

Meng Joo Er

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129
papers

4,604
citations

38
h-index

65
g-index

165
ext. papers

5,594
ext. citations

5
avg, IF

6.11
L-index

#	Paper	IF	Citations
129	A review of clustering techniques and developments. <i>Neurocomputing</i> , 2017 , 267, 664-681	5.4	401
128	Face recognition with radial basis function (RBF) neural networks. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 697-710		351
127	. <i>IEEE Transactions on Fuzzy Systems</i> , 2001 , 9, 578-594	8.3	228
126	High-speed face recognition based on discrete cosine transform and RBF neural networks. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 679-91		165
125	NARMAX time series model prediction: feedforward and recurrent fuzzy neural network approaches. <i>Fuzzy Sets and Systems</i> , 2005 , 150, 331-350	3.7	163
124	. <i>IEEE Transactions on Fuzzy Systems</i> , 2003 , 11, 462-477	8.3	135
123	Direct Adaptive Fuzzy Tracking Control of Marine Vehicles With Fully Unknown Parametric Dynamics and Uncertainties. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1845-1852	4.8	133
122	Composite adaptive fuzzy H _∞ tracking control of uncertain nonlinear systems. <i>Neurocomputing</i> , 2013 , 99, 15-24	5.4	119
121	Global Asymptotic Model-Free Trajectory-Independent Tracking Control of an Uncertain Marine Vehicle: An Adaptive Universe-Based Fuzzy Control Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1613-1625	8.3	108
120	Adaptive Fuzzy Control With Guaranteed Convergence of Optimal Approximation Error. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 807-818	8.3	104
119	A fast and accurate online self-organizing scheme for parsimonious fuzzy neural networks. <i>Neurocomputing</i> , 2009 , 72, 3818-3829	5.4	104
118	Parsimonious extreme learning machine using recursive orthogonal least squares. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1828-41	10.3	97
117	Finite-time observer based accurate tracking control of a marine vehicle with complex unknowns. <i>Ocean Engineering</i> , 2017 , 145, 406-415	3.9	94
116	Coverage path planning for UAVs based on enhanced exact cellular decomposition method. <i>Mechatronics</i> , 2011 , 21, 876-885	3	93
115	An Incremental Learning of Concept Drifts Using Evolving Type-2 Recurrent Fuzzy Neural Networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1175-1192	8.3	82
114	Event-Triggered Consensus of Linear Multiagent Systems With Time-Varying Communication Delays. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2916-2925	10.2	78
113	PCA and LDA in DCT domain. <i>Pattern Recognition Letters</i> , 2005 , 26, 2474-2482	4.7	76

112	Enhanced Adaptive Fuzzy Control With Optimal Approximation Error Convergence. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 1123-1132	8.3	74
111	A local binary pattern based texture descriptors for classification of tea leaves. <i>Neurocomputing</i> , 2015 , 168, 1011-1023	5.4	73
110	. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 620-628	8.9	71
109	An online sequential learning algorithm for regularized Extreme Learning Machine. <i>Neurocomputing</i> , 2016 , 173, 778-788	5.4	68
108	Obstacle avoidance of a mobile robot using hybrid learning approach. <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 898-905	8.9	64
107	Hybrid fuzzy control of robotics systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2004 , 12, 755-765	8.3	62
106	. <i>IEEE Transactions on Intelligent Vehicles</i> , 2016 , 1, 230-243	5	61
105	A fast learning algorithm for parsimonious fuzzy neural systems. <i>Fuzzy Sets and Systems</i> , 2002 , 126, 337-351	5.1	56
104	Sequential fuzzy clustering based dynamic fuzzy neural network for fault diagnosis and prognosis. <i>Neurocomputing</i> , 2016 , 196, 31-41	5.4	51
103	Machine health condition prediction via online dynamic fuzzy neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 35, 105-113	7.2	51
102	An online self-organizing scheme for Parsimonious and Accurate Fuzzy Neural Networks. <i>International Journal of Neural Systems</i> , 2010 , 20, 389-403	6.2	51
101	Data driven modeling based on dynamic parsimonious fuzzy neural network. <i>Neurocomputing</i> , 2013 , 110, 18-28	5.4	49
100	. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 1109-1117	8.9	49
99	Dynamic Tanker Steering Control Using Generalized Ellipsoidal-Basis-Function-Based Fuzzy Neural Networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1414-1427	8.3	48
98	Constructive multi-output extreme learning machine with application to large tanker motion dynamics identification. <i>Neurocomputing</i> , 2014 , 128, 59-72	5.4	48
97	A multilayer path planner for a USV under complex marine environments. <i>Ocean Engineering</i> , 2019 , 184, 1-10	3.9	46
96	Large Tanker Motion Model Identification Using Generalized Ellipsoidal Basis Function-Based Fuzzy Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2732-43	10.2	44
95	An intelligent adaptive control scheme for postsurgical blood pressure regulation. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 475-83		43

