

Han-Xiong Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

290
papers

8,341
citations

49
h-index

77
g-index

334
ext. papers

10,228
ext. citations

5.3
avg, IF

6.82
L-index

#	Paper	IF	Citations
290	Fuzzy adaptive sliding-mode control for MIMO nonlinear systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2003 , 11, 354-360	8.3	273
289	Global asymptotical stability of recurrent neural networks with multiple discrete delays and distributed delays. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1646-51		238
288	A hybrid adaptive fuzzy control for a class of nonlinear MIMO systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2003 , 11, 24-34	8.3	209
287	Differential evolution based on covariance matrix learning and bimodal distribution parameter setting. <i>Applied Soft Computing Journal</i> , 2014 , 18, 232-247	7.5	199
286	New Approach to Delay-Dependent Stability Analysis and Stabilization for Continuous-Time Fuzzy Systems With Time-Varying Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2007 , 15, 482-493	8.3	176
285	Modeling of distributed parameter systems for applications—a synthesized review from time-space separation. <i>Journal of Process Control</i> , 2010 , 20, 891-901	3.9	167
284	Conventional fuzzy control and its enhancement. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1996 , 26, 791-7		166
283	Robust stability of switched Cohen-Grossberg Neural networks with mixed time-varying delays. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 1356-63		144
282	Quantum reinforcement learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1207-20		139
281	Dynamic analysis of a fractional-order Lorenz chaotic system?. <i>Chaos, Solitons and Fractals</i> , 2009 , 42, 1181-1189	9.3	130
280	A probabilistic fuzzy logic system for modeling and control. <i>IEEE Transactions on Fuzzy Systems</i> , 2005 , 13, 848-859	8.3	120
279	Robust stability analysis of switched Hopfield neural networks with time-varying delay under uncertainty. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 345, 345-354	2.3	120
278	Spectral-approximation-based intelligent modeling for distributed thermal processes. <i>IEEE Transactions on Control Systems Technology</i> , 2005 , 13, 686-700	4.8	119
277	Observer-based adaptive fuzzy control for SISO nonlinear systems. <i>Fuzzy Sets and Systems</i> , 2004 , 148, 355-376	3.7	115
276	Adaptive fuzzy decentralized control for a class of large-scale nonlinear systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 770-5		115
275	MOMMOP: multiobjective optimization for locating multiple optimal solutions of multimodal optimization problems. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 830-43	10.2	110
274	Fuzzy Boundary Control Design for a Class of Nonlinear Parabolic Distributed Parameter Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 642-652	8.3	105

273	Incorporating Objective Function Information Into the Feasibility Rule for Constrained Evolutionary Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2938-2952	10.2	103
272	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1995 , 25, 505-512		103
271	Adaptive optimal control of highly dissipative nonlinear spatially distributed processes with neuro-dynamic programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 684-696	10.3	98
270	Design of distributed H _∞ Fuzzy controllers with constraint for nonlinear hyperbolic PDE systems. <i>Automatica</i> , 2012 , 48, 2535-2543	5.7	98
269	H _∞ Fuzzy Observer-Based Control for a Class of Nonlinear Distributed Parameter Systems With Control Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 502-516	8.3	96
268	An improved robust fuzzy-PID controller with optimal fuzzy reasoning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 1283-94		96
267	A Probabilistic Neural-Fuzzy Learning System for Stochastic Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 898-908	8.3	85
266	A connector-based hierarchical approach to assembly sequence planning for mechanical assemblies. <i>CAD Computer Aided Design</i> , 2003 , 35, 37-56	2.9	83
265	Fuzzy clustering with the entropy of attribute weights. <i>Neurocomputing</i> , 2016 , 198, 125-134	5.4	82
264	Boundary Antidisturbance Control of a Spatially Nonlinear Flexible String System. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4846-4856	8.9	77
263	A variable projection approach for efficient estimation of RBF-ARX model. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 476-85	10.2	76
262	Finite-dimensional constrained fuzzy control for a class of nonlinear distributed process systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1422-30		73
261	Direct adaptive fuzzy output tracking control of nonlinear systems. <i>Fuzzy Sets and Systems</i> , 2002 , 128, 107-115	3.7	73
260	Fuzzy robust tracking control for uncertain nonlinear systems. <i>International Journal of Approximate Reasoning</i> , 2002 , 30, 73-90	3.6	72
259	Fidelity-based probabilistic Q-learning for control of quantum systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 920-33	10.3	71
258	Exponential Stabilization for a Class of Nonlinear Parabolic PDE Systems via Fuzzy Control Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 318-329	8.3	71
257	Distributed Proportional-spatial Derivative control of nonlinear parabolic systems via fuzzy PDE modeling approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 927-38		70
256	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 1398-1408	5.5	67

