

Chih-Min Lin

List of Publications by Year in descending order

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124
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125
all docs

125
docs citations

125
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive CMAC-Based Supervisory Control for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1248-1260.	5.0	165
2	Self-Organizing CMAC Control for a Class of MIMO Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks, 2009, 20, 1377-1384.	4.2	93
3	An Efficient Interval Type-2 Fuzzy CMAC for Chaos Time-Series Prediction and Synchronization. IEEE Transactions on Cybernetics, 2014, 44, 329-341.	9.5	89
4	RCMAC Hybrid Control for MIMO Uncertain Nonlinear Systems Using Sliding-Mode Technology. IEEE Transactions on Neural Networks, 2007, 18, 708-720.	4.2	73
5	Supervisory adaptive dynamic RBF-based neural-fuzzy control system design for unknown nonlinear systems. Applied Soft Computing Journal, 2013, 13, 1620-1626.	7.2	71
6	Missile Guidance Law Design Using Adaptive Cerebellar Model Articulation Controller. IEEE Transactions on Neural Networks, 2005, 16, 636-644.	4.2	67
7	A Novel Adaptive Wavelet Fuzzy Cerebellar Model Articulation Control System Design for Voice Coil Motors. IEEE Transactions on Industrial Electronics, 2012, 59, 2024-2033.	7.9	66
8	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
9	TSK Fuzzy CMAC-Based Robust Adaptive Backstepping Control for Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2012, 20, 1147-1154.	9.8	60
10	Wavelet-TSK-Type Fuzzy Cerebellar Model Neural Network for Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 549-558.	9.8	59
11	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
12	Decentralized Event-Triggered Control for Large-Scale Networked Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 29-45.	9.8	54
13	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
14	Fuzzy Brain Emotional Learning Control System Design for Nonlinear Systems. International Journal of Fuzzy Systems, 2015, 17, 117-128.	4.0	52
15	ADAPTIVE CONTROL FOR MIMO UNCERTAIN NONLINEAR SYSTEMS USING RECURRENT WAVELET NEURAL NETWORK. International Journal of Neural Systems, 2012, 22, 37-50.	5.2	51
16	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
17	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
18	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

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19	A robot calligraphy system: From simple to complex writing by human gestures. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 59, 1-14.	8.1	44
20	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
21	Intelligent Control Using the Wavelet Fuzzy CMAC Backstepping Control System for Two-Axis Linear Piezoelectric Ceramic Motor Drive Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2014, 22, 791-802.	9.8	43
22	Type-2 Fuzzy Hybrid Controller Network for Robotic Systems. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3778-3792.	9.5	42
23	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
24	CMAC-based adaptive backstepping synchronization of uncertain chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 981-988.	5.1	36
25	Intelligent control system design for UAV using a recurrent wavelet neural network. <i>Neural Computing and Applications</i> , 2014, 24, 487-496.	5.6	34
26	Adaptive Filter Design Using Recurrent Cerebellar Model Articulation Controller. <i>IEEE Transactions on Neural Networks</i> , 2010, 21, 1149-1157.	4.2	33
27	A recurrent emotional CMAC neural network controller for vision-based mobile robots. <i>Neurocomputing</i> , 2019, 334, 227-238.	5.9	33
28	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
29	A Functional-link-based Fuzzy Brain Emotional Learning Network for Breast Tumor Classification and Chaotic System Synchronization. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 349-365.	4.0	31
30	Robust Adaptive Tracking Control for Manipulators Based on a TSK Fuzzy Cerebellar Model Articulation Controller. <i>IEEE Access</i> , 2018, 6, 1670-1679.	4.2	28
31	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
32	Parametric Fault Diagnosis Based on Fuzzy Cerebellar Model Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 8104-8115.	7.9	27
33	Synchronization of Chaotic System Using a Brain-Imitated Neural Network Controller and Its Applications for Secure Communications. <i>IEEE Access</i> , 2021, 9, 75923-75944.	4.2	27
34	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
35	Adaptive Filter Design Using Type-2 Fuzzy Cerebellar Model Articulation Controller. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 2084-2094.	11.3	26
36	Encryption and Decryption of Audio Signal and Image Secure Communications Using Chaotic System Synchronization Control by TSK Fuzzy Brain Emotional Learning Controllers. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 13684-13698.	9.5	26

