Gradient based and least-squares based iterative identification methods for OE and OEMA systems. , 2010, 20, 664-677.		202
21	Multiinnovation Least-Squares Identification for System Modeling. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 767-778.	5.0	199
22	Adaptive Fuzzy Tracking Control for a Class of MIMO Nonlinear Systems in Nonstrict-Feedback Form. IEEE Transactions on Cybernetics, 2015, 45, 2744-2755.	9.5	199
23	When the Smart Grid Meets Energy-Efficient Communications: Green Wireless Cellular Networks Powered by the Smart Grid. IEEE Transactions on Wireless Communications, 2012, 11, 3014-3024.	9.2	196
24	Backstepping Control for Nonlinear Systems With Time Delays and Applications to Chemical Reactor Systems. IEEE Transactions on Industrial Electronics, 2009, 56, 3723-3732.	7.9	194
25	Robust Control of Four-Rotor Unmanned Aerial Vehicle With Disturbance Uncertainty. IEEE Transactions on Industrial Electronics, 2015, 62, 1563-1571.	7.9	194
26	Delay-Dependent Stability Criteria of Teleoperation Systems With Asymmetric Time-Varying Delays. IEEE Transactions on Robotics, 2010, 26, 925-932.	10.3	193
27	Observer-Based Adaptive Fuzzy Control for a Class of Nonlinear Delayed Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 27-36.	9.3	176
28	Auxiliary model based multi-innovation extended stochastic gradient parameter estimation with colored measurement noises. Signal Processing, 2009, 89, 1883-1890.	3.7	174
29	Fuzzy guaranteed cost control for nonlinear systems with time-varying delay. IEEE Transactions on Fuzzy Systems, 2005, 13, 238-249.	9.8	170
30	Adaptive Neural Output-Feedback Decentralized Control for Large-Scale Nonlinear Systems With Stochastic Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 972-983.	11.3	167
31	Observer and Adaptive Fuzzy Control Design for Nonlinear Strict-Feedback Systems With Unknown Virtual Control Coefficients. IEEE Transactions on Fuzzy Systems, 2018, 26, 1732-1743.	9.8	164
32	Observer-Based Fuzzy Adaptive Output-Feedback Control of Stochastic Nonlinear Multiple Time-Delay Systems. IEEE Transactions on Cybernetics, 2017, 47, 2568-2578.	9.5	163
33	Parameter Identification and Intersample Output Estimation for Dual-Rate Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 966-975.	2.9	154
34	Adaptive neural networks finite-time tracking control for non-strict feedback systems via prescribed performance. Information Sciences, 2018, 468, 29-46.	6.9	153
35	Adaptive Fuzzy Decentralized Control for a Class of Strong Interconnected Nonlinear Systems With Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2018, 26, 836-846.	9.8	148
36	Fuzzy-Approximation-Based Adaptive Control of Strict-Feedback Nonlinear Systems With Time Delays. IEEE Transactions on Fuzzy Systems, 2010, 18, 883-892.	9.8	132

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37	A Novel Finite-Time Adaptive Fuzzy Tracking Control Scheme for Nonstrict Feedback Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 646-658.	9.8	132
38	Neural Observer and Adaptive Neural Control Design for a Class of Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4261-4271.	11.3	129
39	Finite-time adaptive fault-tolerant control for nonlinear systems with multiple faults. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1417-1427.	13.1	128
40	Fuzzy approximate disturbance decoupling of MIMO nonlinear systems by backstepping and application to chemical processes. IEEE Transactions on Fuzzy Systems, 2005, 13, 832-847.	9.8	127
41	Adaptive Intelligent Control of Nonaffine Nonlinear Time-Delay Systems With Dynamic Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1474-1485.	9.3	125
42	Adaptive Neural Control of Nonlinear Systems With Unknown Control Directions and Input Dead-Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1897-1907.	9.3	123
43	Robust Fuzzy Adaptive Tracking Control for Nonaffine Stochastic Nonlinear Switching Systems. IEEE Transactions on Cybernetics, 2018, 48, 2462-2471.	9.5	121
44	Finite-Time-Prescribed Performance-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems With Dynamic Uncertainty and Actuator Faults. IEEE Transactions on Cybernetics, 2022, 52, 6959-6971.	9.5	121
45	Adaptive Neural Output-Feedback Control for a Class of Nonlower Triangular Nonlinear Systems With Unmodeled Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3658-3668.	11.3	116
46	Adaptive Fuzzy Tracking Control of Flexible-Joint Robots Based on Command Filtering. IEEE Transactions on Industrial Electronics, 2020, 67, 4046-4055.	7.9	112
47	Denial-of-Service (dos) attacks on load frequency control in smart grids. , 2013, , .		110
