

Hak-Keung Lam

List of Publications by Year in Descending Order

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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.

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	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
366	Variable weight algorithm for convolutional neural networks and its applications to classification of seizure phases and types. <i>Pattern Recognition</i> , 2022 , 121, 108226	7.7	2
365	Reduced-order Extended Dissipative Filtering for Nonlinear Systems with Sensor Saturation via Interval Type-2 Fuzzy Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	
364	Sliding Mode Reliable Control Under Redundant Channel: A Novel Censored Analog Fading Measurement. <i>IEEE Transactions on Control of Network Systems</i> , 2022 , 1-1	4	
363	Robust Stability Analysis and Feedback Control for Uncertain Systems With Time-Delay and External Disturbance. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	
362	Sub-predictor-based fuzzy control design for a reaction-diffusion equation. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	0
361	Sliding Mode Control for Networked Interval Type-2 Fuzzy Systems via Random Multiaccess Protocols. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	0
360	Fuzzy-Model-Based Asynchronous Fault Detection for Markov Jump Systems with Partially Unknown Transition Probabilities: An Adaptive Event-Triggered Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	2
359	Periodic Event-Triggered Terminal Sliding Mode Speed Control for Networked PMSM System: A GA-Optimized Extended State Observer Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022 , 1-12	5.5	6
358	Magnetic-Field-Inspired Navigation for Robots in Complex and Unknown Environments.. <i>Frontiers in Robotics and AI</i> , 2022 , 9, 834177	2.8	1
357	LMIs-based stability analysis and fuzzy-logic controller design for networked systems with sector nonlinearities: Application in tunnel diode circuit. <i>Expert Systems With Applications</i> , 2022 , 198, 116627	7.8	1
356	Reduced-Order Fault Detection Filter Design for Fuzzy Semi-Markov Jump Systems With Partly Unknown Transition Rates. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12	7.3	1
355	Sliding-Mode Control for Interval Type-2 Fuzzy Systems: Event-Triggering WTOD Scheme.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	3
354	Appearance-Based Gaze Estimation for ASD Diagnosis.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	2
353	Quasisynchronization of Reaction-Diffusion Neural Networks Under Deception Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12	7.3	0
352	Stability and Stabilization of Polynomial Fuzzy-Model-Based Switched Nonlinear Systems under MDADT Switching Signal. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	0
351	Stability analysis and robust controller design for systems with mixed time-delays and stochastic nonlinearity via cone complementarity linearization. <i>Applied Mathematics and Computation</i> , 2022 , 430, 127252	2.7	1

350	Further Study on Stabilization for Continuous-Time Takagi-Sugeno Fuzzy Systems With Time Delay. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5637-5643	10.2	12
349	Hankel-Norm-Based Model Reduction for Stochastic Discrete-Time Nonlinear Systems in Interval Type-2 T-S Fuzzy Framework. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4934-4943	10.2	4
348	Membership-Function-Dependent Control Design of Interval Type-2 Sampled-Data Fuzzy-Model-Based Output-Feedback Tracking Control System. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	2
347	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
346	New Results of Observer Design for Continuous-Time Fuzzy Systems: A Switching Technique. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-5	7.3	1
345	Stabilization Analysis and Impulsive Controller Design for Positive Interval Type-2 Polynomial Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
344	Robust Tracking Control of Interval Type-2 Positive Takagi-Sugeno Fuzzy Systems with External Disturbance. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
343	Ball bonding inspections using a conjoint framework with machine learning and human judgement. <i>Applied Soft Computing Journal</i> , 2021 , 102, 107115	7.5	1
342	Reachable set bounding of output-feedback control for discrete-time large-scale IT-2 fuzzy descriptor systems using distributed event-based broadcasts. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 100, 104166	7.2	2
341	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1141-1152	7	6
340	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
339	Robust H Control for Nonlinear Hyperbolic PDE Systems Based on the Polynomial Fuzzy Model. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3789-3801	10.2	5
338	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1350-1362	8.3	21
337	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
336	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1081-1092	8.3	24
335	A new design of output feedback sliding mode controller for T-S fuzzy-affine systems. <i>Asian Journal of Control</i> , 2021 , 23, 1658-1670	1.7	3
334	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 2388-2398	8.3	113
333	Event-triggered fuzzy adaptive quantized control for nonlinear multi-agent systems in nonaffine pure-feedback form. <i>Fuzzy Sets and Systems</i> , 2021 , 416, 27-46	3.7	7