255	. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1443-1456	8.3	67
254	Adaptive generalized function projective synchronization of uncertain chaotic systems. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 2456-2464	2.1	64
253	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 414-431	15.6	62
252	Adaptive hybrid projective synchronization of uncertain chaotic systems based on backstepping design. <i>Nonlinear Analysis: Real World Applications</i> , 2011 , 12, 388-393	2.1	62
251	Utilizing cumulative population distribution information in differential evolution. <i>Applied Soft Computing Journal</i> , 2016 , 48, 329-346	7.5	60
250	An approximate internal model-based neural control for unknown nonlinear discrete processes. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 659-70		60
249	Distributed Fuzzy Control Design of Nonlinear Hyperbolic PDE Systems With Application to Nonisothermal Plug-Flow Reactor. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 514-526	8.3	55
248	The synchronization of fractional-order Rössler hyperchaotic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 1393-1403	3.3	54
247	Neuro-Fuzzy Dynamic-Inversion-Based Adaptive Control for Robotic Manipulators Discrete Time Case. <i>IEEE Industrial Electronics Magazine</i> , 2007 , 54, 1342-1351	6.2	54
246	Composite Differential Evolution for Constrained Evolutionary Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1482-1495	7.3	54
245	Spatio-Temporal Modeling of Nonlinear Distributed Parameter Systems 2011 ,		53
244	A Membership-Function-Dependent Approach to Design Fuzzy Pointwise State Feedback Controller for Nonlinear Parabolic Distributed Parameter Systems With Spatially Discrete Actuators. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1486-1499	7.3	50
243	Deep Learning-Based Model Reduction for Distributed Parameter Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1664-1674	7.3	50
242	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2967-2980	8.3	49
241	A time/space separation-based Hammerstein modeling approach for nonlinear distributed parameter processes. <i>Computers and Chemical Engineering</i> , 2009 , 33, 1247-1260	4	49
240	A comparative design and tuning for conventional fuzzy control. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1997 , 27, 884-9		48
239	. <i>IEEE Transactions on Fuzzy Systems</i> , 2007 , 15, 470-481	8.3	47
238	A Saturation-Based Tuning Method for Fuzzy PID Controller. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5177-5185	8.9	46

237	Feedback-linearization-based neural adaptive control for unknown nonaffine nonlinear discrete-time systems. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1615-25		46
236	Gradient Radial Basis Function Based Varying-Coefficient Autoregressive Model for Nonlinear and Nonstationary Time Series. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 809-812	3.2	43
235	Time/Space-Separation-Based SVM Modeling for Nonlinear Distributed Parameter Processes. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 332-341	3.9	42
234	. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 2300-2307	11.9	41
233	A spatio-temporal Volterra modeling approach for a class of distributed industrial processes. <i>Journal of Process Control</i> , 2009 , 19, 1126-1142	3.9	40
232	A Simple Model-Based Approach for Fluid Dispensing Analysis and Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2007 , 12, 491-503	5.5	40
231	Design a Wind Speed Prediction Model Using Probabilistic Fuzzy System. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 819-827	11.9	39
230	Novel results concerning global robust stability of delayed neural networks. <i>Nonlinear Analysis: Real World Applications</i> , 2006 , 7, 458-469	2.1	39
229	Comparative study of fluid dispensing modeling. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2003 , 26, 273-280		39
228	Probabilistic support vector machines for classification of noise affected data. <i>Information Sciences</i> , 2013 , 221, 60-71	7.7	38
227	Hybrid Control for Robot Navigation - A Hierarchical Q-Learning Algorithm. <i>IEEE Robotics and Automation Magazine</i> , 2008 , 15, 37-47	3.4	38
226	Sampled-Data Fuzzy Control for Nonlinear Coupled Parabolic PDE-ODE Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2603-2615	10.2	37
225	Stochastically exponential stability and stabilization of uncertain linear hyperbolic PDE systems with Markov jumping parameters. <i>Automatica</i> , 2012 , 48, 569-576	5.7	37
224	Boundary adaptive fault-tolerant control for a flexible Timoshenko arm with backlash-like hysteresis. <i>Automatica</i> , 2021 , 130, 109690	5.7	37
223	Nonlinear dimension reduction based neural modeling for distributed parameter processes. <i>Chemical Engineering Science</i> , 2009 , 64, 4164-4170	4.4	36
222	Adaptive neural control design for nonlinear distributed parameter systems with persistent bounded disturbances. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1630-44		35
221	Dual-mode predictive control algorithm for constrained Hammerstein systems. <i>International Journal of Control</i> , 2008 , 81, 1609-1625	1.5	35
220	A Karhunen-Loève Decomposition-Based Wiener Modeling Approach for Nonlinear Distributed Parameter Processes. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 4184-4192	3.9	35

