

Ardashir Mohammadzadeh

List of Publications by Year in descending order

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87
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185998

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docs citations

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times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	A developed observer-based type-2 fuzzy control for chaotic systems. International Journal of Systems Science, 2023, 54, 2921-2940.	3.7	10
2	A New Robust Control for Induction Motors. IETE Journal of Research, 2022, 68, 1168-1176.	1.8	2
3	Stabilization of 5G Telecom Converter-Based Deep Type-3 Fuzzy Machine Learning Control for Telecom Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 544-548.	2.2	17
4	Load frequency control for multi-area power systems: A new type-2 fuzzy approach based on Levenberg-Marquardt algorithm. ISA Transactions, 2022, 121, 40-52.	3.1	31
5	A machine learning approach for active/reactive power control of grid-connected doubly-fed induction generators. Ain Shams Engineering Journal, 2022, 13, 101564.	3.5	34
6	A type-2 fuzzy control for active/reactive power control and energy storage management. Transactions of the Institute of Measurement and Control, 2022, 44, 1014-1028.	1.1	12
7	Model Predictive Control Based Type-3 Fuzzy Estimator for Voltage Stabilization of DC Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 13849-13858.	5.2	21
8	Optimized Type-2 Fuzzy Frequency Control for Multi-Area Power Systems. IEEE Access, 2022, 10, 6989-7002.	2.6	29
9	A new predictive energy management system: Deep learned type-2 fuzzy system based on singular value decomposition. Energy Reports, 2022, 8, 722-734.	2.5	19
10	Modeling the Price of Emergency Power Transmission Lines in the Reserve Market Due to the Influence of Renewable Energies. Frontiers in Energy Research, 2022, 9, .	1.2	23
11	Automatic Control for Time Delay Markov Jump Systems under Polytopic Uncertainties. Mathematics, 2022, 10, 187.	1.1	7
12	Single-Image Reflection Removal Using Deep Learning: A Systematic Review. IEEE Access, 2022, 10, 29937-29953.	2.6	12
13	Generalized Type-2 Fuzzy Control for Type-I Diabetes: Analytical Robust System. Mathematics, 2022, 10, 690.	1.1	8
14	A Neural Controller for Induction Motors: Fractional-Order Stability Analysis and Online Learning Algorithm. Mathematics, 2022, 10, 1003.	1.1	5
15	A Hybrid Predictive Type-3 Fuzzy Control for Time-Delay Multi-Agent Systems. Electronics (Switzerland), 2022, 11, 63.	1.8	8
16	A Type-2 Fuzzy Controller for Floating Tension-Leg Platforms in Wind Turbines. Energies, 2022, 15, 1705.	1.6	9
17	A New Short Term Electrical Load Forecasting by Type-2 Fuzzy Neural Networks. Energies, 2022, 15, 3034.	1.6	4
18	H \tilde{a} -based control of multi-agent systems: Time-delayed signals, unknown leader states and switching graph topologies. PLoS ONE, 2022, 17, e0263017.	1.1	0

#	ARTICLE	IF	CITATIONS
19	A hybrid approach for fault location in power distributed networks: Impedance-based and machine learning technique. <i>Electric Power Systems Research</i> , 2022, 210, 108073.	2.1	23
20	A Type-2 Fuzzy Logic Approach for Forecasting of Effluent Quality Parameters of Wastewater Treatment. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-10.	0.6	3
21	Optimal Control of an Energy-Storage System in a Microgrid for Reducing Wind-Power Fluctuations. <i>Sustainability</i> , 2022, 14, 6183.	1.6	33
22	A Type-3 Fuzzy Approach for Stabilization and Synchronization of Chaotic Systems: Applicable for Financial and Physical Chaotic Systems. <i>Complexity</i> , 2022, 2022, 1-17.	0.9	7
23	Response Attenuation of a Structure Equipped with ATMD under Seismic Excitations Using Methods of Online Simple Adaptive Controller and Online Adaptive Type-2 Neural-Fuzzy Controller. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-25.	1.1	1
24	Fixed-time synchronization analysis for discontinuous fuzzy inertial neural networks with parameter uncertainties. <i>Neurocomputing</i> , 2021, 422, 295-313.	3.5	75
25	A dynamic general type-2 fuzzy system with optimized secondary membership for online frequency regulation. <i>ISA Transactions</i> , 2021, 112, 150-160.	3.1	19
26	Non-singleton fuzzy control for multi-synchronization of chaotic systems. <i>Applied Soft Computing Journal</i> , 2021, 99, 106924.	4.1	16
27	Fault Estimation for Mode-Dependent IT2 Fuzzy Systems With Quantized Output Signals. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 298-309.	6.5	43
28	Chaos synchronization of brushes direct current motors for electric vehicle: Adaptive fuzzy immersion and invariance approach. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 178-193.	1.1	3
29	A New Online Learned Interval Type-3 Fuzzy Control System for Solar Energy Management Systems. <i>IEEE Access</i> , 2021, 9, 10498-10508.	2.6	91
30	Application of artificial intelligence in modeling, control, and fault diagnosis. , 2021, , 255-323.		2
31	A New Active Fault Tolerant Control System: Predictive Online Fault Estimation. <i>IEEE Access</i> , 2021, 9, 118461-118471.	2.6	13
32	A Simple Matlab Simulink Model for Adaptive General Type-2 Fuzzy Logic Systems. , 2021, , .		1
33	Converter switching mechanism scheduling by type-2 fuzzy approach for PV/battery/Fuel systems. , 2021, , .		1
34	Optimal Placement and Sizing of Energy-related Devices in Microgrids Using Grasshopper Optimization Algorithm. , 2021, , .		9
35	Designing Multirate Controller for Optimal Tracking of Nonholonomic Laparoscopic Robotic Arm in a Telesurgery System. , 2021, , .		1
36	A review on type-2 fuzzy neural networks for system identification. <i>Soft Computing</i> , 2021, 25, 7197-7212.	2.1	23

