Mojtaba Ahmadieh Khanesar

List of Publications by Year
in descending order

91 papers	1,626 citations	394286 19 h-index	360920 35 g-index
94 all docs	94 docs citations	94 times ranked	1633 citing authors

#	Article	IF	Citations
1	Robust Sliding Mode Fuzzy Control of Industrial Robots Using an Extended Kalman Filter Inverse Kinematic Solver. Energies, 2022, 15, 1876.	1.6	10
2	Rule-Based Sliding-Mode Fuzzy Logic Control. Studies in Systems, Decision and Control, 2021, , 89-102.	0.8	0
3	Adaptive Sliding-Mode Fuzzy Control Systems: Gradient Descent Method. Studies in Systems, Decision and Control, 2021, , 103-124.	0.8	0
4	Adaptive Sliding-Mode Fuzzy Control Systems: Lyapunov Approach. Studies in Systems, Decision and Control, 2021, , 125-178.	0.8	0
5	Prediction Interval Identification Using Interval Type-2 Fuzzy Logic Systems: Lake Water Level Prediction Using Remote Sensing Data. IEEE Sensors Journal, 2021, 21, 13815-13827.	2.4	7
6	Electrical Load Prediction Using Interval Type-2 Atanassov Intuitionist Fuzzy System: Gravitational Search Algorithm Tuning Approach. Energies, 2021, 14, 3591.	1.6	4
7	Unsupervised Learning for Product Use Activity Recognition: An Exploratory Study of a â€œChatty Deviceâ€. Sensors, 2021, 21, 4991.	2.1	7
8	Intelligent Optimization of Sliding-Mode Fuzzy Logic Controllers. Studies in Systems, Decision and Control, 2021, , 213-234.	0.8	0
9	Fuzzy Logic Systems. Studies in Systems, Decision and Control, 2021, , 57-87.	0.8	0
10	XOR Binary Gravitational Search Algorithm with Repository: Industry 4.0 Applications. Applied Sciences (Switzerland), 2020, 10, 6451.	1.3	5
11	Recurrent Interval Type-2 Fuzzy Wavelet Neural Network with Stable Learning Algorithm: Application to Model-Based Predictive Control. International Journal of Fuzzy Systems, 2020, 22, 351-367.	2.3	7
12	Ensemble of Deep Belief Network and Bayesian Adaptive Aggregation for Regression. , 2019, , .		0
13	Optimal control of non-smooth fractional-order systems based on extended Caputo derivative. Nonlinear Dynamics, 2019, 96, 57-74.	2.7	6
14	Nonlinear System Identification Using Type-2 Fuzzy Recurrent Wavelet Neural Network. , 2019, , .		5
15	A Novel Non-Iterative Parameter Estimation Method for Interval Type-2 Fuzzy Neural Networks Based on a Dynamic Cost Function. , 2019, , .		2
16	Ant Colony Optimization Algorithm for Industrial Robot Programming in a Digital Twin. , 2019, , .		15
17	XOR Binary Gravitational Search Algorithm. , 2019, , .		2
18	Type-2 fuzzy elliptic membership functions for modeling uncertainty. Engineering Applications of Artificial Intelligence, 2018, 70, 170-183.	4.3	26