94	Analysis of Hop-Count-Based Source-to-Destination Distance Estimation in Wireless Sensor Networks With Applications in Localization. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2998-3011	6.8	40
93	Reduced Adaptive Fuzzy Decoupling Control for Lower Limb Exoskeleton. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1099-1109	10.2	40
92	Adaptive neural PD control with semiglobal asymptotic stabilization guarantee. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 2264-74	10.3	39
91	Adaptive neural network control of uncertain nonlinear systems with nonsmooth actuator nonlinearities. <i>Neurocomputing</i> , 2007 , 70, 1062-1070	5.4	36
90	A novel efficient learning algorithm for self-generating fuzzy neural network with applications. <i>International Journal of Neural Systems</i> , 2012 , 22, 21-35	6.2	35
89	Fuzzy neural networks-based quality prediction system for sintering process. <i>IEEE Transactions on Fuzzy Systems</i> , 2000 , 8, 314-324	8.3	31
88	Adaptive fuzzy PD control with stable H _∞ tracking guarantee. <i>Neurocomputing</i> , 2017 , 237, 71-78	5.4	27
87	Data driven modelling based on Recurrent Interval-Valued Metacognitive Scaffolding Fuzzy Neural Network. <i>Neurocomputing</i> , 2017 , 262, 4-27	5.4	25
86	Adaptive noise cancellation using enhanced dynamic fuzzy neural networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2005 , 13, 331-342	8.3	24
85	. <i>IEEE Transactions on Industrial Electronics</i> , 2000 , 47, 1151-1160	8.9	24
84	Efficient Leave-One-Out Cross-Validation-based Regularized Extreme Learning Machine. <i>Neurocomputing</i> , 2016 , 194, 260-270	5.4	23
83	Online probabilistic learning for fuzzy inference system. <i>Expert Systems With Applications</i> , 2014 , 41, 5082-5096	7.5	23
82	Fire-rule-based direct adaptive type-2 fuzzy H _∞ tracking control. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1174-1185	7.2	23
81	Range-free wireless sensor networks localization based on hop-count quantization. <i>Telecommunication Systems</i> , 2012 , 50, 199-213	2.3	22
80	Sequential active learning using meta-cognitive extreme learning machine. <i>Neurocomputing</i> , 2016 , 173, 835-844	5.4	21
79	Distributed Adaptive Fuzzy Control for Output Consensus of Heterogeneous Stochastic Nonlinear Multiagent Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 1-1	8.3	21
78	A Survey of Adaptive Fuzzy Controllers: Nonlinearities and Classifications. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1095-1107	8.3	21
77	Control of Adept One SCARA robot using neural networks. <i>IEEE Transactions on Industrial Electronics</i> , 1997 , 44, 762-768	8.9	21

76	Event-Triggered Control for TS Fuzzy Systems Under Asynchronous Network Communications. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 390-399	8.3	21
75	A novel progressive learning technique for multi-class classification. <i>Neurocomputing</i> , 2016 , 207, 310-321	5.4	20
74	An effective semi-cross-validation model selection method for extreme learning machine with ridge regression. <i>Neurocomputing</i> , 2015 , 151, 933-942	5.4	19
73	Adaptive output control of a class of uncertain chaotic systems. <i>Systems and Control Letters</i> , 2007 , 56, 452-460	2.4	19
72	Hybrid recursive least squares algorithm for online sequential identification using data chunks. <i>Neurocomputing</i> , 2016 , 174, 651-660	5.4	18
71	Automatic generation of fuzzy inference systems via unsupervised learning. <i>Neural Networks</i> , 2008 , 21, 1556-66	9.1	18
70	Real-time implementation of a dynamic fuzzy neural networks controller for a SCARA. <i>Microprocessors and Microsystems</i> , 2002 , 26, 449-461	2.4	18
69	A novel heuristic algorithm for node localization in anisotropic wireless sensor networks with holes. <i>Signal Processing</i> , 2017 , 138, 27-34	4.4	17
68	. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 1274-1278	8.9	17
67	Asynchronous positive filter design for switched positive systems with overlapped detection delay. <i>IET Control Theory and Applications</i> , 2017 , 11, 319-328	2.5	16
66	Classification of mammographic masses using generalized dynamic fuzzy neural networks. <i>Medical Physics</i> , 2004 , 31, 1288-95	4.4	16
65	Stability of linear systems with delayed perturbations: an LMI approach. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 108-112		16
64	A novel online multi-label classifier for high-speed streaming data applications. <i>Evolving Systems</i> , 2017 , 8, 303-315	2.1	15
63	Weighted-average $\hat{\sigma}$ filtering for switched positive systems. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 5097-5112	3.6	14
62	Decentralized fault-tolerant MRAC for a class of large-scale systems with time-varying delays and actuator faults. <i>Journal of Process Control</i> , 2019 , 75, 171-186	3.9	14
61	A Kernel Extreme Learning Machines Algorithm for Node Localization in Wireless Sensor Networks. <i>IEEE Communications Letters</i> , 2020 , 24, 1433-1436	3.8	14
60	Data and decision fusion for distributed spectrum sensing in cognitive radio networks 2007 ,		14
59	Bayesian ART-based fuzzy inference system: A new approach to prognosis of machining processes 2011 ,		13