219	Robust Stabilization of the Distributed Parameter System With Time Delay via Fuzzy Control. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 567-584	8.3	35
218	Effective Tuning Method for Fuzzy PID with Internal Model Control. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 8317-8323	3.9	34
217	Fuzzy estimation of feed-cutting force from current measurement-a case study on intelligent tool wear condition monitoring. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2004 , 34, 506-512		34
216	A Multiobjective Optimization Based Fuzzy Control for Nonlinear Spatially Distributed Processes With Application to a Catalytic Rod. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 860-868	11.9	33
215	MASTER-SLAVE SYNCHRONIZATION OF GENERAL LURÆ SYSTEMS WITH TIME-VARYING DELAY AND PARAMETER UNCERTAINTY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 281-294	2	33
214	A fuzzy adaptive variable structure controller with applications to robot manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2001 , 31, 331-40		33
213	Hybrid intelligent control strategy. Supervising a DCS-controlled batch process. <i>IEEE Control Systems</i> , 2001 , 21, 36-48	2.9	33
212	Weibull and inverse Weibull mixture models allowing negative weights. <i>Reliability Engineering and System Safety</i> , 1999 , 66, 227-234	6.3	32
211	An efficient variable projection formulation for separable nonlinear least squares problems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 707-11	10.2	31
210	A multi-channel spatio-temporal Hammerstein modeling approach for nonlinear distributed parameter processes. <i>Journal of Process Control</i> , 2009 , 19, 85-99	3.9	30
209	A galerkin/neural-network-based design of guaranteed cost control for nonlinear distributed parameter systems. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 795-807		30
208	Model-based integration of control and supervision for one kind of curing process. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2004 , 27, 177-186		30
207	Decomposition-Based Multiobjective Optimization for Constrained Evolutionary Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 574-587	7.3	30
206	Fuzzy guaranteed cost sampled-data control of nonlinear systems coupled with a scalar reaction-diffusion process. <i>Fuzzy Sets and Systems</i> , 2016 , 302, 121-142	3.7	28
205	Integrated modelling of a time-pressure fluid dispensing system for electronics manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2005 , 26, 1-9	3.2	28
204	Multivariable fuzzy supervisory control for the laminar cooling process of hot rolled slab. <i>IEEE Transactions on Control Systems Technology</i> , 2001 , 9, 348-356	4.8	28
203	A robust disturbance-based control and its application. <i>International Journal of Control</i> , 1993 , 58, 537-554	4.5	28
202	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 4209-4217	8.9	28

201	Spatially Constrained Fuzzy-Clustering-Based Sensor Placement for Spatiotemporal Fuzzy-Control System. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 946-957	8.3	27
200	ISOMAP-Based Spatiotemporal Modeling for Lithium-Ion Battery Thermal Process. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 569-577	11.9	26
199	Dynamic switching based fuzzy control strategy for a class of distributed parameter system. <i>Journal of Process Control</i> , 2014 , 24, 88-97	3.9	26
198	A novel neural approximate inverse control for unknown nonlinear discrete dynamical systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 115-23		26
197	A Conceptual Approach to Integrate Design and Control for the Epoxy Dispensing Process. <i>International Journal of Advanced Manufacturing Technology</i> , 2001 , 17, 677-682	3.2	26
196	Data-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed Processes. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8106-8119	3.9	25
195	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	8.3	25
194	Robustness of fuzzy PID controller due to its inherent saturation. <i>Journal of Process Control</i> , 2012 , 22, 470-476	3.9	25
193	Robust adaptive neural observer design for a class of nonlinear parabolic PDE systems. <i>Journal of Process Control</i> , 2011 , 21, 1172-1182	3.9	25
192	Eigenspectrum-Based Iterative Learning Control for a Class of Distributed Parameter System. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 824-836	5.9	24
191	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	3.9	24
190	An Efficient Configuration for Probabilistic Fuzzy Logic System. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 898-909	8.3	23
189	Least square regularized regression in sum space. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 635-46	10.3	23
188	Neuro-fuzzy adaptive control based on dynamic inversion for robotic manipulators. <i>Fuzzy Sets and Systems</i> , 2003 , 134, 117-133	3.7	23
187	Classification of Diffusion Tensor Metrics for the Diagnosis of a Myelopathic Cord Using Machine Learning. <i>International Journal of Neural Systems</i> , 2018 , 28, 1750036	6.2	22
186	A probabilistic SVM based decision system for pain diagnosis. <i>Expert Systems With Applications</i> , 2011 , 38, 9346-9351	7.8	22
185	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	8.3	22
184	Integrated fuzzy modeling and adaptive control for nonlinear systems. <i>Information Sciences</i> , 2003 , 153, 217-236	7.7	22

