

Chih-Min Lin

List of Publications by Year in descending order

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124
papers

2,587
citations

172457

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233421

45
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125
all docs

125
docs citations

125
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoder Choice Network for Metalearning. IEEE Transactions on Cybernetics, 2023, 53, 3440-3453.	9.5	25
2	Low-Cost Inertial Measurement Unit Calibration With Nonlinear Scale Factors. IEEE Transactions on Industrial Informatics, 2022, 18, 1028-1038.	11.3	15
3	A Developmental Evolutionary Learning Framework for Robotic Chinese Stroke Writing. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1155-1169.	3.8	1
4	Intelligent wavelet fuzzy brain emotional controller using dual function-link network for uncertain nonlinear control systems. Applied Intelligence, 2022, 52, 2720-2744.	5.3	5
5	Battery-Supercapacitor State-of-Health Estimation for Hybrid Energy Storage System Using a Fuzzy Brain Emotional Learning Neural Network. International Journal of Fuzzy Systems, 2022, 24, 12-26.	4.0	4
6	Self-Organizing Double Function-Link Fuzzy Brain Emotional Control System Design for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1852-1868.	9.3	13
7	A recurrent wavelet-based brain emotional learning network controller for nonlinear systems. Soft Computing, 2022, 26, 3013-3028.	3.6	8
8	Encryption and Decryption of Audio Signal and Image Secure Communications Using Chaotic System Synchronization Control by TSK Fuzzy Brain Emotional Learning Controllers. IEEE Transactions on Cybernetics, 2022, 52, 13684-13698.	9.5	26
9	4-D Memristive Chaotic Systems-Based Audio Secure Communication Using Dual-Function-Link Fuzzy Brain Emotional Controller. International Journal of Fuzzy Systems, 2022, 24, 2946-2968.	4.0	9
10	A Type 2 wavelet brain emotional learning network with double recurrent loops based controller for nonlinear systems. Knowledge-Based Systems, 2022, 251, 109274.	7.1	2
11	Visual-Guided Robotic Object Grasping Using Dual Neural Network Controllers. IEEE Transactions on Industrial Informatics, 2021, 17, 2282-2291.	11.3	16
12	A fuzzy control framework for interconnected nonlinear power networks under TDS attack: Estimation and compensation. Journal of the Franklin Institute, 2021, 358, 74-88.	3.4	17
13	tracking control for nonlinear multivariable systems using wavelet-type TSK fuzzy brain emotional learning with particle swarm optimization. Journal of the Franklin Institute, 2021, 358, 650-673.	3.4	8
14	Synchronization of Chaotic System Using a Brain-Imitated Neural Network Controller and Its Applications for Secure Communications. IEEE Access, 2021, 9, 75923-75944.	4.2	27
15	A New Self-Organizing Double Function-Link Brain Emotional Learning Controller for MIMO Nonlinear Systems Using Sliding Surface. IEEE Access, 2021, 9, 73826-73842.	4.2	12
16	State of health estimation and remaining useful life prediction for lithium-ion batteries using FBELNN and RCMNN. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10919-10933.	1.4	5
17	Interval type-2 fuzzy brain emotional control design for the synchronization of 4D nonlinear hyperchaotic systems. Soft Computing, 2021, 25, 14509-14535.	3.6	4
18	A TOPSIS multi-criteria decision method-based intelligent recurrent wavelet CMAC control system design for MIMO uncertain nonlinear systems. Neural Computing and Applications, 2020, 32, 4025-4043.	5.6	18