58	Design and development of an intelligent controller for a pole-balancing robot. <i>Microprocessors and Microsystems</i> , 2002 , 26, 433-448	2.4	13
57	Fuzzy logic-based observation and evaluation of pedestrians' behavioral patterns by age and gender. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016 , 40, 104-118	4.5	12
56	A Novel Approach for Vehicle Detection Using an ANDOR-Graph-Based Multiscale Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2284-2289	6.1	11
55	Composite Learning Fuzzy Control of Uncertain Nonlinear Systems. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 990-998	3.6	11
54	Effect of Uneven Electrostatic Forces on the Dynamic Characteristics of Capacitive Hemispherical Resonator Gyroscopes. <i>Sensors</i> , 2019 , 19,	3.8	10
53	Extreme learning control of surface vehicles with unknown dynamics and disturbances. <i>Neurocomputing</i> , 2015 , 167, 535-542	5.4	10
52	Output Feedback Adaptive Neural Control Without Seeking SPR Condition. <i>Asian Journal of Control</i> , 2015 , 17, 1620-1630	1.7	10
51	Industry 4.0: A Special Section in IEEE Access. <i>IEEE Access</i> , 2017 , 5, 12257-12261	3.5	9
50	A novel efficient local illumination compensation method based on DCT in logarithm domain. <i>Pattern Recognition Letters</i> , 2012 , 33, 1725-1733	4.7	8
49	Global Finite Time Active Disturbance Rejection Control for Parallel Manipulators With Unknown Bounded Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	8
48	Global Adaptive Practical Output Tracking Control for a Class of Genuinely Nonlinear Uncertain Systems: Adding an Universal Power Integrator Approach. <i>IEEE Access</i> , 2016 , 4, 10136-10146	3.5	8
47	Constraint admissible state sets for switched systems with average dwell time. <i>Automatica</i> , 2017 , 82, 235-242	5.7	7
46	Modelling, control, and stability analysis of non-linear systems using generalized fuzzy neural networks. <i>International Journal of Systems Science</i> , 2003 , 34, 427-438	2.3	7
45	Real-time hybrid adaptive fuzzy control of a SCARA robot. <i>Microprocessors and Microsystems</i> , 2001 , 25, 369-378	2.4	7
44	Fuzzy Synchronization Control of Complex Dynamical Networks Under Network Attacks and Actuator Faults. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 2043-2053	3.6	6
43	Switched systems with average dwell time: Computation of the robust positive invariant set. <i>Automatica</i> , 2017 , 85, 306-313	5.7	6
42	Fuzzy Cellular Automata Models for Crowd Movement Dynamics at Signalized Pedestrian Crossings. <i>Transportation Research Record</i> , 2015 , 2490, 21-31	1.7	6
41	Multi-label classification method based on extreme learning machines 2014 ,		6