332	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
331	Membership-function-dependent stability analysis and local controller design for TS fuzzy systems: A space-enveloping approach. <i>Information Sciences</i> , 2021 , 548, 233-253	7.7	8
330	Tracking control for nonlinear multivariable systems using wavelet-type TSK fuzzy brain emotional learning with particle swarm optimization. <i>Journal of the Franklin Institute</i> , 2021 , 358, 650-673	4	3
329	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 457-470	8.3	11
328	New Admissibility and Admissibilization Criteria for Nonlinear Discrete-Time Singular Systems by Switched Fuzzy Models. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	4
327	Membership-Function-Dependent Control Design and Stability Analysis of Interval Type-2 Sampled-Data Fuzzy-Model-Based Control System. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
326	GA-Assisted Output-Feedback Sliding Mode Control of Fuzzy Systems via Improved Static Time-Delayed Feedback. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	3
325	Static Output-Feedback Tracking Control For Positive Polynomial Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	4
324	Reachability Analysis-based Interval Estimation for Discrete-time Takagi-Sugeno Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
323	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	10
322	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
321	Membership-Function-Dependent Design of L1-Gain Output Feedback Controller for Stabilization of Positive Polynomial Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
320	Interval Type-2 Fuzzy Control for HMM-Based Multiagent Systems Via Dynamic Event-Triggered Scheme. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	2
319	Guaranteed Cost Control for Interval Type-2 Fuzzy Semi-Markov Switching Systems within A Finite-Time Interval. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
318	Aperiodic Sampled-Data Takagi-Sugeno Fuzzy Extended State Observer for A Class of Uncertain Nonlinear Systems with External Disturbance and Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	3
317	New results on dissipative control for a class of singular Takagi-Sugeno fuzzy systems with time delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	5
316	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 199-202	8.3	
315	Probability Dueling DQN active visual SLAM for autonomous navigation in indoor environment. <i>Industrial Robot</i> , 2021 , 48, 359-365	1.4	1

314	HI control for continuous-time TakagiSugeno fuzzy model by applying generalized Lyapunov function and introducing outer variables. <i>Automatica</i> , 2021 , 125, 109409	5.7	6
313	A case study on computer-aided diagnosis of nonerosive reflux disease using deep learning techniques. <i>Neurocomputing</i> , 2021 , 445, 149-166	5.4	1
312	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
311	Iterative stability analysis for general polynomial control systems. <i>Nonlinear Dynamics</i> , 2021 , 105, 3139-3148	3.148	1
310	Enhancing P300 based character recognition performance using a combination of ensemble classifiers and a fuzzy fusion method. <i>Journal of Neuroscience Methods</i> , 2021 , 362, 109300	3	0
309	Membership Function Derivatives Transformation Approach for Stability Analysis and Stabilization Control of T-S Fuzzy Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
308	Dissipativity-Based Filtering of Time-Varying Delay Interval Type-2 Polynomial Fuzzy Systems under Imperfect Premise Matching. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	2
307	Extended-Dissipativity-Based Adaptive Event-Triggered Control for Stochastic Polynomial Fuzzy Singular Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	5
306	Optimized Correlation-Based Time Window Selection Algorithm for Motor Imagery Based BCIs. <i>Advances in Cognitive Neurodynamics</i> , 2021 , 27-36		
305	Event-Triggered Control for Switched T-S Fuzzy Systems with General Asynchronism. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	5
304	A Polynomial Membership Function Approach for Stability Analysis of Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	18
303	A New Sampled-Data Output-Feedback Controller Design of Nonlinear Systems via Fuzzy Affine Models. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	2
302	Event-Triggered Sliding Mode Control of Fuzzy Systems via Artificial Time-Delay Estimation. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	8
301	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	61
300	Membership-dependent stability analysis of discrete-time positive polynomial fuzzy-model-based control systems with time delay. <i>IET Control Theory and Applications</i> , 2020 , 14, 1135-1146	2.5	1
299	Classification of electromyographic hand gesture signals using machine learning techniques. <i>Neurocomputing</i> , 2020 , 401, 236-248	5.4	24
298	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
297	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	5

