

Han-Xiong Li

List of Publications by Year in descending order

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332
papers

11,826
citations

24978

57
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93
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335
all docs

335
docs citations

335
times ranked

6046
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy adaptive sliding-mode control for mimo nonlinear systems. IEEE Transactions on Fuzzy Systems, 2003, 11, 354-360.	6.5	325
2	Global Asymptotical Stability of Recurrent Neural Networks With Multiple Discrete Delays and Distributed Delays. IEEE Transactions on Neural Networks, 2006, 17, 1646-1651.	4.8	280
3	Differential evolution based on covariance matrix learning and bimodal distribution parameter setting. Applied Soft Computing Journal, 2014, 18, 232-247.	4.1	275
4	A hybrid adaptive fuzzy control for a class of nonlinear MIMO systems. IEEE Transactions on Fuzzy Systems, 2003, 11, 24-34.	6.5	273
5	Conventional fuzzy control and its enhancement. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 791-797.	5.5	252
6	Modeling of distributed parameter systems for applicationsâ€”A synthesized review from timeâ€”space separation. Journal of Process Control, 2010, 20, 891-901.	1.7	240
7	Quantum Reinforcement Learning. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1207-1220.	5.5	232
8	New Approach to Delay-Dependent Stability Analysis and Stabilization for Continuous-Time Fuzzy Systems With Time-Varying Delay. IEEE Transactions on Fuzzy Systems, 2007, 15, 482-493.	6.5	228
9	A probabilistic fuzzy logic system for modeling and control. IEEE Transactions on Fuzzy Systems, 2005, 13, 848-859.	6.5	166
10	A new methodology for designing a fuzzy logic controller. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 505-512.	0.9	164
11	Robust Stability of Switched Cohenâ€”Grossberg Neural Networks With Mixed Time-Varying Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1356-1363.	5.5	159
12	MOMMOP: Multiobjective Optimization for Locating Multiple Optimal Solutions of Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2015, 45, 830-843.	6.2	157
13	Dynamic analysis of a fractional-order Lorenz chaotic systemâ†. Chaos, Solitons and Fractals, 2009, 42, 1181-1189.	2.5	156
14	Observer-based adaptive fuzzy control for SISO nonlinear systems. Fuzzy Sets and Systems, 2004, 148, 355-376.	1.6	154
15	An Improved Robust Fuzzy-PID Controller With Optimal Fuzzy Reasoning. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 1283-1294.	5.5	153
16	Fuzzy Boundary Control Design for a Class of Nonlinear Parabolic Distributed Parameter Systems. IEEE Transactions on Fuzzy Systems, 2014, 22, 642-652.	6.5	153
17	Incorporating Objective Function Information Into the Feasibility Rule for Constrained Evolutionary Optimization. IEEE Transactions on Cybernetics, 2016, 46, 2938-2952.	6.2	153
18	Spectral-approximation-based intelligent modeling for distributed thermal processes. IEEE Transactions on Control Systems Technology, 2005, 13, 686-700.	3.2	148