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19	Optimal parameters of an ELM-based interval type 2 fuzzy logic system: a hybrid learning algorithm. Neural Computing and Applications, 2018, 29, 1001-1014.	3.2	6
20	Modeling level change in Lake Urmia using hybrid artificial intelligence approaches. Theoretical and Applied Climatology, 2018, 133, 447-458.	1.3	4
21	Improving the quality of service in network-based control systems. Transactions of the Institute of Measurement and Control, 2018, 40, 2694-2702.	1.1	0
22	An aerial robot for rice farm quality inspection with type-2 fuzzy neural networks tuned by particle swarm optimization-sliding mode control hybrid algorithm. Swarm and Evolutionary Computation, 2018, 41, 1-8.	4.5	63
23	Optimal synchronization of non-smooth fractional order chaotic systems with uncertainty based on extension of a numerical approach in fractional optimal control problems. Chaos, Solitons and Fractals, 2018, 115, 325-340.	2.5	9
24	MOSCAP compensation of three-stage operational amplifiers: Sensitivity and robustness, modeling and analysis. The Integration VLSI Journal, 2018, 62, 34-49.	1.3	1
25	A New Maximum Power Point Tracking Based on Modified Firefly Algorithm for PV System Under Partial Shading Conditions. Technology and Economics of Smart Grids and Sustainable Energy, 2018, 3, 1.	1.8	27
26	Comparative analysis of three approaches of antecedent part generation for an IT2 TSK FLS. Applied Soft Computing Journal, 2017, 51, 130-144.	4.1	6
27	Guaranteed cost adaptive sliding mode fuzzy control systems. , 2017, , .		0
28	Novel Levenbergâ€“Marquardt based learning algorithm for unmanned aerial vehicles. Information Sciences, 2017, 417, 361-380.	4.0	39
29	Improving the Speed of Center of Sets Type Reduction in Interval Type-2 Fuzzy Systems by Eliminating the Need for Sorting. IEEE Transactions on Fuzzy Systems, 2017, 25, 1193-1206.	6.5	33
30	Multi objective optimal allocation of fault current limiters in power system. International Journal of Electrical Power and Energy Systems, 2017, 85, 1-11.	3.3	27
31	A novel complexity reduced Levenberge-Marquardt algorithm: Application to the training of interval type-2 fuzzy systems. , 2017, , .		1
32	Learning Control of Fixed-Wing Unmanned Aerial Vehicles Using Fuzzy Neural Networks. International Journal of Aerospace Engineering, 2017, 2017, 1-12.	0.5	22
33	Elliptic membership functions and the modeling uncertainty in type-2 fuzzy logic systems as applied to time series prediction. , 2017, , .		6
34	Type-2 Fuzzy Neural Networks. , 2016, , 37-43.		10
35	Gradient Descent Methods for Type-2 Fuzzy Neural Networks. , 2016, , 45-70.		1
36	Extended Kalman Filter Algorithm for the Tuning of Type-2 Fuzzy Neural Networks. , 2016, , 71-84.		0

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37	Sliding Mode Control Theory-Based Parameter Adaptation Rules for Fuzzy Neural Networks. , 2016, , 85-131.		3
38	Hybrid Training Method for Type-2 Fuzzy Neural Networks Using Particle Swarm Optimization. , 2016, , 133-160.		1
39	Noise Reduction Property of Type-2 Fuzzy Neural Networks. , 2016, , 161-172.		1
40	Model of car wing active control in order to increase stability of the car on corners of roads. , 2016, , .		1
41	A multi-objective genetic type-2 fuzzy extreme learning system for the identification of nonlinear dynamic systems. , 2016, , .		0
42	Sliding mode fuzzy rule base bilateral teleoperation control of 2-DOF SCARA system. , 2016, , .		9
43	Artificial bee colony optimization of interval type-2 fuzzy extreme learning system for chaotic data. , 2016, , .		2
44	COOA: Competitive optimization algorithm. Swarm and Evolutionary Computation, 2016, 30, 39-63.	4.5	29
45	Optimal design of adaptive type-2 neuro-fuzzy systems: A review. Applied Soft Computing Journal, 2016, 44, 134-143.	4.1	33
46	A Novel Direct Model Reference Fuzzy Control Approach Based on Observer and Its Applications. IFAC-PapersOnLine, 2016, 49, 318-323.	0.5	1
47	Adaptive direct fuzzy control of SISO nonlinear systems using a fuzzy reference model. , 2016, , .		1
48	Recurrent Interval Type-2 Fuzzy Control of 2-DOF Helicopter With Finite Time Training Algorithm. IFAC-PapersOnLine, 2016, 49, 293-299.	0.5	10
49	Maclaurin series expansion complexity-reduced center of sets type-reduction + defuzzification for interval type-2 fuzzy systems. , 2016, , .		8
50	Recurrent interval type-2 neuro-fuzzy control of an electro hydraulic servo system. , 2016, , .		4
51	Indirect Model Reference Fuzzy Control of SISO Fractional Order Nonlinear Chaotic Systems. Procedia Computer Science, 2016, 102, 309-316.	1.2	15
52	Fuzzy reference model for adaptive indirect Takagi-Sugeno model reference control. , 2016, , .		1
53	A systematic design of interval type-2 fuzzy logic system using extreme learning machine for electricity load demand forecasting. International Journal of Electrical Power and Energy Systems, 2016, 82, 1-10.	3.3	64
54	Model reference fractional order control using type-2 fuzzy neural networks structure: Implementation on a 2-DOF helicopter. Neurocomputing, 2016, 193, 268-279.	3.5	20