296	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
295	Event-based multirate control of large-scale distributed nonlinear systems subject to time-driven zero order holds. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020 , 36, 100864	4.5	6
294	Hankel Norm Model Reduction of Discrete-Time Interval Type-2 T _S Fuzzy Systems With State Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 3276-3286	8.3	3
293	Reliable Dissipative Interval Type-2 Fuzzy Control for Nonlinear Systems with Stochastic Incomplete Communication Route and Actuator Failure. <i>International Journal of Fuzzy Systems</i> , 2020 , 22, 368-379	3.6	7
292	Channel Assignment in Uplink Wireless Communication Using Machine Learning Approach. <i>IEEE Communications Letters</i> , 2020 , 24, 787-791	3.8	9
291	Unactuated Force Control of 5-DOF Parallel Robot Based on Fuzzy PI. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 1629-1641	2.9	10
290	Fractional-order internal model control algorithm based on the force/position control structure of redundant actuation parallel robot. <i>International Journal of Advanced Robotic Systems</i> , 2020 , 17, 1729881-1729892	1.4	3
289	Joint optimization based on direct sparse stereo visual-inertial odometry. <i>Autonomous Robots</i> , 2020 , 44, 791-809	3	3
288	Stability analysis of discrete-time positive polynomial-fuzzy-model-based control systems through fuzzy co-positive Lyapunov function with bounded control. <i>IET Control Theory and Applications</i> , 2020 , 14, 233-243	2.5	3
287	Fuzzy Adaptive Event-Triggered Sampled-Data Control for Stabilization of T _S Fuzzy Memristive Neural Networks With Reaction-Diffusion Terms. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	11
286	Classification of Electromyographic Hand Gesture Signals Using Modified Fuzzy C-Means Clustering and Two-Step Machine Learning Approach. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 1428-1435	4.8	10
285	Output Feedback and Stability Analysis of Positive Polynomial Fuzzy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	5
284	Adaptive neuro-fuzzy PID controller based on twin delayed deep deterministic policy gradient algorithm. <i>Neurocomputing</i> , 2020 , 402, 183-194	5.4	13
283	A Novel Approach to State and Unknown Input Estimation for Takagi-Sugeno 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
282	Adaptive fuzzy tracking control for a class of singular systems via output feedback scheme. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	3
281	Event-Based Dissipative Control of Interval Type-2 Fuzzy Markov Jump Systems under Sensor Saturation and Actuator Nonlinearity. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	8
280	Adaptive Prescribed-Time Control for Uncertain Nonlinear Systems with Non-affine Actuator Failures. <i>IFAC-PapersOnLine</i> , 2020 , 53, 3821-3828	0.7	
279	Estimation of Domain of Attraction for Discrete-Time Positive Interval Type-2 Polynomial Fuzzy Systems with Input Saturation. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	3

278	(L ₁)-Induced Static Output Feedback Controller Design and Stability Analysis for Positive Polynomial Fuzzy Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 41-52	0.4	
277	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
276	Reinforcement Learning-Based Control of Nonlinear Systems Using Lyapunov Stability Concept and Fuzzy Reward Scheme. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2059-2063	3.5	5
275	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
274	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
273	Event-Triggered Prescribed-Time Fuzzy Control for Space Teleoperation Systems Subject to Multiple Constraints and Uncertainties. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	10
272	Stability analysis and output feedback control for stochastic networked systems with multiple communication delays and nonlinearities using fuzzy control technique. <i>Applied Mathematics and Computation</i> , 2020 , 386, 125374	2.7	8
271	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
270	Event-Triggered Interval Type-2 Fuzzy Control for Uncertain Space Teleoperation Systems with State Constraints 2020 ,		1
269	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
268	Membership-Function-Dependent Stability Analysis for Polynomial Fuzzy-Model-Based Control Systems via Chebyshev Membership Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	1
267	Functional observer-controller method for unmeasured premise variables Takagi-Sugeno systems with external disturbance. <i>International Journal of Systems Science</i> , 2020 , 51, 3436-3450	2.3	1
266	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
265	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
264	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
263	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
262	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
261	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 1723-1736	8.3	7

260	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
259	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
258	Control of Discrete-Time State-Delay Interval Type-2 Fuzzy Systems via Dynamic Output Feedback. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	4
257	Magnetic-Field-Inspired Navigation for Quadcopter Robot in Unknown Environments 2019 ,		1
256	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
255	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
254	Observer-based control of positive polynomial fuzzy systems with unknown time delay. <i>Neurocomputing</i> , 2019 , 349, 77-90	5.4	8
253	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
252	Two-degree-of-freedom internal model position control and fuzzy fractional force control of nonlinear parallel robot. <i>International Journal of Systems Science</i> , 2019 , 50, 2261-2279	2.3	2
251	State estimation over non-acknowledgment networks with Markovian packet dropouts. <i>Automatica</i> , 2019 , 109, 108484	5.7	12
250	. <i>IEEE Access</i> , 2019 , 7, 97689-97703	3.5	3
249	NAO robot obstacle avoidance based on fuzzy Q-learning. <i>Industrial Robot</i> , 2019 , 47, 801-811	1.4	4
248	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1428-1440	8.3	20
247	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1215-1225	8.3	54
246	Necessary and sufficient stability condition for second-order switched systems: a phase function approach. <i>International Journal of Control</i> , 2019 , 92, 926-939	1.5	2
245	Membership-dependent stability conditions for type-1 and interval type-2 TS fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2019 , 356, 44-62	3.7	25
244	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
243	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1688-1703	8.3	23