#	ARTICLE	IF	CITATIONS
19	Type-2 fuzzy cerebellar model articulation control system design for MIMO uncertain nonlinear systems. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 269-286.	3.6	6
20	Type-2 Fuzzy Hybrid Controller Network for Robotic Systems. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3778-3792.	9.5	42
21	Adaptive filter design for active noise cancellation using recurrent type-2 fuzzy brain emotional learning neural network. <i>Neural Computing and Applications</i> , 2020, 32, 8725-8734.	5.6	14
22	A New Self-Organizing Fuzzy Cerebellar Model Articulation Controller for Uncertain Nonlinear Systems Using Overlapped Gaussian Membership Functions. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9671-9682.	7.9	40
23	GANCCRobot: Generative adversarial nets based chinese calligraphy robot. <i>Information Sciences</i> , 2020, 516, 474-490.	6.9	12
24	A Mixed Gaussian Membership Function Fuzzy CMAC for a Three-Link Robot. , 2020, , .		5
25	Wavelet Interval Type-2 Fuzzy Quad-Function-Link Brain Emotional Control Algorithm for the Synchronization of 3D Nonlinear Chaotic Systems. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 2546-2564.	4.0	24
26	An Optimization Method for the Initial Parameters Selection of Fuzzy Cerebellar Model Neural Networks in Parametric Fault Diagnosis. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 2071-2082.	4.0	3
27	An LSTM Based Generative Adversarial Architecture for Robotic Calligraphy Learning System. <i>Sustainability</i> , 2020, 12, 9092.	3.2	5
28	A hybrid PSO-parallel fuzzy brain emotional learning classifier for medical diseases diagnosis. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 7953-7960.	1.4	0
29	Hybrid Neural Network Cerebellar Model Articulation Controller Design for Non-linear Dynamic Time-Varying Plants. <i>Frontiers in Neuroscience</i> , 2020, 14, 695.	2.8	5
30	Online Health Estimate of Hybrid Energy Storage System Based on Fuzzy Brain Emotional Learning Neural Networks. , 2020, , .		2
31	A Novel Self-Organizing Emotional CMAC Network for Robotic Control. , 2020, , .		5
32	Integration of an actor-critic model and generative adversarial networks for a Chinese calligraphy robot. <i>Neurocomputing</i> , 2020, 388, 12-23.	5.9	14
33	Chaotic Synchronization Using a Self-Evolving Recurrent Interval Type-2 Petri Cerebellar Model Articulation Controller. <i>Mathematics</i> , 2020, 8, 219.	2.2	14
34	Adaptive TOPSIS fuzzy CMAC back-stepping control system design for nonlinear systems. <i>Soft Computing</i> , 2019, 23, 6947-6966.	3.6	24
35	Wavelet-TSK-Type Fuzzy Cerebellar Model Neural Network for Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 549-558.	9.8	59
36	A Robotic Writing Frameworkâ€“Learning Human Aesthetic Preferences via Humanâ€“Machine Interactions. <i>IEEE Access</i> , 2019, 7, 144043-144053.	4.2	6

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37	Self-Organizing Adaptive Fuzzy Brain Emotional Learning Control for Nonlinear Systems. International Journal of Fuzzy Systems, 2019, 21, 1989-2007.	4.0	11
38	Interval Type-2 Petri CMAC Design for 4D Chaotic System. , 2019, , .		8
39	A recurrent emotional CMAC neural network controller for vision-based mobile robots. Neurocomputing, 2019, 334, 227-238.	5.9	33
40	A data-driven robotic Chinese calligraphy system using convolutional auto-encoder and differential evolution. Knowledge-Based Systems, 2019, 182, 104802.	7.1	19
41	Robust Adaptive Recurrent Cerebellar Model Neural Network for Non-linear System Based on GPSO. Frontiers in Neuroscience, 2019, 13, 390.	2.8	8
42	Dynamic TOPSIS fuzzy cerebellar model articulation controller for magnetic levitation system. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2465-2480.	1.4	7
43	An Improved Fuzzy Brain Emotional Learning Model Network Controller for Humanoid Robots. Frontiers in Neurorobotics, 2019, 13, 2.	2.8	23
44	Estimation and Compensation for Discrete-Time IT2 Fuzzy Systems Against Time Delay Switch Attacks. , 2019, , .		1
45	Robotic Chinese Calligraphy with Human Preference. , 2019, , .		3
46	Wavelet Dual Function-Link Fuzzy Brain Emotional Learning System Design for System Identification and Trajectory Tracking of Nonlinear Systems. , 2019, , .		10
47	Synchronization of Nonlinear Chaotic Systems Using Modified Function-Link Fuzzy Cerebellar Model Articulation Controller. , 2019, , .		3
48	Multidimensional classifier design using wavelet fuzzy brain emotional learning neural networks. Journal of Intelligent and Fuzzy Systems, 2019, 36, 1099-1107.	1.4	4
49	A modified function-link fuzzy cerebellar model articulation controller using a PI-type learning algorithm for nonlinear system synchronization and control. Chaos, Solitons and Fractals, 2019, 118, 65-82.	5.1	14
50	Use of Automatic Chinese Character Decomposition and Human Gestures for Chinese Calligraphy Robots. IEEE Transactions on Human-Machine Systems, 2019, 49, 47-58.	3.5	22
51	Parametric Fault Diagnosis Based on Fuzzy Cerebellar Model Neural Networks. IEEE Transactions on Industrial Electronics, 2019, 66, 8104-8115.	7.9	27
52	Self-Organizing Recurrent Wavelet Fuzzy Neural Network-Based Control System Design for MIMO Uncertain Nonlinear Systems Using TOPSIS Method. International Journal of Fuzzy Systems, 2019, 21, 468-487.	4.0	19
53	Robust Adaptive Tracking Control for Manipulators Based on a TSK Fuzzy Cerebellar Model Articulation Controller. IEEE Access, 2018, 6, 1670-1679.	4.2	28
54	Function-Link Fuzzy Cerebellar Model Articulation Controller Design for Nonlinear Chaotic Systems Using TOPSIS Multiple Attribute Decision-Making Method. International Journal of Fuzzy Systems, 2018, 20, 1839-1856.	4.0	21