48	Fuzzy Approximation-Based Adaptive Control of Nonlinear Delayed Systems With Unknown Dead Zone. IEEE Transactions on Fuzzy Systems, 2014, 22, 237-248.	9.8	110
49	A Force-Reflection Algorithm for Improved Transparency in Bilateral Teleoperation With Communication Delay. IEEE/ASME Transactions on Mechatronics, 2007, 12, 361-374.	5.8	109
50	Adaptive Neural Synchronization Control for Bilateral Teleoperation Systems With Time Delay and Backlash-Like Hysteresis. IEEE Transactions on Cybernetics, 2017, 47, 3018-3026.	9.5	103
51	Secondary Peak Detection of PPG Signal for Continuous Cuffless Arterial Blood Pressure Measurement. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1431-1439.	4.7	102
52	Adaptive fuzzy dynamic surface control of flexible-joint robot systems with input saturation. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 97-107.	13.1	102
53	Approximation-Based Adaptive Neural Control Design for a Class of Nonlinear Systems. IEEE Transactions on Cybernetics, 2014, 44, 610-619.	9.5	101
54	Dynamic Learning From Neural Control for Strict-Feedback Systems With Guaranteed Predefined Performance. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2564-2576.	11.3	99

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55	On the model-based approach to nonlinear networked control systems. <i>Automatica</i> , 2008, 44, 2409-2414.	5.0	93
56	Output-Feedback Adaptive Control of Networked Teleoperation System With Time-Varying Delay and Bounded Inputs. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2009-2020.	5.8	93
57	A Game-Theoretical Scheme in the Smart Grid With Demand-Side Management: Towards a Smart Cyber-Physical Power Infrastructure. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2013, 1, 22-32.	4.6	92
58	Existence, uniqueness, and exponential stability analysis for complex-valued memristor-based BAM neural networks with time delays. <i>Applied Mathematics and Computation</i> , 2017, 311, 100-117.	2.2	90
59	Bilateral Control of Teleoperation Systems With Time Delay. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 1-12.	5.8	86
60	Stochastic Small-Signal Stability Analysis of Grid-Connected Photovoltaic Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 1027-1038.	7.9	85
61	A control scheme for stable force-reflecting teleoperation over IP networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006, 36, 930-939.	5.0	81
62	Nonlinear adaptive control for quadrotor flying vehicle. <i>Nonlinear Dynamics</i> , 2014, 78, 117-133.	5.2	81
63	Adaptive Fuzzy Fast Finite-Time Dynamic Surface Tracking Control for Nonlinear Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 4337-4348.	5.4	80
64	Adaptive fuzzy funnel control for a class of strict feedback nonlinear systems. <i>Neurocomputing</i> , 2017, 241, 71-80.	5.9	78
65	Adaptive backstepping H ∞ tracking control with prescribed performance for internet congestion. <i>ISA Transactions</i> , 2018, 72, 92-99.	5.7	77
66	Hybrid dilation and attention residual U-Net for medical image segmentation. <i>Computers in Biology and Medicine</i> , 2021, 134, 104449.	7.0	75
67	Finite-Time Stabilizability and Instabilizability for Complex-Valued Memristive Neural Networks With Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2371-2382.	9.3	74
68	Improving Trajectory Tracking in Wave-Variable-Based Teleoperation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2010, 15, 321-326.	5.8	72
69	Sonar image segmentation based on GMRF and level-set models. <i>Ocean Engineering</i> , 2010, 37, 891-901.	4.3	71
70	Adaptive fuzzy tracking control for a class of pure-feedback stochastic nonlinear systems with non-lower triangular structure. <i>Fuzzy Sets and Systems</i> , 2016, 302, 101-120.	2.7	70
71	Convergence Analysis of Teleoperation Systems With Unsymmetric Time-Varying Delays. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2009, 56, 240-244.	3.0	69
72	Robust Adaptive Fuzzy Output Feedback Control System for Robot Manipulators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 288-296.	5.8	69

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73	Improving Haptic Feedback Fidelity in Wave-Variable-Based Teleoperation Orientated to Telemedical Applications. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2847-2855.	4.7	67
74	Teleoperation Over the Internet With/Without Velocity Signal. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 4-13.	4.7	67
75	Modeling and Stability Analysis of Automatic Generation Control Over Cognitive Radio Networks in Smart Grids. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 223-234.	9.3	67
76	Highly Undersampled Magnetic Resonance Image Reconstruction Using Two-Level Bregman Method With Dictionary Updating. IEEE Transactions on Medical Imaging, 2013, 32, 1290-1301.	8.9	66