#	ARTICLE	IF	CITATIONS
19	Adaptive Fuzzy Decentralized Control for a Class of Large-Scale Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 770-775.	5.5	137
20	Robust stability analysis of switched Hopfield neural networks with time-varying delay under uncertainty. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 345, 345-354.	0.9	137
21	Fuzzy clustering with the entropy of attribute weights. Neurocomputing, 2016, 198, 125-134.	3.5	132
22	H $_{\infty}$ Fuzzy Observer-Based Control for a Class of Nonlinear Distributed Parameter Systems With Control Constraints. IEEE Transactions on Fuzzy Systems, 2008, 16, 502-516.	6.5	126
23	Design of distributed fuzzy controllers with constraint for nonlinear hyperbolic PDE systems. Automatica, 2012, 48, 2535-2543.	1.2	122
24	Boundary Antidisturbance Control of a Spatially Nonlinear Flexible String System. IEEE Transactions on Industrial Electronics, 2020, 67, 4846-4856.	5.2	122
25	Fidelity-Based Probabilistic Q-Learning for Control of Quantum Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 920-933.	7.2	119
26	Adaptive Optimal Control of Highly Dissipative Nonlinear Spatially Distributed Processes With Neuro-Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 684-696.	7.2	115
27	Dead Zone Compensation and Adaptive Vibration Control of Uncertain Spatial Flexible Riser Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1398-1408.	3.7	112
28	Composite Differential Evolution for Constrained Evolutionary Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1482-1495.	5.9	111
29	A connector-based hierarchical approach to assembly sequence planning for mechanical assemblies. CAD Computer Aided Design, 2003, 35, 37-56.	1.4	105
30	Fuzzy robust tracking control for uncertain nonlinear systems. International Journal of Approximate Reasoning, 2002, 30, 73-90.	1.9	98
31	A Probabilistic Neural-Fuzzy Learning System for Stochastic Modeling. IEEE Transactions on Fuzzy Systems, 2008, 16, 898-908.	6.5	97
32	Direct adaptive fuzzy output tracking control of nonlinear systems. Fuzzy Sets and Systems, 2002, 128, 107-115.	1.6	96
33	Boundary adaptive fault-tolerant control for a flexible Timoshenko arm with backlash-like hysteresis. Automatica, 2021, 130, 109690.	3.0	93
34	A Variable Projection Approach for Efficient Estimation of RBF-ARX Model. IEEE Transactions on Cybernetics, 2015, 45, 462-471.	6.2	92
35	Synchronization criteria of Lur \hat{e} systems with time-delay feedback control. Chaos, Solitons and Fractals, 2005, 23, 1285-1298.	2.5	92
36	Finite-Dimensional Constrained Fuzzy Control for a Class of Nonlinear Distributed Process Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1422-1430.	5.5	87

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37	Distributed Proportional-Spatial Derivative Control of Nonlinear Parabolic Systems via Fuzzy PDE Modeling Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 927-938.	5.5	87
38	Exponential Stabilization for a Class of Nonlinear Parabolic PDE Systems via Fuzzy Control Approach. IEEE Transactions on Fuzzy Systems, 2012, 20, 318-329.	6.5	87
39	A Collaborative Fuzzy Clustering Algorithm in Distributed Network Environments. IEEE Transactions on Fuzzy Systems, 2014, 22, 1443-1456.	6.5	85
40	An approximate internal model-based neural control for unknown nonlinear discrete processes. IEEE Transactions on Neural Networks, 2006, 17, 659-670.	4.8	83
41	Utilizing cumulative population distribution information in differential evolution. Applied Soft Computing Journal, 2016, 48, 329-346.	4.1	81
42	Distributed Fuzzy Control Design of Nonlinear Hyperbolic PDE Systems With Application to Nonisothermal Plug-Flow Reactor. IEEE Transactions on Fuzzy Systems, 2011, 19, 514-526.	6.5	80
43	Spatio-Temporal Modeling of Nonlinear Distributed Parameter Systems. , 2011, , .		80
44	Adaptive generalized function projective synchronization of uncertain chaotic systems. Nonlinear Analysis: Real World Applications, 2010, 11, 2456-2464.	0.9	79
45	Spatially Piecewise Fuzzy Control Design for Sampled-Data Exponential Stabilization of Semilinear Parabolic PDE Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2967-2980.	6.5	79
46	Locating Multiple Optimal Solutions of Nonlinear Equation Systems Based on Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2015, 19, 414-431.	7.5	78
47	Neuro-Fuzzy Dynamic-Inversion-Based Adaptive Control for Robotic Manipulators—Discrete Time Case. IEEE Industrial Electronics Magazine, 2007, 54, 1342-1351.	2.3	72
48	Deep Learning-Based Model Reduction for Distributed Parameter Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1664-1674.	5.9	71
49	Adaptive hybrid projective synchronization of uncertain chaotic systems based on backstepping design. Nonlinear Analysis: Real World Applications, 2011, 12, 388-393.	0.9	70
50	Decomposition-Based Multiobjective Optimization for Constrained Evolutionary Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 574-587.	5.9	69
51	A comparative design and tuning for conventional fuzzy control. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 884-889.	5.5	68
52	A Membership-Function-Dependent Approach to Design Fuzzy Pointwise State Feedback Controller for Nonlinear Parabolic Distributed Parameter Systems With Spatially Discrete Actuators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1486-1499.	5.9	67
53	Vibration Control for Spatial Aerial Refueling Hoses With Bounded Actuators. IEEE Transactions on Industrial Electronics, 2021, 68, 4209-4217.	5.2	67
54	The synchronization of fractional-order Rössler hyperchaotic systems. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1393-1403.	1.2	66