#	ARTICLE	IF	CITATIONS
37	Modeling Renewable Energy Systems by a Self-Evolving Nonlinear Consequent Part Recurrent Type-2 Fuzzy System for Power Prediction. Sustainability, 2021, 13, 3301.	1.6	32
38	General type-2 fuzzy multi-switching synchronization of fractional-order chaotic systems. Engineering Applications of Artificial Intelligence, 2021, 100, 104163.	4.3	11
39	A Novel Fractional-Order Multiple-Model Type-3 Fuzzy Control for Nonlinear Systems with Unmodeled Dynamics. International Journal of Fuzzy Systems, 2021, 23, 1633-1651.	2.3	70
40	A deep learned type-2 fuzzy neural network: Singular value decomposition approach. Applied Soft Computing Journal, 2021, 105, 107244.	4.1	24
41	Deep learned recurrent type-3 fuzzy system: Application for renewable energy modeling/prediction. Energy Reports, 2021, 7, 8115-8127.	2.5	70
42	A new type-3 fuzzy predictive controller for MEMS gyroscopes. Nonlinear Dynamics, 2021, 106, 381-403.	2.7	32
43	A deep learned fuzzy control for inertial sensing: Micro electro mechanical systems. Applied Soft Computing Journal, 2021, 109, 107597.	4.1	11
44	Medical Image Interpolation Using Recurrent Type-2 Fuzzy Neural Network. Frontiers in Neuroinformatics, 2021, 15, 667375.	1.3	18
45	Multivariable Model Reference Adaptive Control of an Industrial Power Boiler Using Recurrent RBFN. Complexity, 2021, 2021, 1-12.	0.9	2
46	A type-3 logic fuzzy system: Optimized by a correntropy based Kalman filter with adaptive fuzzy kernel size. Information Sciences, 2021, 572, 424-443.	4.0	61
47	Proportional integral observer based tracking control design for Markov jump systems. Applied Mathematics and Computation, 2021, 410, 126467.	1.4	5
48	Stability of Interval Type-3 Fuzzy Controllers for Autonomous Vehicles. Mathematics, 2021, 9, 2742.	1.1	20
49	Non-Singleton Type-3 Fuzzy Approach for Flowmeter Fault Detection: Experimental Study in a Gas Industry. Sensors, 2021, 21, 7419.	2.1	22
50	A New General Type-2 Fuzzy Predictive Scheme for PID Tuning. Applied Sciences (Switzerland), 2021, 11, 10392.	1.3	27
51	A New Data-Driven Control System for MEMS Gyroscopes: Dynamics Estimation by Type-3 Fuzzy Systems. Micromachines, 2021, 12, 1390.	1.4	15
52	Frequency Regulation System: A Deep Learning Identification, Type-3 Fuzzy Control and LMI Stability Analysis. Energies, 2021, 14, 7801.	1.6	12
53	Observer-Based Control for Nonlinear Time-Delayed Asynchronously Switching Systems: A New LMI Approach. Mathematics, 2021, 9, 2968.	1.1	2
54	Corrigendum to "Multivariable Model Reference Adaptive Control of an Industrial Power Boiler Using Recurrent RBFN". Complexity, 2021, 2021, 1-2.	0.9	0