242	Finite-Time Event-Triggered H_{∞} Control for TB Fuzzy Markov Jump Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3122-3135	8.3	336
241	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2289-2300	8.3	14
240	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2967-2980	8.3	49
239	Consensus in multi-agent system with communication constraints based on asynchronous dynamics. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 1109-1126	1.8	4
238	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 379-385	8.3	56
237	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 246-257	8.3	157
236	TB Fuzzy-Affine-Model-Based Reliable Output Feedback Control of Nonlinear Systems with Actuator Faults. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 81-97	2.2	8
235	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1125-1137	8.3	51
234	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
233	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
232	Reactive Magnetic-Field-Inspired Navigation Method for Robots in Unknown Convex 3-D Environments. <i>IEEE Robotics and Automation Letters</i> , 2018 , 3, 3583-3590	4.2	6
231	Camera Recognition and Laser Detection based on EKF-SLAM in the Autonomous Navigation of Humanoid Robot. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018 , 92, 265-277	2.9	7
230	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
229	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
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	Adaptive PID controller based on Q-learning algorithm. <i>CAAI Transactions on Intelligence Technology</i> , 2018 , 3, 235-244	9.7	12
226	Magnetic-Field-Inspired Navigation for Soft Continuum Manipulator*This work was supported in part by King's College London, the EPSRC in the framework of the NCNR (National Centre for Nuclear Robotics) project (EP/R02572X/1), the STIFF-FLOP project grant from the European Communities Seventh Framework Programme under grant agreement 287728, and the Indonesia Endowment Fund for Education, Ministry of Finance Republic of Indonesia. 2018 ,		1
225	Fuzzy Sliding Mode Control of a Continuum Manipulator 2018 ,		1

224	Image Defogging algorithm Based on Image Bright and Dark Channels* 2018 ,		1
223	Reactive Magnetic-Field-Inspired Navigation for Non-Holonomic Mobile Robots in Unknown Environments 2018 ,		6
222	Model Reduction of Discrete-Time Interval Type-2 T _B Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3545-3554	8.3	13
221	Envelope-constrained H _∞ filtering for nonlinear systems with quantization effects: The finite horizon case. <i>Automatica</i> , 2018 , 93, 527-534	5.7	75
220	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
219	Mean-Square \mathcal{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
218	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
217	Event-Triggered Control for Nonlinear Systems Under Unreliable Communication Links. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 813-824	8.3	100
216	Approaches to T _B Fuzzy-Affine-Model-Based Reliable Output Feedback Control for Nonlinear It _∞ Stochastic Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 569-583	8.3	158
215	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
214	Hypoglycemia detection: multiple regression-based combinational neural logic approach. <i>Soft Computing</i> , 2017 , 21, 543-553	3.5	5
213	Event-Triggered Fault Detection of Nonlinear Networked Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1041-1052	10.2	245
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28	Fuzzy control of DC-DC switching converters based on TS modeling approach		5
27	Design and stabilization of sampled-data neural-network-based control systems		2

26	A genetic algorithm based variable structure Neural Network	3
25	Recognition of speech commands using a modified neural fuzzy network and an improved GA	3
24	A genetic algorithm based fuzzy-tuned neural network	4
23	Stable fuzzy controller design for uncertain nonlinear systems: genetic algorithm approach	1
22	Neural fuzzy network and genetic algorithm approach for Cantonese speech command recognition	1
21	Stability analysis, synthesis and optimization of radial-basis-function neural-network based controller for nonlinear systems	1
20	Improved genetic algorithm for economic load dispatch with valve-point loadings	11
19	A genetic algorithm based neural-tuned neural network	3
18	Linear controllers for fuzzy systems subject to unknown parameters: stability analysis and design based on linear matrix inequality (LMI) approach	1
17	Tuning of the structure and parameters of neural network using an improved genetic algorithm	18
16	A fast path planning-and-tracking control for wheeled mobile robots	6
15	A practical fuzzy logic controller for the path tracking of wheeled mobile robots	3
14	Fuzzy model reference control of wheeled mobile robots	6
13	Learning of neural network parameters using a fuzzy genetic algorithm	3
12	On interpretation of graffiti digits and commands for eBooks: neural fuzzy network and genetic algorithm approach	1
11	Short-term daily load forecasting in an intelligent home with GA-based neural network	2
10	A novel GA-based neural network for short-term load forecasting	4
9	Fuzzy control of DC-DC switching converters: stability and robustness analysis/sup 1/	9

8	A neural fuzzy network with optimal number of rules for short-term load forecasting in an intelligent home	1
7	On interpretation of graffiti commands for eBooks using a neural network and an improved genetic algorithm	2
6	Optimal and stable fuzzy controllers for nonlinear systems subject to parameter uncertainties using genetic algorithm	2
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