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55	Enhanced Robotic Handâ€™s Eye Coordination Inspired From Human-Like Behavioral Patterns. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 384-396.	3.8	10
56	Decentralized Event-Triggered Control for Large-Scale Networked Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 29-45.	9.8	54
57	A Functional-link-based Fuzzy Brain Emotional Learning Network for Breast Tumor Classification and Chaotic System Synchronization. International Journal of Fuzzy Systems, 2018, 20, 349-365.	4.0	31
58	Fuzzy cerebellar model articulation controller network optimization via self-adaptive global best harmony search algorithm. Soft Computing, 2018, 22, 3141-3153.	3.6	18
59	Towards a Robotic Chinese Calligraphy Writing Framework. , 2018, , .		5
60	Generative Adversarial Nets in Robotic Chinese Calligraphy. , 2018, , .		23
61	Self-evolving type-2 fuzzy brain emotional learning control design for chaotic systems using PSO. Applied Soft Computing Journal, 2018, 73, 418-433.	7.2	63
62	Wavelet Fuzzy Brain Emotional Learning Control System Design for MIMO Uncertain Nonlinear Systems. Frontiers in Neuroscience, 2018, 12, 918.	2.8	22
63	Decentralized \mathscr{H}_{∞} Sampled-Data Control for Continuous-Time Large-Scale Networked Nonlinear Systems. International Journal of Fuzzy Systems, 2017, 19, 504-515.	4.0	7
64	Nonlinear Systems Identification and Control Using Uncertain Rule-based Fuzzy Neural Systems with Stable Learning Mechanism. International Journal of Fuzzy Systems, 2017, 19, 470-488.	4.0	3
65	An Interval-Valued Fuzzy Cerebellar Model Neural Network Based on Intuitionistic Fuzzy Sets. International Journal of Fuzzy Systems, 2017, 19, 881-894.	4.0	11
66	A robot calligraphy system: From simple to complex writing by human gestures. Engineering Applications of Artificial Intelligence, 2017, 59, 1-14.	8.1	44
67	Integration of fuzzy CMAC and BELC networks for uncertain nonlinear system control. , 2017, , .		5
68	A Developmental Learning Approach of Mobile Manipulator via Playing. Frontiers in Neurorobotics, 2017, 11, 53.	2.8	4
69	A General Fuzzy Cerebellar Model Neural Network Multidimensional Classifier Using Intuitionistic Fuzzy Sets for Medical Identification. Computational Intelligence and Neuroscience, 2016, 2016, 1-9.	1.7	9
70	A novel approach to a mobile robot via multiple human body postures. , 2016, , .		3
71	Bankruptcy Prediction Using Cerebellar Model Neural Networks. International Journal of Fuzzy Systems, 2016, 18, 160-167.	4.0	22
72	Integration of classifier diversity measures for feature selection-based classifier ensemble reduction. Soft Computing, 2016, 20, 2995-3005.	3.6	10