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55	A Saturation-Based Tuning Method for Fuzzy PID Controller. IEEE Transactions on Industrial Electronics, 2013, 60, 5177-5185.	5.2	66
56	A Three-Dimensional Fuzzy Control Methodology for a Class of Distributed Parameter Systems. IEEE Transactions on Fuzzy Systems, 2007, 15, 470-481.	6.5	64
57	Feedback-Linearization-Based Neural Adaptive Control for Unknown Nonaffine Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks, 2008, 19, 1615-1625.	4.8	63
58	A time/space separation-based Hammerstein modeling approach for nonlinear distributed parameter processes. Computers and Chemical Engineering, 2009, 33, 1247-1260.	2.0	61
59	A fuzzy adaptive variable structure controller with applications to robot manipulators. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 331-340.	5.5	58
60	A Simple Model-Based Approach for Fluid Dispensing Analysis and Control. IEEE/ASME Transactions on Mechatronics, 2007, 12, 491-503.	3.7	56
61	Time/Space-Separation-Based SVM Modeling for Nonlinear Distributed Parameter Processes. Industrial & Engineering Chemistry Research, 2011, 50, 332-341.	1.8	56
62	A Spatiotemporal Estimation Method for Temperature Distribution in Lithium-Ion Batteries. IEEE Transactions on Industrial Informatics, 2014, 10, 2300-2307.	7.2	56
63	Sampled-Data Fuzzy Control for Nonlinear Coupled Parabolic PDE-ODE Systems. IEEE Transactions on Cybernetics, 2017, 47, 2603-2615.	6.2	54
64	Fuzzy Estimation of Feed-Cutting Force From Current Measurement—A Case Study on Intelligent Tool Wear Condition Monitoring. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2004, 34, 506-512.	3.3	53
65	A spatio-temporal Volterra modeling approach for a class of distributed industrial processes. Journal of Process Control, 2009, 19, 1126-1142.	1.7	52
66	Probabilistic support vector machines for classification of noise affected data. Information Sciences, 2013, 221, 60-71.	4.0	52
67	Hybrid Control for Robot Navigation - A Hierarchical Q-Learning Algorithm. IEEE Robotics and Automation Magazine, 2008, 15, 37-47.	2.2	51
68	Effective Tuning Method for Fuzzy PID with Internal Model Control. Industrial & Engineering Chemistry Research, 2008, 47, 8317-8323.	1.8	50
69	Gradient Radial Basis Function Based Varying-Coefficient Autoregressive Model for Nonlinear and Nonstationary Time Series. IEEE Signal Processing Letters, 2015, 22, 809-812.	2.1	50
70	Comparative study of fluid dispensing modeling. IEEE Transactions on Electronics Packaging Manufacturing, 2003, 26, 273-280.	1.6	49
71	Design a Wind Speed Prediction Model Using Probabilistic Fuzzy System. IEEE Transactions on Industrial Informatics, 2012, 8, 819-827.	7.2	49
72	Hybrid intelligent control strategy. Supervising a DCS-controlled batch process. IEEE Control Systems, 2001, 21, 36-48.	1.0	47