40	A novel approach toward source-to-sink distance estimation in wireless sensor networks. <i>IEEE Communications Letters</i> , 2010 , 14, 384-386	3.8	6
39	New non-negative sparse feature learning approach for content-based image retrieval. <i>IET Image Processing</i> , 2017 , 11, 724-733	1.7	5
38	Composite learning from model reference adaptive fuzzy control 2015 ,		5
37	A novel framework for automatic generation of fuzzy neural networks. <i>Neurocomputing</i> , 2008 , 71, 584-594	5.1	5
36	Feature extraction using wavelet packets strategy		5
35	Application of a system for the automatic generation of fuzzy neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2000 , 13, 293-302	7.2	5
34	A novel vehicle tracking and speed estimation with varying UAV altitude and video resolution. <i>International Journal of Remote Sensing</i> , 2021 , 42, 4441-4466	3.1	5
33	Dynamic collision avoidance scheme for unmanned surface vehicles under complex shallow sea Environments. <i>Ocean Engineering</i> , 2020 , 218, 108102	3.9	4
32	Multi-Document Extractive Summarization Using Window-Based Sentence Representation 2015 ,		4
31	. <i>IEEE Computational Intelligence Magazine</i> , 2011 , 6, 76-78	5.6	4
30	Tool wear prediction using evolutionary Dynamic Fuzzy Neural (EDFNN) Network 2011 ,		4
29	Design of proportional parallel distributed compensators for non-linear systems. <i>International Journal of Computer Applications in Technology</i> , 2006 , 27, 204	0.7	3
28	Face recognition using radial basis function (RBF) neural networks		3
27	A novel progressive multi-label classifier for class-incremental data 2016 ,		3
26	Evolving type-2 recurrent fuzzy neural network 2016 ,		2
25	Asymptotic stabilization via adaptive fuzzy control 2013 ,		2
24	Design for Self-Organizing Fuzzy Neural Network with Extended Kalman Filter 2010 ,		2
23	Receding Horizon Cache and Extreme Learning Machine based Reinforcement Learning 2012 ,		2

22	Automatic generation of Fuzzy Inference Systems using Incremental-Topological-Preserving-Map-based Fuzzy Q-Learning 2008 ,		2
21	A Novel Q-Learning Approach with Continuous States and Actions. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007 ,		2
20	Design and development of a low-cost digital display for water flow rate measurements. <i>Microprocessors and Microsystems</i> , 2001 , 25, 359-368	2.4	2
19	Comments on "A new robust control for a class of uncertain discrete-time systems". <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 509-511	5.9	2
18	Cooperative path planning with priority target assignment and collision avoidance guidance for rescue unmanned surface vehicles in a complex ocean environment. <i>Advanced Engineering Informatics</i> , 2022 , 52, 101517	7.4	2
17	Enabling Unmanned Aerial Vehicle Borne Secure Communication with Classification Framework for Industry 5.0. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
16	Bearing-based formation manoeuvre control of nonholonomic multi-agent systems. <i>International Journal of Systems Science</i> , 2019 , 50, 2993-3002	2.3	2
15	Adaptive Weber-face for robust illumination face recognition. <i>Computing (Vienna/New York)</i> , 2019 , 101, 605-619	2.2	1
14	Local Line Derivative Pattern for face recognition 2012 ,		1
13	A Hybrid Approach for Automatic Generation of Fuzzy Inference Systems without Supervised Learning. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	1
12	Self-Generation of Fuzzy Inference Systems by Enhanced Dynamic Self-Generated Fuzzy Q-Learning 2006 ,		1
11	A high performance neural-networks-based speech recognition system		1
10	Decentralized control of robot manipulators with couplings and uncertainties 2000 ,		1
9	Population structure-learned classifier for high-dimension low-sample-size class-imbalanced problem. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 111, 104828	7.2	1
8	Efficient stereo matching on embedded GPUs with zero-means cross correlation. <i>Journal of Systems Architecture</i> , 2022 , 123, 102366	5.5	0
7	An Integrated Strategy toward the Extraction of Contour and Region of Sonar Images. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 595	2.4	0
6	Blind Adaptive Structure-Preserving Imaging Enhancement for Low-light condition. <i>IEEE Signal Processing Letters</i> , 2022 , 1-1	3.2	0
5	An adaptive neural control scheme for articulatory synthesis of CV sequences. <i>Computer Speech and Language</i> , 2014 , 28, 163-176	2.8	

- 4 Fuzzy Modeling Method Based on Rectangular Pyramid Fuzzy System. *International Journal of Fuzzy Systems*, **2017**, 19, 1731-1738 3.6
- 3 Clock-turning gait synthesis for humanoid robots. *Journal of Control Theory and Applications*, **2007**, 5, 23-27
- 2 Approximate Output Regulation of Discrete-Time Stochastic Multiagent Systems Subject to Heterogeneous and Unknown Dynamics. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-10 7.3
- 1 Robotic 3-D Laser-Guided Approach for Efficient Cutting of Porcine Belly. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-10 5.5