183	Intelligence-based hybrid control for power plant boiler. <i>IEEE Transactions on Control Systems Technology</i> , 2002 , 10, 280-287	4.8	22
182	Kernel-Based Random Vector Functional-Link Network for Fast Learning of Spatiotemporal Dynamic Processes. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1016-1026	7.3	22
181	Incremental Reinforcement Learning With Prioritized Sweeping for Dynamic Environments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 621-632	5.5	21
180	Real-Time Estimation of Temperature Distribution for Cylindrical Lithium-Ion Batteries Under Boundary Cooling. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2316-2324	8.9	21
179	A fuzzy-based spatio-temporal multi-modeling for nonlinear distributed parameter processes. <i>Applied Soft Computing Journal</i> , 2014 , 25, 309-321	7.5	21
178	PSO-based intelligent integration of design and control for one kind of curing process. <i>Journal of Process Control</i> , 2010 , 20, 1116-1125	3.9	21
177	A hybrid approach for supervisory control of furnace temperature. <i>Control Engineering Practice</i> , 2003 , 11, 1325-1334	3.9	21
176	Quantitative design and analysis of fuzzy proportional-integral-derivative control a step towards autotuning. <i>International Journal of Systems Science</i> , 2000 , 31, 545-553	2.3	21
175	On the selection of solutions for mutation in differential evolution. <i>Frontiers of Computer Science</i> , 2018 , 12, 297-315	2.2	21
174	Rate-dependent hysteresis modeling and compensation of piezoelectric actuators using Gaussian process. <i>Sensors and Actuators A: Physical</i> , 2019 , 295, 357-365	3.9	20
173	An improved teaching-learning-based optimization for constrained evolutionary optimization. <i>Information Sciences</i> , 2018 , 456, 131-144	7.7	20
172	Prediction of myelopathic level in cervical spondylotic myelopathy using diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 1682-8	5.6	20
171	Stabilization of an unstable reaction-diffusion PDE cascaded with a heat equation. <i>Systems and Control Letters</i> , 2015 , 76, 8-18	2.4	20
170	Evolutionary Design of Spatio-temporal Learning Model for Thermal Distribution in Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2838-2848	11.9	19
169	Estimation of multi-frequency signal parameters by frequency domain non-linear least squares. <i>Mechanical Systems and Signal Processing</i> , 2005 , 19, 955-973	7.8	19
168	Extreme learning machine based spatiotemporal modeling of lithium-ion battery thermal dynamics. <i>Journal of Power Sources</i> , 2015 , 277, 228-238	8.9	18
167	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9767-9776	8.9	18
166	Distributed proportional plus second-order spatial derivative control for distributed parameter systems subject to spatiotemporal uncertainties. <i>Nonlinear Dynamics</i> , 2014 , 76, 2041-2058	5	18