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73	Robust Stabilization of the Distributed Parameter System With Time Delay via Fuzzy Control. IEEE Transactions on Fuzzy Systems, 2008, 16, 567-584.	6.5	47
74	Dual-mode predictive control algorithm for constrained Hammerstein systems. International Journal of Control, 2008, 81, 1609-1625.	1.2	46
75	Adaptive Neural Control Design for Nonlinear Distributed Parameter Systems With Persistent Bounded Disturbances. IEEE Transactions on Neural Networks, 2009, 20, 1630-1644.	4.8	46
76	Novel results concerning global robust stability of delayed neural networks. Nonlinear Analysis: Real World Applications, 2006, 7, 458-469.	0.9	44
77	Rate-dependent hysteresis modeling and compensation of piezoelectric actuators using Gaussian process. Sensors and Actuators A: Physical, 2019, 295, 357-365.	2.0	43
78	Incremental Reinforcement Learning With Prioritized Sweeping for Dynamic Environments. IEEE/ASME Transactions on Mechatronics, 2019, 24, 621-632.	3.7	43
79	A Multiobjective Optimization Based Fuzzy Control for Nonlinear Spatially Distributed Processes With Application to a Catalytic Rod. IEEE Transactions on Industrial Informatics, 2012, 8, 860-868.	7.2	42
80	Stochastically exponential stability and stabilization of uncertain linear hyperbolic PDE systems with Markov jumping parameters. Automatica, 2012, 48, 569-576.	3.0	42
81	Classification of Diffusion Tensor Metrics for the Diagnosis of a Myelopathic Cord Using Machine Learning. International Journal of Neural Systems, 2018, 28, 1750036.	3.2	42
82	Weibull and inverse Weibull mixture models allowing negative weights. Reliability Engineering and System Safety, 1999, 66, 227-234.	5.1	41
83	Nonlinear dimension reduction based neural modeling for distributed parameter processes. Chemical Engineering Science, 2009, 64, 4164-4170.	1.9	41
84	Prediction of myelopathic level in cervical spondylotic myelopathy using diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2015, 41, 1682-1688.	1.9	41
85	Eigenspectrum-Based Iterative Learning Control for a Class of Distributed Parameter System. IEEE Transactions on Automatic Control, 2017, 62, 824-836.	3.6	41
86	A Novel Neural Approximate Inverse Control for Unknown Nonlinear Discrete Dynamical Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 115-123.	5.5	40
87	A Karhunen-Loève Decomposition-Based Wiener Modeling Approach for Nonlinear Distributed Parameter Processes. Industrial & Engineering Chemistry Research, 2008, 47, 4184-4192.	1.8	40
88	Model-Based Integration of Control and Supervision For One Kind of Curing Process. IEEE Transactions on Electronics Packaging Manufacturing, 2004, 27, 177-186.	1.6	39
89	Integrated modelling of a time-pressure fluid dispensing system for electronics manufacturing. International Journal of Advanced Manufacturing Technology, 2005, 26, 1-9.	1.5	39
90	Robust adaptive neural observer design for a class of nonlinear parabolic PDE systems. Journal of Process Control, 2011, 21, 1172-1182.	1.7	39