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73	Adaptive Filter Design Using Type-2 Fuzzy Cerebellar Model Articulation Controller. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2084-2094.	11.3	26
74	Blind source separation with adaptive learning rates for image encryption. Journal of Intelligent and Fuzzy Systems, 2015, 30, 451-460.	1.4	1
75	A new adaptive fuzzy neural force controller for robots manipulator interacting with environments. , 2015, , .		0
76	Fuzzy Brain Emotional Learning Control System Design for Nonlinear Systems. International Journal of Fuzzy Systems, 2015, 17, 117-128.	4.0	52
77	Self-Learning Fuzzy Sliding-Mode Control for a Water Bath Temperature Control System. International Journal of Fuzzy Systems, 2015, 17, 31-38.	4.0	17
78	Application of potential field method and optimal path planning to mobile robot control. , 2015, , .		9
79	Notice of Removal Type-2 fuzzy cerebellar model articulation control system design for MIMO uncertain nonlinear systems. , 2015, , .		2
80	Dynamic Petri Fuzzy Cerebellar Model Articulation Controller Design for a Magnetic Levitation System and a Two-Axis Linear Piezoelectric Ceramic Motor Drive System. IEEE Transactions on Control Systems Technology, 2015, 23, 693-699.	5.2	55
81	Image processing based obstacle avoidance control for mobile robot by recurrent fuzzy neural network. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2747-2754.	1.4	7
82	ANFIS-based integral terminal sliding mode control for disturbed chaotic system. Journal of Intelligent and Fuzzy Systems, 2014, 27, 443-450.	1.4	5
83	An Interval Type-2 Fuzzy System with a Species-Based Hybrid Algorithm for Nonlinear System Control Design. Mathematical Problems in Engineering, 2014, 2014, 1-19.	1.1	4
84	Emitter identification of electronic intelligence system using type-2 fuzzy classifier. Systems Science and Control Engineering, 2014, 2, 389-397.	3.1	8
85	Double inverted pendulum decoupling control by adaptive terminal sliding-mode recurrent fuzzy neural network. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1723-1729.	1.4	4
86	Intelligent control system design for UAV using a recurrent wavelet neural network. Neural Computing and Applications, 2014, 24, 487-496.	5.6	34
87	Adaptive Dynamic Sliding-Mode Fuzzy CMAC for Voice Coil Motor Using Asymmetric Gaussian Membership Function. IEEE Transactions on Industrial Electronics, 2014, 61, 5662-5671.	7.9	52
88	3-Dimensional sliding mode adaptive MIMO recurrent fuzzy neural network control for two-link manipulator system. Journal of Intelligent and Fuzzy Systems, 2014, 27, 1325-1334.	1.4	5
89	Intelligent Control Using the Wavelet Fuzzy CMAC Backstepping Control System for Two-Axis Linear Piezoelectric Ceramic Motor Drive Systems. IEEE Transactions on Fuzzy Systems, 2014, 22, 791-802.	9.8	43
90	Breast Nodules Computer-Aided Diagnostic System Design Using Fuzzy Cerebellar Model Neural Networks. IEEE Transactions on Fuzzy Systems, 2014, 22, 693-699.	9.8	50