#	ARTICLE	IF	CITATIONS
55	A generalized type-2 fuzzy approach for demand response and uncertainty problems in MGs. , 2021, , .		0
56	A New Event-Triggered Type-3 Fuzzy Control System for Multi-Agent Systems: Optimal Economic Efficient Approach for Actuator Activating. Electronics (Switzerland), 2021, 10, 3122.	1.8	9
57	A robust fuzzy control approach for path-following control of autonomous vehicles. Soft Computing, 2020, 24, 3223-3235.	2.1	41
58	An Interval Type-3 Fuzzy System and a New Online Fractional-Order Learning Algorithm: Theory and Practice. IEEE Transactions on Fuzzy Systems, 2020, 28, 1940-1950.	6.5	110
59	A robust control of a class of induction motors using rough type-2 fuzzy neural networks. Soft Computing, 2020, 24, 9809-9819.	2.1	9
60	A novel fractional-order fuzzy control method based on immersion and invariance approach. Applied Soft Computing Journal, 2020, 88, 106043.	4.1	17
61	Machine Learning for Modeling the Singular Multi-Pantograph Equations. Entropy, 2020, 22, 1041.	1.1	18
62	Fractional-Order Fuzzy Control Approach for Photovoltaic/Battery Systems under Unknown Dynamics, Variable Irradiation and Temperature. Electronics (Switzerland), 2020, 9, 1455.	1.8	45
63	Voltage Regulation for Photovoltaics-Battery-Fuel Systems Using Adaptive Group Method of Data Handling Neural Networks (GMDH-NN). IEEE Access, 2020, 8, 213748-213757.	2.6	15
64	Physicochemical parameters data assimilation for efficient improvement of water quality index prediction: Comparative assessment of a noise suppression hybridization approach. Journal of Cleaner Production, 2020, 271, 122576.	4.6	56
65	Energy management in photovoltaic battery hybrid systems: A novel type-2 fuzzy control. International Journal of Hydrogen Energy, 2020, 45, 20970-20982.	3.8	43
66	A novel adaptive control approach for path tracking control of autonomous vehicles subject to uncertain dynamics. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2115-2126.	1.1	18
67	On the Synchronization and Stabilization of fractional-order chaotic systems: Recent advances and future perspectives. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124203.	1.2	44
68	A novel fractional-order type-2 fuzzy control method for online frequency regulation in ac microgrid. Engineering Applications of Artificial Intelligence, 2020, 90, 103483.	4.3	51
69	A new fractional-order general type-2 fuzzy predictive control system and its application for glucose level regulation. Applied Soft Computing Journal, 2020, 91, 106241.	4.1	53
70	Optimal Type-3 Fuzzy System for Solving Singular Multi-Pantograph Equations. IEEE Access, 2020, 8, 225692-225702.	2.6	26
71	Designing a fuzzy PI ^λ controller to control the pitch angle in wind turbines under variant speed. Kiyfiyyat Va Bahrah/ <i>at-i Barq-i ÄrÄn</i> , 2020, 9, 1-15.	0.1	0
72	Robust predictive synchronization of uncertain fractional-order time-delayed chaotic systems. Soft Computing, 2019, 23, 6883-6898.	2.1	40

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73	New approach to control the induction motors based on immersion and invariance technique. IET Control Theory and Applications, 2019, 13, 1466-1472.	1.2	10
74	Square-Root Cubature Kalman Filters for Training Recurrent Type-2 Fuzzy Neural Networks. , 2019, , .		0
75	Robust fuzzy control for fractional-order systems with estimated fraction-order. Nonlinear Dynamics, 2019, 98, 2375-2385.	2.7	37
76	A novel general type-2 fuzzy controller for fractional-order multi-agent systems under unknown time-varying topology. Journal of the Franklin Institute, 2019, 356, 5151-5171.	1.9	57
77	A non-singleton type-2 fuzzy neural network with adaptive secondary membership for high dimensional applications. Neurocomputing, 2019, 338, 63-71.	3.5	34
78	Dynamic programming strategy based on a type-2 fuzzy wavelet neural network. Nonlinear Dynamics, 2019, 95, 1661-1672.	2.7	29
79	Robust synchronization of uncertain fractional-order chaotic systems with time-varying delay. Nonlinear Dynamics, 2018, 93, 1809-1821.	2.7	36
80	Optimal synchronization of fractional-order chaotic systems subject to unknown fractional order, input nonlinearities and uncertain dynamic using type-2 fuzzy CMAC. Nonlinear Dynamics, 2017, 88, 2993-3002.	2.7	34
81	Synchronization of uncertain fractional-order hyperchaotic systems by using a new self-evolving non-singleton type-2 fuzzy neural network and its application to secure communication. Nonlinear Dynamics, 2017, 88, 1-19.	2.7	101
82	Observer-based method for synchronization of uncertain fractional order chaotic systems by the use of a general type-2 fuzzy system. Applied Soft Computing Journal, 2016, 49, 544-560.	4.1	36
83	A modified sliding mode approach for synchronization of fractional-order chaotic/hyperchaotic systems by using new self-structuring hierarchical type-2 fuzzy neural network. Neurocomputing, 2016, 191, 200-213.	3.5	45
84	Robust H_{∞} -Based Synchronization of the Fractional-Order Chaotic Systems by Using New Self-Evolving Nonsingleton Type-2 Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2016, 24, 1544-1554.	6.5	49
85	Synchronization of chaotic systems and identification of nonlinear systems by using recurrent hierarchical type-2 fuzzy neural networks. ISA Transactions, 2015, 58, 318-329.	3.1	28
86	A new robust observer-based adaptive type-2 fuzzy control for a class of nonlinear systems. Applied Soft Computing Journal, 2015, 37, 204-216.	4.1	30
87	Two-mode Indirect Adaptive Control Approach for the Synchronization of Uncertain Chaotic Systems by the Use of a Hierarchical Interval Type-2 Fuzzy Neural Network. IEEE Transactions on Fuzzy Systems, 2014, 22, 1301-1312.	6.5	39