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91	A Galerkin/Neural-Network-Based Design of Guaranteed Cost Control for Nonlinear Distributed Parameter Systems. IEEE Transactions on Neural Networks, 2008, 19, 795-807.	4.8	38
92	Stabilization of an unstable reaction-diffusion PDE cascaded with a heat equation. Systems and Control Letters, 2015, 76, 8-18.	1.3	38
93	MASTER-SLAVE SYNCHRONIZATION OF GENERAL LUR'E SYSTEMS WITH TIME-VARYING DELAY AND PARAMETER UNCERTAINTY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 281-294.	0.7	37
94	ISOMAP-Based Spatiotemporal Modeling for Lithium-Ion Battery Thermal Process. IEEE Transactions on Industrial Informatics, 2018, 14, 569-577.	7.2	37
95	A multi-channel spatio-temporal Hammerstein modeling approach for nonlinear distributed parameter processes. Journal of Process Control, 2009, 19, 85-99.	1.7	35
96	Spatially Constrained Fuzzy-Clustering-Based Sensor Placement for Spatiotemporal Fuzzy-Control System. IEEE Transactions on Fuzzy Systems, 2010, 18, 946-957.	6.5	35
97	An Efficient Variable Projection Formulation for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2014, 44, 707-711.	6.2	35
98	An Efficient Configuration for Probabilistic Fuzzy Logic System. IEEE Transactions on Fuzzy Systems, 2012, 20, 898-909.	6.5	34
99	Extreme learning machine based spatiotemporal modeling of lithium-ion battery thermal dynamics. Journal of Power Sources, 2015, 277, 228-238.	4.0	34
100	Quantitative design and analysis of fuzzy proportional-integral-derivative control a step towards autotuning. International Journal of Systems Science, 2000, 31, 545-553.	3.7	33
101	Multivariable fuzzy supervisory control for the laminar cooling process of hot rolled slab. IEEE Transactions on Control Systems Technology, 2001, 9, 348-356.	3.2	33
102	Real-Time Estimation of Temperature Distribution for Cylindrical Lithium-Ion Batteries Under Boundary Cooling. IEEE Transactions on Industrial Electronics, 2017, 64, 2316-2324.	5.2	33
103	Kernel-Based Random Vector Functional-Link Network for Fast Learning of Spatiotemporal Dynamic Processes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1016-1026.	5.9	33
104	A robust disturbance-based control and its application. International Journal of Control, 1993, 58, 537-554.	1.2	32
105	A Conceptual Approach to Integrate Design and Control for the Epoxy Dispensing Process. International Journal of Advanced Manufacturing Technology, 2001, 17, 677-682.	1.5	32
106	Dynamic switching based fuzzy control strategy for a class of distributed parameter system. Journal of Process Control, 2014, 24, 88-97.	1.7	32
107	Data-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed Processes. Industrial & Engineering Chemistry Research, 2014, 53, 8106-8119.	1.8	32
108	Local-Properties-Embedding-Based Nonlinear Spatiotemporal Modeling for Lithium-Ion Battery Thermal Process. IEEE Transactions on Industrial Electronics, 2018, 65, 9767-9776.	5.2	32

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109	An improved teaching-learning-based optimization for constrained evolutionary optimization. <i>Information Sciences</i> , 2018, 456, 131-144.	4.0	32
110	Neuro-fuzzy adaptive control based on dynamic inversion for robotic manipulators. <i>Fuzzy Sets and Systems</i> , 2003, 134, 117-133.	1.6	31
111	A hybrid approach for supervisory control of furnace temperature. <i>Control Engineering Practice</i> , 2003, 11, 1325-1334.	3.2	31
112	Robustness of fuzzy PID controller due to its inherent saturation. <i>Journal of Process Control</i> , 2012, 22, 470-476.	1.7	31
113	A Sliding Window Based Dynamic Spatiotemporal Modeling for Distributed Parameter Systems With Time-Dependent Boundary Conditions. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2044-2053.	7.2	31
114	Fuzzy guaranteed cost sampled-data control of nonlinear systems coupled with a scalar reactionâ€‘diffusion process. <i>Fuzzy Sets and Systems</i> , 2016, 302, 121-142.	1.6	30
115	Reinforcement Learning-Based Optimal Sensor Placement for Spatiotemporal Modeling. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2861-2871.	6.2	30
116	Estimator-Based H_{∞} Sampled-Data Fuzzy Control for Nonlinear Parabolic PDE Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2491-2500.	5.9	30
117	Intelligence-based hybrid control for power plant boiler. <i>IEEE Transactions on Control Systems Technology</i> , 2002, 10, 280-287.	3.2	29
118	Analytical Study and Stability Design of a 3-D Fuzzy Logic Controller for Spatially Distributed Dynamic Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2008, 16, 1613-1625.	6.5	29
119	A novel neural internal model control for multi-input multi-output nonlinear discrete-time processes. <i>Journal of Process Control</i> , 2009, 19, 1392-1400.	1.7	29
120	Incremental Spatiotemporal Learning for Online Modeling of Distributed Parameter Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2612-2622.	5.9	29
121	Spatial Correlation-Based Incremental Learning for Spatiotemporal Modeling of Battery Thermal Process. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2885-2893.	5.2	29
122	Vibration control of a rotorâ€‘bearing system using shape memory alloy: I. Theory. <i>Smart Materials and Structures</i> , 2007, 16, 114-121.	1.8	28
123	Fuzzy Control Design for Nonlinear ODE-Hyperbolic PDE-Cascaded Systems: A Fuzzy and Entropy-Like Lyapunov Function Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2014, 22, 1313-1324.	6.5	28
124	Evolutionary Design of Spatioâ€‘Temporal Learning Model for Thermal Distribution in Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2838-2848.	7.2	28
125	Basis Function Matrix-Based Flexible Coefficient Autoregressive Models: A Framework for Time Series and Nonlinear System Modeling. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 614-623.	6.2	28
126	Least Square Regularized Regression in Sum Space. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 635-646.	7.2	27