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91	Robust Nonlinear H_{∞} State Feedback Control of Polynomial Discrete-Time Systems: An Integrator Approach. <i>Circuits, Systems, and Signal Processing</i> , 2014, 33, 331-346.	2.0	8
92	SoPC-Based Function-Link Cerebellar Model Articulation Control System Design for Magnetic Ball Levitation Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 4265-4273.	7.9	31
93	Robust adaptive backstepping control for a class of nonlinear systems using recurrent wavelet neural network. <i>Neurocomputing</i> , 2014, 142, 372-382.	5.9	24
94	An Efficient Interval Type-2 Fuzzy CMAC for Chaos Time-Series Prediction and Synchronization. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 329-341.	9.5	89
95	Synchronization of unified chaotic system via adaptive wavelet cerebellar model articulation controller. <i>Neural Computing and Applications</i> , 2013, 23, 965-973.	5.6	26
96	Robust H_{∞} State Feedback Control of Networked Control Systems with Congestion Control. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 2761-2781.	2.0	3
97	Intelligent Hybrid Control System Design for Antilock Braking Systems Using Self-Organizing Function-Link Fuzzy Cerebellar Model Articulation Controller. <i>IEEE Transactions on Fuzzy Systems</i> , 2013, 21, 1044-1055.	9.8	43
98	Supervisory adaptive dynamic RBF-based neural-fuzzy control system design for unknown nonlinear systems. <i>Applied Soft Computing Journal</i> , 2013, 13, 1620-1626.	7.2	71
99	Intelligent control for long-term ecological systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013, 24, 905-913.	1.4	4
100	Control of nonlinear systems using non-stationary embedded recurrent fuzzy neural networks. , 2012, , .		0
101	Buck-current-fed zero current switching converter for high voltage coupled cavity. <i>IEICE Electronics Express</i> , 2012, 9, 1362-1367.	0.8	3
102	TSK Fuzzy CMAC-Based Robust Adaptive Backstepping Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2012, 20, 1147-1154.	9.8	60
103	Supervisory recurrent fuzzy neural network control for vehicle collision avoidance system design. <i>Neural Computing and Applications</i> , 2012, 21, 2163-2169.	5.6	21
104	Radar target classification using intelligent cerebellar model articulation controller. , 2012, , .		0
105	ADAPTIVE CONTROL FOR MIMO UNCERTAIN NONLINEAR SYSTEMS USING RECURRENT WAVELET NEURAL NETWORK. <i>International Journal of Neural Systems</i> , 2012, 22, 37-50.	5.2	51
106	A Novel Adaptive Wavelet Fuzzy Cerebellar Model Articulation Control System Design for Voice Coil Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 2024-2033.	7.9	66
107	Neural-network-based robust adaptive control for a class of nonlinear systems. <i>Neural Computing and Applications</i> , 2011, 20, 557-563.	5.6	13
108	A robust self-learning PID control system design for nonlinear systems using a particle swarm optimization algorithm. <i>International Journal of Machine Learning and Cybernetics</i> , 2011, 2, 225-234.	3.6	27

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109	Global optimization using novel randomly adapting particle swarm optimization approach. , 2011, , .		3
110	Adaptive Filter Design Using Recurrent Cerebellar Model Articulation Controller. IEEE Transactions on Neural Networks, 2010, 21, 1149-1157.	4.2	33
111	RCMAC-based adaptive control design for brushless DC motors. Neural Computing and Applications, 2009, 18, 781-790.	5.6	5
112	CMAC-based adaptive backstepping synchronization of uncertain chaotic systems. Chaos, Solitons and Fractals, 2009, 42, 981-988.	5.1	36
113	Self-Organizing CMAC Control for a Class of MIMO Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks, 2009, 20, 1377-1384.	4.2	93
114	Robust Fault-Tolerant Control for a Biped Robot Using a Recurrent Cerebellar Model Articulation Controller. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 110-123.	5.0	46
115	RCMAC Hybrid Control for MIMO Uncertain Nonlinear Systems Using Sliding-Mode Technology. IEEE Transactions on Neural Networks, 2007, 18, 708-720.	4.2	73
116	Missile Guidance Law Design Using Adaptive Cerebellar Model Articulation Controller. IEEE Transactions on Neural Networks, 2005, 16, 636-644.	4.2	67
117	Adaptive Hybrid Control for Linear Piezoelectric Ceramic Motor Drive Using Diagonal Recurrent CMAC Network. IEEE Transactions on Neural Networks, 2004, 15, 1491-1506.	4.2	45
118	Adaptive CMAC-Based Supervisory Control for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1248-1260.	5.0	165
119	Design of Self-Organizing Fuzzy Logic Guidance Law. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 396-403.	0.4	0
120	GUIDANCE LAW EVALUATION FOR MISSILE GUIDANCE SYSTEMS. Asian Journal of Control, 2000, 2, 243-250.	3.0	5
121	ECOLOGICAL SYSTEMS CONTROL BY FUZZY LOGIC CONTROLLER. Asian Journal of Control, 2000, 2, 274-280.	3.0	1
122	Design and application of multivariable robust optimal systems. Optimal Control Applications and Methods, 1998, 19, 23-39.	2.1	1
123	On the Linear Quadratic Optimal Systems Design in the Frequency Domain. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 581-584.	1.6	0
124	Frequency-domain linear quadratic optimal system design with two-degree-of-freedom configuration. Optimal Control Applications and Methods, 1997, 18, 73-82.	2.1	0