

Hak-Keung Lam

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367
papers

10,927
citations

56
h-index

94
g-index

428
ext. papers

13,585
ext. citations

5.1
avg. IF

7.44
L-index

#	Paper	IF	Citations
367	Tuning of the structure and parameters of a neural network using an improved genetic algorithm. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 79-88		435
366	Finite-Time Event-Triggered \mathcal{H}_{∞} Control for T \mathcal{B} Fuzzy Markov Jump Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3122-3135	8.3	336
365	Observer-Based Fault Detection for Nonlinear Systems With Sensor Fault and Limited Communication Capacity. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2745-2751	5.9	286
364	Stability analysis of interval type-2 fuzzy-model-based control systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 617-28		272
363	Fuzzy sampled-data control for uncertain vehicle suspension systems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1111-26	10.2	252
362	Event-Triggered Fault Detection of Nonlinear Networked Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1041-1052	10.2	245
361	Adaptive Sliding Mode Control for Interval Type-2 Fuzzy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1654-1663	7.3	226
360	Control Design for Interval Type-2 Fuzzy Systems Under Imperfect Premise Matching. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 956-968	8.9	222
359	Fault detection for T-S fuzzy time-delay systems: delta operator and input-output methods. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 229-41	10.2	187
358	. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1233-1245	8.3	185
357	Filtering of Interval Type-2 Fuzzy Systems With Intermittent Measurements. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 668-78	10.2	174
356	Stability Analysis and Performance Design for Fuzzy-Model-Based Control System Under Imperfect Premise Matching. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 949-961	8.3	167
355	Model reduction for interval type-2 Takagi-Sugeno fuzzy systems. <i>Automatica</i> , 2015 , 61, 308-314	5.7	166
354	Hybrid particle swarm optimization with wavelet mutation and its industrial applications. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 743-63		162
353	Approaches to T \mathcal{B} Fuzzy-Affine-Model-Based Reliable Output Feedback Control for Nonlinear It \square Stochastic Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 569-583	8.3	158
352	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 246-257	8.3	157
351	Polynomial Fuzzy-Model-Based Control Systems: Stability Analysis Via Piecewise-Linear Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 588-593	8.3	141

350	A review on stability analysis of continuous-time fuzzy-model-based control systems: From membership-function-independent to membership-function-dependent analysis. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 67, 390-408	7.2	139
349	Dissipativity Analysis and Synthesis for Discrete-Time T _B Fuzzy Stochastic Systems With Time-Varying Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 380-394	8.3	139
348	Event-Triggered Mean-Square Consensus Control for Time-Varying Stochastic Multi-Agent System With Sensor Saturations. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3524-3531	5.9	136
347	Quadratic-Stability Analysis of Fuzzy-Model-Based Control Systems Using Staircase Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 125-137	8.3	127
346	Distributed Event-Based Set-Membership Filtering for a Class of Nonlinear Systems With Sensor Saturations Over Sensor Networks. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3772-3783	10.2	123
345	State and Output Feedback Control of Interval Type-2 Fuzzy Systems With Mismatched Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1943-1957	8.3	116
344	Stability analysis of fuzzy control systems subject to uncertain grades of membership. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 1322-5		116
343	Notice of Violation of IEEE Publication Principles: An Improved Result on Exponential Stabilization of Sampled-Data Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3875-3883	8.3	114
342	A New Approach to Stability and Stabilization Analysis for Continuous-Time Takagi-Sugeno Fuzzy Systems With Time Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2460-2465	8.3	113
341	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 2388-2398	8.3	113
340	LMI-Based Stability Analysis for Fuzzy-Model-Based Control Systems Using Artificial T _B Fuzzy Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 505-513	8.3	104
339	Event-Triggered Control for Nonlinear Systems Under Unreliable Communication Links. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 813-824	8.3	100
338	A New Design of H_{∞} -Infinity Piecewise Filtering for Discrete-Time Nonlinear Time-Varying Delay Systems via T _B Fuzzy Affine Models. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2034-2047	7.3	100
337	Variance-Constrained Distributed Filtering for Time-Varying Systems With Multiplicative Noises and Deception Attacks Over Sensor Networks. <i>IEEE Sensors Journal</i> , 2017 , 17, 2279-2288	4	99
336	New Stability Criterion for Continuous-Time Takagi-Sugeno Fuzzy Systems With Time-Varying Delay. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1551-1556	10.2	98
335	Stabilization of nonlinear systems using sampled-data output-feedback fuzzy controller based on polynomial-fuzzy-model-based control approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 258-67		96
334	Stability Analysis of Polynomial-Fuzzy-Model-Based Control Systems With Mismatched Premise Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 223-229	8.3	90
333	A Novel Approach to Reliable Output Feedback Control of Fuzzy-Affine Systems With Time Delays and Sensor Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1808-1823	8.3	86