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127	Dynamic Spatial-Independent-Component-Analysis-Based Abnormality Localization for Distributed Parameter Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 2929-2936.	7.2	27
128	Integrated fuzzy modeling and adaptive control for nonlinear systems. Information Sciences, 2003, 153, 217-236.	4.0	26
129	PSO-based intelligent integration of design and control for one kind of curing process. Journal of Process Control, 2010, 20, 1116-1125.	1.7	26
130	Probabilistic Inference-Based Least Squares Support Vector Machine for Modeling Under Noisy Environment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1703-1710.	5.9	26
131	Detection and Spatial Identification of Fault for Parabolic Distributed Parameter Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 7300-7309.	5.2	26
132	Quantized Sampled-Data Synchronization of Delayed Reactionâ€“Diffusion Neural Networks Under Spatially Point Measurements. IEEE Transactions on Cybernetics, 2021, 51, 5740-5751.	6.2	26
133	Backstepping-based distributed abnormality localization for linear parabolic distributed parameter systems. Automatica, 2022, 135, 109930.	3.0	26
134	Robust Adaptive Fault-Tolerant Control for a Riser-Vessel System With Input Hysteresis and Time-Varying Output Constraints. IEEE Transactions on Cybernetics, 2023, 53, 3939-3950.	6.2	26
135	Uncertain Data Clustering in Distributed Peer-to-Peer Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2392-2406.	7.2	25
136	A Regularized Variable Projection Algorithm for Separable Nonlinear Least Squares Problems. IEEE Transactions on Automatic Control, 2018, , 1-1.	3.6	25
137	Vibration control of a rotorâ€“bearing system using shape memory alloy: II. Experimental study. Smart Materials and Structures, 2007, 16, 122-127.	1.8	24
138	A probabilistic SVM based decision system for pain diagnosis. Expert Systems With Applications, 2011, 38, 9346-9351.	4.4	24
139	On the selection of solutions for mutation in differential evolution. Frontiers of Computer Science, 2018, 12, 297-315.	1.6	24
140	NOISE INFLUENCE ON ESTIMATION OF SIGNAL PARAMETER FROM THE PHASE DIFFERENCE OF DISCRETE FOURIER TRANSFORMS. Mechanical Systems and Signal Processing, 2002, 16, 991-1004.	4.4	23
141	Guaranteed cost distributed fuzzy observerâ€“based control for a class of nonlinear spatially distributed processes. AIChE Journal, 2013, 59, 2366-2378.	1.8	23
142	A fuzzy-based spatio-temporal multi-modeling for nonlinear distributed parameter processes. Applied Soft Computing Journal, 2014, 25, 309-321.	4.1	23
143	Estimation of multi-frequency signal parameters by frequency domain non-linear least squares. Mechanical Systems and Signal Processing, 2005, 19, 955-973.	4.4	22
144	Probabilistic Regularized Extreme Learning Machine for Robust Modeling of Noise Data. IEEE Transactions on Cybernetics, 2018, 48, 2368-2377.	6.2	22