165	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, 1635-47	10.3	18
164	Perturbation Theory Based Robust Design Under Model Uncertainty. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009 , 131,	3	18
163	Geometric mouldability analysis by geometric reasoning and fuzzy decision making. <i>CAD Computer Aided Design</i> , 2004 , 36, 37-50	2.9	18
162	2-Degree-of-Freedom ProportionalIntegralDerivative-Type Controller Incorporating the Smith Principle for Processes with Dead Time. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 2448-2454	3.9	18
161	Probabilistic Inference-Based Least Squares Support Vector Machine for Modeling Under Noisy Environment. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1703-1710	7.3	18
160	Uncertain Data Clustering in Distributed Peer-to-Peer Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2392-2406	10.3	17
159	Incremental Spatiotemporal Learning for Online Modeling of Distributed Parameter Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2612-2622	7.3	17
158	Guaranteed cost distributed fuzzy observer-based control for a class of nonlinear spatially distributed processes. <i>AIChE Journal</i> , 2013 , 59, 2366-2378	3.6	17
157	Integrated Design and Control under Uncertainty: A Fuzzy Modeling Approach. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 1312-1324	3.9	17
156	Modeling and control of time-pressure dispensing for semiconductor manufacturing. <i>International Journal of Automation and Computing</i> , 2007 , 4, 422-427	3.5	17
155	Detection and Spatial Identification of Fault for Parabolic Distributed Parameter Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7300-7309	8.9	17
154	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	10.2	17
153	Dual least squares support vector machines based spatiotemporal modeling for nonlinear distributed thermal processes. <i>Journal of Process Control</i> , 2017 , 54, 81-89	3.9	16
152	Incorporating PLS model information into particle swarm optimization for descriptor selection in QSAR/QSPR. <i>Journal of Chemometrics</i> , 2015 , 29, 627-636	1.6	16
151	Vibration control of a rotor-bearing system using shape memory alloy: I. Theory. <i>Smart Materials and Structures</i> , 2007 , 16, 114-121	3.4	16
150	NOISE INFLUENCE ON ESTIMATION OF SIGNAL PARAMETER FROM THE PHASE DIFFERENCE OF DISCRETE FOURIER TRANSFORMS. <i>Mechanical Systems and Signal Processing</i> , 2002 , 16, 991-1004	7.8	16
149	Probabilistic Regularized Extreme Learning Machine for Robust Modeling of Noise Data. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2368-2377	10.2	15
148	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	11.9	15

147	Control for Intelligent Manufacturing: A Multiscale Challenge. <i>Engineering</i> , 2017 , 3, 608-615	9.7	15
146	Vibration control of a rotor-bearing system using shape memory alloy: II. Experimental study. <i>Smart Materials and Structures</i> , 2007 , 16, 122-127	3.4	15
145	Robot discrete adaptive control based on dynamic inversion using dynamical neural networks. <i>Automatica</i> , 2002 , 38, 1977-1983	5.7	15
144	Dynamic Spatial-Independent-Component-Analysis-Based Abnormality Localization for Distributed Parameter Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2929-2936	11.9	15
143	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	7.3	15
142	Probabilistic Fuzzy Classification for Stochastic Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1391-1402	8.4	14
141	A Sensitivity-Based Group-Wise Parameter Identification Algorithm for the Electric Model of Li-Ion Battery. <i>IEEE Access</i> , 2017 , 5, 4377-4387	3.5	14
140	A Three-Domain Fuzzy Wavelet System for Simultaneous Processing of Time-Frequency Information and Fuzziness. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 176-183	8.3	14
139	Dempster-Shafer structure based fuzzy logic system for stochastic modeling. <i>Applied Soft Computing Journal</i> , 2017 , 56, 134-142	7.5	13
138	Spatiotemporal modeling of internal states distribution for lithium-ion battery. <i>Journal of Power Sources</i> , 2016 , 301, 261-270	8.9	13
137	Architecture-dependent robustness and bistability in a class of genetic circuits. <i>Biophysical Journal</i> , 2010 , 99, 1034-42	2.9	13
136	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	8.3	13
135	Reinforcement Learning-Based Optimal Sensor Placement for Spatiotemporal Modeling. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2861-2871	10.2	13
134	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	3.7	12
133	Sliding mode control design for a rapid thermal processing system. <i>Chemical Engineering Science</i> , 2016 , 143, 76-85	4.4	12
132	Ultrasound aided smooth dispensing for high viscoelastic epoxy in microelectronic packaging. <i>Ultrasonics Sonochemistry</i> , 2016 , 28, 15-20	8.9	12
131	Static output feedback control design for linear MIMO systems with actuator dynamics governed by diffusion PDEs. <i>International Journal of Control</i> , 2014 , 87, 90-100	1.5	12
130	Multi-variable fuzzy logic control for a class of distributed parameter systems. <i>Journal of Process Control</i> , 2013 , 23, 351-358	3.9	12

129	Type-2 hierarchical fuzzy system for high-dimensional data-based modeling with uncertainties. <i>Soft Computing</i> , 2012 , 16, 1945-1957	3.5	12
128	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2885-2893	8.9	12
127	A Regularized Variable Projection Algorithm for Separable Nonlinear Least-Squares Problems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 1-1	5.9	12
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