332	SOS-Based Stability Analysis of Polynomial Fuzzy-Model-Based Control Systems Via Polynomial Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 862-871	8.3	84
331	Fuzzy Output Tracking Control and Filtering for Nonlinear Discrete-Time Descriptor Systems Under Unreliable Communication Links. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2369-2379	10.2	81
330	Fault Detection for Fuzzy Semi-Markov Jump Systems Based on Interval Type-2 Fuzzy Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 2375-2388	8.3	81
329	A novel genetic-algorithm-based neural network for short-term load forecasting. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 793-799	8.9	78
328	Stabilization of Interval Type-2 Polynomial-Fuzzy-Model-Based Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 205-217	8.3	76
327	Envelope-constrained H _∞ filtering for nonlinear systems with quantization effects: The finite horizon case. <i>Automatica</i> , 2018 , 93, 527-534	5.7	75
326	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 2317-2328	8.3	74
325	Control design of interval type-2 fuzzy systems with actuator fault: Sampled-data control approach. <i>Information Sciences</i> , 2015 , 302, 1-13	7.7	73
324	Stable and robust fuzzy control for uncertain nonlinear systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2000 , 30, 825-840		73
323	Stability Analysis of Polynomial-Fuzzy-Model-Based Control Systems Using Switching Polynomial Lyapunov Function. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 800-813	8.3	71
322	Output-Feedback Tracking Control for Polynomial Fuzzy-Model-Based Control Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5830-5840	8.9	70
321	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 2202-2214	8.3	69
320	Relaxed LMI-Based Stability Conditions for Takagi-Sugeno Fuzzy Control Systems Using Regional-Membership-Function-Shape-Dependent Analysis Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 1221-1228	8.3	69
319	Improved SFFS method for channel selection in motor imagery based BCI. <i>Neurocomputing</i> , 2016 , 207, 519-527	5.4	67
318	Membership-function-dependent stability analysis of fuzzy-model-based control systems using fuzzy Lyapunov functions. <i>Information Sciences</i> , 2013 , 232, 253-266	7.7	63
317	Positive filtering for positive Takagi-Sugeno fuzzy systems under . <i>Information Sciences</i> , 2015 , 299, 32-41	7.7	62
316	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	61
315	Stability and Stabilization of Discrete-Time TS Fuzzy Systems With Stochastic Perturbation and Time-Varying Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 124-138	8.3	59

314	Tracking control of sampled-data fuzzy-model-based control systems. <i>IET Control Theory and Applications</i> , 2009 , 3, 56-67	2.5	59
313	Mean-Square H_{∞} Consensus Control for a Class of Nonlinear Time-Varying Stochastic Multiagent Systems: The Finite-Horizon Case. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1050-1060	7.3	58
312	Sampled-Data Output-Feedback Tracking Control for Interval Type-2 Polynomial Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 424-433	8.3	57
311	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 379-385	8.3	56
310	Short-term electric load forecasting based on a neural fuzzy network. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 1305-1316	8.9	56
309	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1215-1225	8.3	54
308	Adaptive fuzzy control of a magnetorheological elastomer vibration isolation system with time-varying sinusoidal excitations. <i>Journal of Sound and Vibration</i> , 2019 , 456, 386-406	3.9	53
307	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1125-1137	8.3	51
306	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2967-2980	8.3	49
305	Output Regulation of Polynomial-Fuzzy-Model-Based Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 262-274	8.3	48
304	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 511-524	8.3	46
303	Nonfragile Control With Guaranteed Cost of T Σ Fuzzy Singular Systems Based on Parallel Distributed Compensation. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1183-1196	8.3	45
302	Stability analysis of T Σ fuzzy control systems using parameter-dependent Lyapunov function. <i>IET Control Theory and Applications</i> , 2009 , 3, 750-762	2.5	44
301	Design and stabilization of sampled-data neural-network-based control systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 995-1005		44
300	Sampled-data fuzzy controller for continuous nonlinear systems. <i>IET Control Theory and Applications</i> , 2008 , 2, 32-39	2.5	43
299	Output-feedback tracking control for interval type-2 polynomial fuzzy-model-based control systems. <i>Neurocomputing</i> , 2017 , 242, 83-95	5.4	42
298	Stability analysis of polynomial fuzzy-model-based control systems under perfect/imperfect premise matching. <i>IET Control Theory and Applications</i> , 2011 , 5, 1689-1697	2.5	42
297	Design and stability analysis of fuzzy model-based nonlinear controller for nonlinear systems using genetic algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003 , 33, 250-7		42