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145	Sampled-data fuzzy control for a class of nonlinear parabolic distributed parameter systems under spatially point measurements. <i>Fuzzy Sets and Systems</i> , 2019, 374, 60-81.	1.6	22
146	Static Collocated Piecewise Fuzzy Control Design of Quasi-Linear Parabolic PDE Systems Subject to Periodic Boundary Conditions. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 1479-1492.	6.5	22
147	Incremental Reinforcement Learning in Continuous Spaces via Policy Relaxation and Importance Weighting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1870-1883.	7.2	22
148	Modeling and control of time-pressure dispensing for semiconductor manufacturing. <i>International Journal of Automation and Computing</i> , 2007, 4, 422-427.	4.5	21
149	Distributed proportional plus second-order spatial derivative control for distributed parameter systems subject to spatiotemporal uncertainties. <i>Nonlinear Dynamics</i> , 2014, 76, 2041-2058.	2.7	21
150	Dual least squares support vector machines based spatiotemporal modeling for nonlinear distributed thermal processes. <i>Journal of Process Control</i> , 2017, 54, 81-89.	1.7	21
151	Control for Intelligent Manufacturing: A Multiscale Challenge. <i>Engineering</i> , 2017, 3, 608-615.	3.2	21
152	Learning Rates of Regularized Regression With Multiple Gaussian Kernels for Multi-Task Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5408-5418.	7.2	21
153	An adaptive fuzzy penalty method for constrained evolutionary optimization. <i>Information Sciences</i> , 2021, 571, 358-374.	4.0	21
154	A Surrogate-Assisted Teaching-Learning-Based Optimization for Parameter Identification of the Battery Model. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5909-5918.	7.2	21
155	Geometric mouldability analysis by geometric reasoning and fuzzy decision making. <i>CAD Computer Aided Design</i> , 2004, 36, 37-50.	1.4	20
156	Perturbation Theory Based Robust Design Under Model Uncertainty. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	1.7	20
157	SVR Learning-Based Spatiotemporal Fuzzy Logic Controller for Nonlinear Spatially Distributed Dynamic Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 1635-1647.	7.2	20
158	Incorporating PLS model information into particle swarm optimization for descriptor selection in QSAR/QSPR. <i>Journal of Chemometrics</i> , 2015, 29, 627-636.	0.7	20
159	Probabilistic Fuzzy Classification for Stochastic Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2017, 25, 1391-1402.	6.5	20
160	A Sensitivity-Based Group-Wise Parameter Identification Algorithm for the Electric Model of Li-Ion Battery. <i>IEEE Access</i> , 2017, 5, 4377-4387.	2.6	20
161	Mixed Maximum Loss Design for Optic Disc and Optic Cup Segmentation with Deep Learning from Imbalanced Samples. <i>Sensors</i> , 2019, 19, 4401.	2.1	20
162	Fuzzy Control Under Spatially Local Averaged Measurements for Nonlinear Distributed Parameter Systems With Time-Varying Delay. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 1359-1369.	6.2	20

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163	2-Degree-of-Freedom Proportional-Integral-Derivative-Type Controller Incorporating the Smith Principle for Processes with Dead Time. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2448-2454.	1.8	19
164	Integrated Design and Control under Uncertainty: A Fuzzy Modeling Approach. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1312-1324.	1.8	19
165	Adaptive Fuzzy Event-Triggered Control of Aerial Refueling Hose System With Actuator Failures. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2981-2992.	6.5	19
166	Type-2 hierarchical fuzzy system for high-dimensional data-based modeling with uncertainties. <i>Soft Computing</i> , 2012, 16, 1945-1957.	2.1	18
167	A Novel Three-Dimensional Fuzzy Modeling Method for Nonlinear Distributed Parameter Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 489-501.	6.5	18
168	Dual Separation-Based Spatiotemporal Modeling Methodology for Battery Thermal Process Under Nonhomogeneous Boundary Conditions. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 2260-2268.	5.3	18
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