77	Convergence analysis of estimation algorithms for dual-rate stochastic systems. Applied Mathematics and Computation, 2006, 176, 245-261.	2.2	65
78	Distributed Combined Authentication and Intrusion Detection With Data Fusion in High-Security Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 1025-1036.	6.3	65
79	A Multichannel IOS Small Gain Theorem for Systems With Multiple Time-Varying Communication Delays. IEEE Transactions on Automatic Control, 2009, 54, 404-409.	5.7	57
80	A New Coordinated Slave Torque Feedback Control Algorithm for Network-Based Teleoperation Systems. IEEE/ASME Transactions on Mechatronics, 2013, 18, 764-774.	5.8	55
81	Adaptive control for nonlinear MIMO time-delay systems based on fuzzy approximation. Information Sciences, 2013, 222, 576-592.	6.9	55
82	Adaptive fuzzy asymptotical tracking control of nonlinear systems with unmodeled dynamics and quantized actuator. Information Sciences, 2021, 575, 779-792.	6.9	55
83	An Embedded Fuzzy Controller for a Behavior-Based Mobile Robot With Guaranteed Performance. IEEE Transactions on Fuzzy Systems, 2004, 12, 436-446.	9.8	54
84	Adaptive Near-Optimal Control of Uncertain Systems With Application to Underactuated Surface Vessels. IEEE Transactions on Control Systems Technology, 2018, 26, 1204-1218.	5.2	54
85	Fuzzy Finite-Time Command Filtering Output Feedback Control of Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 97-107.	9.8	53
86	Adaptive Finite-Time Fuzzy Funnel Control for Nonaffine Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2894-2903.	9.3	52
87	Robust adaptive fuzzy fault-tolerant control for a class of non-lower-triangular nonlinear systems with actuator failures. Information Sciences, 2016, 336, 60-74.	6.9	51
88	RBFNN-based nonsingular fast terminal sliding mode control for robotic manipulators including actuator dynamics. Neurocomputing, 2019, 362, 72-82.	5.9	51
89	Online Data-Driven Fuzzy Clustering With Applications to Real-Time Robotic Tracking. IEEE Transactions on Fuzzy Systems, 2004, 12, 516-523.	9.8	50
90	Structural Results for Combined Continuous User Authentication and Intrusion Detection in High Security Mobile Ad-Hoc Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3064-3073.	9.2	49

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91	Modelling and stabilisation of networked control system with packet loss and time-varying delays. IET Control Theory and Applications, 2010, 4, 1094-1100.	2.1	47
92	Modeling and distributed gain scheduling strategy for load frequency control in smart grids with communication topology changes. ISA Transactions, 2014, 53, 454-461.	5.7	47
93	Adaptive robust fault-tolerant control for nonlinear systems with prescribed performance. Nonlinear Dynamics, 2015, 81, 1727-1739.	5.2	46
94	An approach to boundary detection for 3D point clouds based on DBSCAN clustering. Pattern Recognition, 2022, 124, 108431.	8.1	46
95	Stability Analysis of Grid-Interfacing Inverter Control in Distribution Systems With Multiple Photovoltaic-Based Distributed Generators. IEEE Transactions on Industrial Electronics, 2016, 63, 7339-7348.	7.9	45
96	A Double Evolutionary Learning Moth-Flame Optimization for Real-Parameter Global Optimization Problems. IEEE Access, 2018, 6, 76700-76727.	4.2	44
97	Event-triggered adaptive tracking control for uncertain nonlinear systems based on a new funnel function. ISA Transactions, 2020, 99, 130-138.	5.7	44
98	Highly undersampled magnetic resonance imaging reconstruction using autoencoding priors. Magnetic Resonance in Medicine, 2020, 83, 322-336.	3.0	44
99	Hammerstein model identification based on bacterial foraging. Electronics Letters, 2006, 42, 1332.	1.0	43
100	Stability of bilateral teleoperators with generalized projection-based force reflection algorithms. Automatica, 2012, 48, 1005-1016.	5.0	43
101	GcsDecolor: Gradient Correlation Similarity for Efficient Contrast Preserving Decolorization. IEEE Transactions on Image Processing, 2015, 24, 2889-2904.	9.8	42
102	Robust fuzzy adaptive funnel control of nonlinear systems with dynamic uncertainties. Neurocomputing, 2018, 314, 299-309.	5.9	42
103	A stochastic game approach to the security issue of networked control systems under jamming attacks. Journal of the Franklin Institute, 2014, 351, 4570-4583.	3.4	41
104	Auxiliary model-based interval-varying multi-innovation least squares identification for multivariable OE-like systems with scarce measurements. Journal of Process Control, 2015, 35, 154-168.	3.3	41
105	A New Deformation Model of Biological Tissue for Surgery Simulation. IEEE Transactions on Cybernetics, 2017, 47, 3494-3503.	9.5	41