296	Optimal control of discrete-time interval type-2 fuzzy-model-based systems with D-stability constraint and control saturation. <i>Signal Processing</i> , 2016 , 120, 409-421	4.4	41
295	Chaotic Synchronization Using Sampled-Data Fuzzy Controller Based on Fuzzy-Model-Based Approach. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 883-892	3.9	41
294	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5022-5035	8.9	41
293	Nonlinear state feedback controller for nonlinear systems: Stability analysis and design based on fuzzy plant model. <i>IEEE Transactions on Fuzzy Systems</i> , 2001 , 9, 657-661	8.3	40
292	Synchronization of Chaotic Systems Using Time-Delayed Fuzzy State-Feedback Controller. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 893-903	3.9	39
291	Stability analysis of discrete-time fuzzy-model-based control systems with time delay: Time delay-independent approach. <i>Fuzzy Sets and Systems</i> , 2008 , 159, 990-1000	3.7	37
290	A practical fuzzy logic controller for the path tracking of wheeled mobile robots. <i>IEEE Control Systems</i> , 2003 , 23, 60-65	2.9	37
289	Stability analysis and control synthesis for fuzzy-observer-based controller of nonlinear systems: a fuzzy-model-based control approach. <i>IET Control Theory and Applications</i> , 2013 , 7, 663-672	2.5	36
288	. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 958-971	8.3	36
287	Design of a Polynomial Fuzzy Observer Controller With Sampled-Output Measurements for Nonlinear Systems Considering Unmeasurable Premise Variables. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 2067-2079	8.3	36
286	Output-feedback sampled-data polynomial controller for nonlinear systems. <i>Automatica</i> , 2011 , 47, 2457-2461	5.7	35
285	A Novel Mixed Control Approach for Fuzzy Systems via Membership Functions Online Learning Policy. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	35
284	Fuzzy controller with stability and performance rules for nonlinear systems. <i>Fuzzy Sets and Systems</i> , 2007 , 158, 147-163	3.7	34
283	A switching controller for uncertain nonlinear systems. <i>IEEE Control Systems</i> , 2002 , 22, 7-14	2.9	34
282	Asynchronous sliding mode control of singularly perturbed semi-Markovian jump systems: Application to an operational amplifier circuit. <i>Automatica</i> , 2020 , 118, 109026	5.7	34
281	Membership-Function-Dependent Stabilization of Event-Triggered Interval Type-2 Polynomial Fuzzy-Model-Based Networked Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 3171-3180	8.3	34
280	Event-Based Adaptive Fixed-Time Fuzzy Control for Active Vehicle Suspension Systems with Time-Varying Displacement Constraint. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	33
279	A study of neural-network-based classifiers for material classification. <i>Neurocomputing</i> , 2014 , 144, 367-374	3.7	32