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55	Design of a hierarchical fuzzy model predictive controller. International Journal of Engineering and Technology(UAE), 2015, 4, 342.	0.2	1
56	Stabilization of type-2 fuzzy Takagi-Sugeno-Kang identifier using Lyapunov functions. , 2015, , .		0
57	Optimal sliding mode type-2 TSK fuzzy control of a 2-DOF helicopter. , 2015, , .		9
58	Levenberg-Marquardt training method for Type-2 fuzzy neural networks and its stability analysis. , 2015, , .		2
59	Direct Model Reference Adaptive Fuzzy Control of Networked SISO Nonlinear Systems. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	3.7	19
60	Feedback Error Learning Control of Magnetic Satellites Using Type-2 Fuzzy Neural Networks With Elliptic Membership Functions. IEEE Transactions on Cybernetics, 2015, 45, 858-868.	6.2	47
61	Adaptive Indirect Fuzzy Sliding Mode Controller for Networked Control Systems Subject to Time-Varying Network-Induced Time Delay. IEEE Transactions on Fuzzy Systems, 2015, 23, 205-214.	6.5	128
62	Adaptive sliding-mode type-2 neuro-fuzzy control of an induction motor. Expert Systems With Applications, 2015, 42, 6635-6647.	4.4	64
63	Controlling the Pitch and Yaw Angles of a 2-DOF Helicopter Using Interval Type-2 Fuzzy Neural Networks. Studies in Systems, Decision and Control, 2015, , 349-370.	0.8	7
64	Identification of Nonlinear Dynamic Systems Using Type-2 Fuzzy Neural Networksâ€”A Novel Learning Algorithm and a Comparative Study. IEEE Transactions on Industrial Electronics, 2015, 62, 1716-1724.	5.2	84
65	Hybrid Model for the Training of Interval Type-2 Fuzzy Logic System. Lecture Notes in Computer Science, 2015, , 644-653.	1.0	1
66	Improved Karnik-Mendel algorithm: Eliminating the need for sorting. , 2014, , .		4
67	Neural Networks for Normative Knowledge Source of Cultural Algorithm. International Journal of Computational Intelligence Systems, 2014, 7, 979.	1.6	1
68	Discrete binary cat swarm optimization algorithm. , 2013, , .		63
69	Hierarchical Fuzzy identification using gradient descent and recursive least square method. , 2013, , .		1
70	Observer-based indirect model reference fuzzy control system with application to control of chaotic systems. Journal of the Franklin Institute, 2013, 350, 419-436.	1.9	10
71	Type-2 Fuzzy neural networks for sliding mode Fuzzy control of nonlinear dynamical systems with adaptive learning rate. , 2013, , .		1
72	Sliding mode type-2 fuzzy control of robotic arm using ellipsoidal membership functions. , 2013, , .		1

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73	Estimation of the parameters of wavelet neural networks using simultaneous use of genetic algorithm and recursive least square. , 2013, , .		0
74	Statistical results to show the superiority of type two fuzzy logic systems over type one counterparts under noisy conditions. , 2012, , .		3
75	Extended Kalman Filter Based Learning Algorithm for Type-2 Fuzzy Logic Systems and Its Experimental Evaluation. IEEE Transactions on Industrial Electronics, 2012, 59, 4443-4455.	5.2	124
76	Training fuzzy neural networks using sliding mode theory with adaptive learning rate. , 2012, , .		1
77	Control and synchronization of chaotic systems using a novel indirect model reference fuzzy controller. Soft Computing, 2012, 16, 1253-1265.	2.1	21
78	A novel training method based on variable structure systems theory for fuzzy neural networks. , 2011, , .		3
79	Levenberg marquardt algorithm for the training of type-2 fuzzy neuro systems with a novel type-2 fuzzy membership function. , 2011, , .		20
80	Analysis of the Noise Reduction Property of Type-2 Fuzzy Logic Systems Using a Novel Type-2 Membership Function. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1395-1406.	5.5	81
81	Direct Model Reference Takagiâ€“Sugeno Fuzzy Control of SISO Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2011, 19, 914-924.	6.5	54
82	Identification of interval fuzzy models using recursive least square method. , 2010, , .		1
83	Subspace identification of dynamical neurofuzzy system using LOLIMOT. , 2010, , .		4
84	A novel type-2 fuzzy membership function: application to the prediction of noisy data. , 2010, , .		35
85	Identification using ANFIS with intelligent hybrid stable learning algorithm approaches and stability analysis of training methods. Applied Soft Computing Journal, 2009, 9, 833-850.	4.1	120
86	Incremental Locally Linear Fuzzy Classifier. Advances in Intelligent and Soft Computing, 2009, , 305-314.	0.2	0
87	Direct Stable Adaptive Fuzzy Neural Model Reference Control of a Class of Nonlinear Systems. , 2008, , .		5
88	Fuzzy Sliding Mode Control of Rotary Inverted Pendulum. , 2007, , .		18
89	Sliding mode control of Rotary Inverted Pendulm. , 2007, , .		10
90	A novel binary particle swarm optimization. , 2007, , .		113

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91	Hybrid Training of Recurrent Fuzzy Neural Network Model. , 2007, , .		16