106	Vision-Based Fatigue Driving Recognition Method Integrating Heart Rate and Facial Features. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3089-3100.	8.0	41
107	Dynamic pricing for demand-side management in the smart grid. , 2011, , .		39
108	A Nonlinear Viscoelastic Tensor-Mass Visual Model for Surgery Simulation. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 14-20.	4.7	38

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109	Variable augmented neural network for decolorization and multi-exposure fusion. Information Fusion, 2019, 46, 114-127.	19.1	38
110	Adaptive Shared Control for a Novel Mobile Assistive Robot. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1725-1736.	5.8	37
111	Adaptive fuzzy funnel congestion control for TCP/AQM network. ISA Transactions, 2019, 95, 11-17.	5.7	37
112	An End-to-End Transmission Architecture for the Remote Control of Robots Over IP Networks. IEEE/ASME Transactions on Mechatronics, 2005, 10, 560-570.	5.8	36
113	Detail-Preserving Image Denoising via Adaptive Clustering and Progressive PCA Thresholding. IEEE Access, 2018, 6, 6303-6315.	4.2	36
114	Exponential input-to-state stability for complex-valued memristor-based BAM neural networks with multiple time-varying delays. Neurocomputing, 2018, 275, 2041-2054.	5.9	36
115	Finite-Time Prescribed Performance Control for Spacecraft Attitude Tracking. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3087-3098.	5.8	36
116	A New Hybrid Soft Tissue Model for Visio-Haptic Simulation. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3570-3581.	4.7	35
117	Adaptive neural data-based compensation control of nonlinear systems with dynamic uncertainties and input saturation. IET Control Theory and Applications, 2015, 9, 1058-1065.	2.1	35
118	Finite-Time Feedforward Decoupling and Precise Decentralized Control for DC Microgrids Towards Large-Signal Stability. IEEE Transactions on Smart Grid, 2020, 11, 391-402.	9.0	35
119	Projection-Based Force Reflection Algorithm for Stable Bilateral Teleoperation Over Networks. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1854-1865.	4.7	34
120	An Emerging Wearable World: New Gadgetry Produces a Rising Tide of Changes and Challenges. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 6-14.	1.4	34
121	Moving Object Segmentation and Detection for Robust RGBD-SLAM in Dynamic Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	34
122	Adaptive Practical Fixed-Time Tracking Control With Prescribed Boundary Constraints. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1716-1726.	5.4	34
123	Using neural network function approximation for optimal design of continuous-state parallel-series systems. Computers and Operations Research, 2003, 30, 339-352.	4.0	33
124	Teleoperation Systems With Symmetric and Unsymmetric Time Varying Communication Delay. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2943-2953.	4.7	33
125	Finite-time prescribed performance adaptive fuzzy control for unknown nonlinear systems. Fuzzy Sets and Systems, 2021, 402, 16-34.	2.7	33
126	Nonlinear control for teleoperation systems with time varying delay. Nonlinear Dynamics, 2014, 76, 931-954.	5.2	32

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127	Fixed-time adaptive event-triggered tracking control of uncertain nonlinear systems. <i>Nonlinear Dynamics</i> , 2020, 100, 3381-3397.	5.2	32
128	Event-triggered finite-time adaptive neural control for nonlinear non-strict-feedback time-delay systems with disturbances. <i>Information Sciences</i> , 2020, 536, 1-24.	6.9	32
129	Online Robot Kinematic Calibration Using Hybrid Filter With Multiple Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7092-7107.	4.7	32
130	PD Output Feedback Control Design for Industrial Robotic Manipulators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 187-197.	5.8	31
131	Augmented Lagrangian-Based Sparse Representation Method with Dictionary Updating for Image Deblurring. <i>SIAM Journal on Imaging Sciences</i> , 2013, 6, 1689-1718.	2.2	31
132	Adaptive fuzzy decentralized control for a class of pure-feedback large-scale nonlinear systems. <i>Nonlinear Dynamics</i> , 2014, 75, 449-460.	5.2	31
133	A high-resolution model for soft tissue deformation based on point primitives. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 148, 113-121.	4.7	31
134	Adaptive prescribed performance tracking control for strict-feedback nonlinear systems with zero dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 6507-6521.	3.7	31
135	Adaptive fuzzy finite-time control of stochastic nonlinear systems with actuator faults. <i>Nonlinear Dynamics</i> , 2021, 104, 523-536.	5.2	31