278	LMI-based stability analysis of fuzzy-model-based control systems using approximated polynomial membership functions. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 713-24		32
277	TB Fuzzy-Model-Based Output Feedback Tracking Control With Control Input Saturation. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3514-3523	8.3	31
276	Interval type-2 fuzzy control for nonlinear discrete-time systems with time-varying delays. <i>Neurocomputing</i> , 2015 , 157, 22-32	5.4	31
275	Optimal and stable fuzzy controllers for nonlinear systems based on an improved genetic algorithm. <i>IEEE Transactions on Industrial Electronics</i> , 2004 , 51, 172-182	8.9	31
274	Fault detection for nonlinear networked systems based on quantization and dropout compensation: An interval type-2 fuzzy-model method. <i>Neurocomputing</i> , 2016 , 191, 409-420	5.4	30
273	Design of a switching controller for nonlinear systems with unknown parameters based on a fuzzy logic approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1068-74		30
272	Security-based Fuzzy Control for Nonlinear Networked Control Systems with DoS Attacks via a Resilient Event-Triggered Scheme. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	30
271	Cooperative Fault-Tolerant Control for Networks of Stochastic Nonlinear Systems With Nondifferential Saturation Nonlinearity. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	30
270	A combined robust fuzzy time series method for prediction of time series. <i>Neurocomputing</i> , 2017 , 247, 87-101	5.4	28
269	Linear matrix inequalities-based membership-function-dependent stability analysis for non-parallel distributed compensation fuzzy-model-based control systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 614-625	2.5	28
268	Fuzzy control of a class of multivariable nonlinear systems subject to parameter uncertainties: model reference approach. <i>International Journal of Approximate Reasoning</i> , 2001 , 26, 129-144	3.6	28
267	Classification of epilepsy seizure phase using interval type-2 fuzzy support vector machines. <i>Neurocomputing</i> , 2016 , 199, 66-76	5.4	28
266	Stability and Stabilization With Additive Freedom for Delayed Takagi-Sugeno Fuzzy Systems by Intermediary-Polynomial-Based Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 692-705	8.3	28
265	The Q-learning obstacle avoidance algorithm based on EKF-SLAM for NAO autonomous walking under unknown environments. <i>Robotics and Autonomous Systems</i> , 2015 , 72, 29-36	3.5	27
264	STABILIZATION OF CHAOTIC SYSTEMS USING LINEAR SAMPLED-DATA CONTROLLER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 2021-2031	2	27
263	Reliable Sliding Mode Control of Fast Sampling Singularly Perturbed Systems: A Redundant Channel Transmission Protocol Approach. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4490-4501	3.9	26
262	Stability analysis of fuzzy-model-based control systems: application on regulation of switching DCDC converter. <i>IET Control Theory and Applications</i> , 2009 , 3, 1093-1106	2.5	26
261	Design of polynomial fuzzy observer-controller with membership functions using unmeasurable premise variables for nonlinear systems. <i>Information Sciences</i> , 2016 , 355-356, 186-207	7.7	26

260	Classification of epilepsy using computational intelligence techniques. <i>CAAI Transactions on Intelligence Technology</i> , 2016 , 1, 137-149	9.7	25
259	Membership-dependent stability conditions for type-1 and interval type-2 TB fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2019 , 356, 44-62	3.7	25
258	Classification of electromyographic hand gesture signals using machine learning techniques. <i>Neurocomputing</i> , 2020 , 401, 236-248	5.4	24
257	Fuzzy-Model-Based Control for Singularly Perturbed Systems with Nonhomogeneous Markov Switching: A Dropout Compensation Strategy. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	24
256	Further Study on Observer Design for Continuous-Time Takagi-Sugeno Fuzzy Model With Unknown Premise Variables via Average Dwell Time. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4855-4860	10.2	24
255	Fuzzy Sampled-Data Control for Synchronization of T-S Fuzzy Reaction-Diffusion Neural Networks With Additive Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2384-2397	10.2	24
254	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1081-1092	8.3	24
253	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1688-1703	8.3	23
252	Stability analysis of sampled-data fuzzy controller for nonlinear systems based on switching TB fuzzy model. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009 , 3, 418-432	4.5	23
251	The study of model predictive control algorithm based on the force/position control scheme of the 5-DOF redundant actuation parallel robot. <i>Robotics and Autonomous Systems</i> , 2016 , 79, 12-25	3.5	22
250	Sampled-data fuzzy-model-based control systems: stability analysis with consideration of analogue-to-digital converter and digital-to-analogue converter. <i>IET Control Theory and Applications</i> , 2010 , 4, 1131-1144	2.5	22
249	Sliding Mode Control of Markovian Jump Fuzzy Systems: A Dynamic Event-Triggered Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	22
248	Fuzzy-Affine-Model-Based Output Feedback Dynamic Sliding Mode Controller Design of Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-10	7.3	21
247	Static output-feedback control for interval type-2 discrete-time fuzzy systems. <i>Complexity</i> , 2016 , 21, 74-88	1.6	21
246	Robust filtering for a class of nonlinear stochastic systems with probability constraints. <i>Automation and Remote Control</i> , 2016 , 77, 37-54	0.6	21
245	Tracking control design of interval type-2 polynomial-fuzzy-model-based systems with time-varying delay. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 75, 76-87	7.2	21
244	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1728-1745	8.3	21
243	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1350-1362	8.3	21

242	Accurate Bolt Tightening Using Model-Free Fuzzy Control for Wind Turbine Hub Bearing Assembly. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1-12	4.8	20
241	Depth Estimation of Hard Inclusions in Soft Tissue by Autonomous Robotic Palpation Using Deep Recurrent Neural Network. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 1791-1799	4.9	20
240	Design of fuzzy controllers for uncertain nonlinear systems using stability and robustness analyses. <i>Systems and Control Letters</i> , 1998 , 35, 237-243	2.4	20
239	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1428-1440	8.3	20
238	Application of a modified neural fuzzy network and an improved genetic algorithm to speech recognition. <i>Neural Computing and Applications</i> , 2007 , 16, 419-431	4.8	19
237	LMI-based Stability and Performance Design of Fuzzy Control Systems: Fuzzy Models and Controllers with Different Premises 2006 ,		19
236	Classification of COVID-19 chest X-Ray and CT images using a type of dynamic CNN modification method. <i>Computers in Biology and Medicine</i> , 2021 , 134, 104425	7	19
235	A Polynomial Membership Function Approach for Stability Analysis of Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	18
234	Tuning of the structure and parameters of neural network using an improved genetic algorithm		18
233	A Novel Approach to State and Unknown Input Estimation for TakagiSugeno Fuzzy Models With Applications to Fault Detection. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 2053-2063	3.9	18
232	Sliding-Mode Control of T-S Fuzzy Systems Under Weighted Try-Once-Discard Protocol. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4972-4982	10.2	18
231	Fuzzy control of non-linear systems using parameter-dependent polynomial fuzzy model. <i>IET Control Theory and Applications</i> , 2012 , 6, 1645	2.5	17
230	Chaotic synchronisation using output/full state-feedback polynomial controller. <i>IET Control Theory and Applications</i> , 2010 , 4, 2285-2292	2.5	17
229	Fuzzy rule-based combination of linear and switching state-feedback controllers. <i>Fuzzy Sets and Systems</i> , 2005 , 156, 153-184	3.7	17
228	Static Output Feedback Stabilization of Positive Polynomial Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1600-1612	8.3	17
227	Fuzzy Identification and Delay Compensation based on the Force/Position Control Scheme of the 5-DOF Redundantly Actuated Parallel Robot. <i>International Journal of Fuzzy Systems</i> , 2017 , 19, 124-140	3.6	16
226	A Flexible Fuzzy Regression Method for Addressing Nonlinear Uncertainty on Aesthetic Quality Assessments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2363-2377	7.3	16
225	fuzzy PID control synthesis for TakagiSugeno fuzzy systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 607-616	2.5	16

224	Design and Training for Combinational Neural-Logic Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 612-619	8.9	16
223	Fuzzy-Affine-Model-Based Sampled-Data Filtering Design for Stochastic Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	16
222	Design of Fuzzy Functional Observer-Controller via Higher Order Derivatives of Lyapunov Function for Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1630-1640	10.2	15
221	Analysis and Design of Interval Type-2 Polynomial-Fuzzy-Model-Based Networked Tracking Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	15
220	Membership-Function-Dependent Stability Analysis and Control Synthesis of Guaranteed Cost Fuzzy-Model-Based Control Systems. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 537-549	3.6	15
219	LMI-based stability conditions for interval type-2 fuzzy-model-based control systems 2011 ,		15
218	MANet: A two-stage deep learning method for classification of COVID-19 from Chest X-ray images. <i>Neurocomputing</i> , 2021 , 443, 96-105	5.4	15
217	Aperiodic Sampled-Data-Based Control for Interval Type-2 Fuzzy Systems via Refined Adaptive Event-Triggered Communication Scheme. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 310-321	8.3	15
216	Variable weight neural networks and their applications on material surface and epilepsy seizure phase classifications. <i>Neurocomputing</i> , 2015 , 149, 1177-1187	5.4	14
215	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2289-2300	8.3	14
214	LMI-based stability design of fuzzy controller for nonlinear systems. <i>IET Control Theory and Applications</i> , 2007 , 1, 393-401	2.5	14
213	Control design for interval type-2 polynomial fuzzy-model-based systems with time-varying delay. <i>IET Control Theory and Applications</i> , 2017 , 11, 2270-2278	2.5	13
212	Adaptive neuro-fuzzy PID controller based on twin delayed deep deterministic policy gradient algorithm. <i>Neurocomputing</i> , 2020 , 402, 183-194	5.4	13
211	Stability analysis of fuzzy polynomial positive systems with time delay 2014 ,		13
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