136	Stabilization of non-linear differential-algebraic equation systems. <i>International Journal of Control</i> , 2004, 77, 671-684.	1.9	30
137	Multi-class classification for steel surface defects based on machine learning with quantile hyper-spheres. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 168, 15-27.	3.5	30
138	Distributed Model-Based Control and Scheduling for Load Frequency Regulation of Smart Grids Over Limited Bandwidth Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 1814-1823.	11.3	30
139	Finite-Time Stability for Delayed Complex-Valued BAM Neural Networks. <i>Neural Processing Letters</i> , 2018, 48, 179-193.	3.2	30
140	Adaptive tracking control of high-order nonlinear systems under asymmetric output constraint. <i>Automatica</i> , 2020, 122, 109281.	5.0	30
141	Fuzzy Finite-Time Tracking Control for a Class of Nonaffine Nonlinear Systems With Unknown Dead Zones. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 452-463.	9.3	30
142	Guaranteed cost control of T&E fuzzy systems with input delay. <i>International Journal of Robust and Nonlinear Control</i> , 2008, 18, 1230-1256.	3.7	29
143	Accurate vessel extraction via tensor completion of background layer in X-ray coronary angiograms. <i>Pattern Recognition</i> , 2019, 87, 38-54.	8.1	29
144	New stability and tracking criteria for a class of bilateral teleoperation systems. <i>Information Sciences</i> , 2014, 278, 868-882.	6.9	28

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145	Data Communications for Internet Robots. <i>Autonomous Robots</i> , 2003, 15, 213-223.	4.8	27
146	Semi-Parametric Decolorization with Laplacian-based Perceptual Quality Metric. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016, , 1-1.	8.3	27
147	A TSK-Type Convolutional Recurrent Fuzzy Network for Predicting Driving Fatigue. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2100-2111.	9.8	27
148	A Brain Storm Optimization With Multi-Information Interactions for Global Optimization Problems. <i>IEEE Access</i> , 2018, 6, 19304-19323.	4.2	26
149	Design of an accurate end-of-arm force display system based on wearable arm gesture sensors and EMG sensors. <i>Information Fusion</i> , 2018, 39, 178-185.	19.1	26
150	Observer-based adaptive fuzzy funnel control for strict-feedback nonlinear systems with unknown control coefficients. <i>Neurocomputing</i> , 2019, 358, 467-478.	5.9	26
151	Congestion tracking control for uncertain TCP/AQM network based on integral backstepping. <i>ISA Transactions</i> , 2019, 89, 131-138.	5.7	26
152	MRI denoising using progressively distribution-based neural network. <i>Magnetic Resonance Imaging</i> , 2020, 71, 55-68.	1.8	26
153	Multi-Channel and Multi-Model-Based Autoencoding Prior for Grayscale Image Restoration. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 142-156.	9.8	25
154	CD-Net: Comprehensive Domain Network With Spectral Complementary for DECT Sparse-View Reconstruction. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 436-447.	4.4	25
155	Position-Error Based Schemes for Bilateral Teleoperation With Time Delay: Theory and Experiments. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010, 132, .	1.6	24
156	Structural evolution of the membrane-coating module of the nuclear pore complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16498-16503.	7.1	24
157	An augmented Lagrangian approach to general dictionary learning for image denoising. <i>Journal of Visual Communication and Image Representation</i> , 2012, 23, 753-766.	2.8	24
158	Adaptive neural control for a general class of pure-feedback stochastic nonlinear systems. <i>Neurocomputing</i> , 2014, 135, 348-356.	5.9	24
159	Fuzzy-approximation-based decentralized adaptive control for pure-feedback large-scale nonlinear systems with time-delay. <i>Neural Computing and Applications</i> , 2015, 26, 151-160.	5.6	24
160	A Simple Brain Storm Optimization Algorithm With a Periodic Quantum Learning Strategy. <i>IEEE Access</i> , 2018, 6, 19968-19983.	4.2	24
161	Robust adaptive tracking control of uncertain electrostatic micro-actuators with H-infinity performance. <i>Mechatronics</i> , 2009, 19, 591-597.	3.3	23
162	Log-Euclidean Metrics for Contrast Preserving Decolorization. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 5772-5783.	9.8	23

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163	Effects of correlated photovoltaic power and load uncertainties on grid-connected microgrid day-ahead scheduling. IET Generation, Transmission and Distribution, 2017, 11, 3620-3627.	2.5	23
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