#	ARTICLE	IF	CITATIONS
37	Decoder Choice Network for Metalearning. IEEE Transactions on Cybernetics, 2023, 53, 3440-3453.	9.5	25
38	Robust adaptive backstepping control for a class of nonlinear systems using recurrent wavelet neural network. Neurocomputing, 2014, 142, 372-382.	5.9	24
39	Adaptive TOPSIS fuzzy CMAC back-stepping control system design for nonlinear systems. Soft Computing, 2019, 23, 6947-6966.	3.6	24
40	Wavelet Interval Type-2 Fuzzy Quad-Function-Link Brain Emotional Control Algorithm for the Synchronization of 3D Nonlinear Chaotic Systems. International Journal of Fuzzy Systems, 2020, 22, 2546-2564.	4.0	24
41	Generative Adversarial Nets in Robotic Chinese Calligraphy. , 2018, , .		23
42	An Improved Fuzzy Brain Emotional Learning Model Network Controller for Humanoid Robots. Frontiers in Neurobotics, 2019, 13, 2.	2.8	23
43	Bankruptcy Prediction Using Cerebellar Model Neural Networks. International Journal of Fuzzy Systems, 2016, 18, 160-167.	4.0	22
44	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
45	Wavelet Fuzzy Brain Emotional Learning Control System Design for MIMO Uncertain Nonlinear Systems. Frontiers in Neuroscience, 2018, 12, 918.	2.8	22
46	Supervisory recurrent fuzzy neural network control for vehicle collision avoidance system design. Neural Computing and Applications, 2012, 21, 2163-2169.	5.6	21
47	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
48	A data-driven robotic Chinese calligraphy system using convolutional auto-encoder and differential evolution. Knowledge-Based Systems, 2019, 182, 104802.	7.1	19
49	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
50	Fuzzy cerebellar model articulation controller network optimization via self-adaptive global best harmony search algorithm. Soft Computing, 2018, 22, 3141-3153.	3.6	18
51	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
52	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
53	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
54	Visual-Guided Robotic Object Grasping Using Dual Neural Network Controllers. IEEE Transactions on Industrial Informatics, 2021, 17, 2282-2291.	11.3	16

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55	Low-Cost Inertial Measurement Unit Calibration With Nonlinear Scale Factors. IEEE Transactions on Industrial Informatics, 2022, 18, 1028-1038.	11.3	15
56	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
57	Adaptive filter design for active noise cancellation using recurrent type-2 fuzzy brain emotional learning neural network. Neural Computing and Applications, 2020, 32, 8725-8734.	5.6	14
58	Integration of an actor-critic model and generative adversarial networks for a Chinese calligraphy robot. Neurocomputing, 2020, 388, 12-23.	5.9	14
59	Chaotic Synchronization Using a Self-Evolving Recurrent Interval Type-2 Petri Cerebellar Model Articulation Controller. Mathematics, 2020, 8, 219.	2.2	14
60	Neural-network-based robust adaptive control for a class of nonlinear systems. Neural Computing and Applications, 2011, 20, 557-563.	5.6	13
61	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
62	GANCCRobot: Generative adversarial nets based chinese calligraphy robot. Information Sciences, 2020, 516, 474-490.	6.9	12
63	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
64	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
65	Self-Organizing Adaptive Fuzzy Brain Emotional Learning Control for Nonlinear Systems. International Journal of Fuzzy Systems, 2019, 21, 1989-2007.	4.0	11
66	Integration of classifier diversity measures for feature selection-based classifier ensemble reduction. Soft Computing, 2016, 20, 2995-3005.	3.6	10
67	Enhanced Robotic Hand's Eye Coordination Inspired From Human-Like Behavioral Patterns. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 384-396.	3.8	10
68	Wavelet Dual Function-Link Fuzzy Brain Emotional Learning System Design for System Identification and Trajectory Tracking of Nonlinear Systems. , 2019, , .		10
69	Application of potential field method and optimal path planning to mobile robot control. , 2015, , .		9
70	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
71	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
72	Emitter identification of electronic intelligence system using type-2 fuzzy classifier. Systems Science and Control Engineering, 2014, 2, 389-397.	3.1	8

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73	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
74	Interval Type-2 Petri CMAC Design for 4D Chaotic System. , 2019, , .		8
75	Robust Adaptive Recurrent Cerebellar Model Neural Network for Non-linear System Based on GPSO. <i>Frontiers in Neuroscience</i> , 2019, 13, 390.	2.8	8
76	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.	3.4	8
77	A recurrent wavelet-based brain emotional learning network controller for nonlinear systems. <i>Soft Computing</i> , 2022, 26, 3013-3028.	3.6	8
78	Image processing based obstacle avoidance control for mobile robot by recurrent fuzzy neural network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 2747-2754.	1.4	7
79	Decentralized H_∞ H^∞ Sampled-Data Control for Continuous-Time Large-Scale Networked Nonlinear Systems. <i>International Journal of Fuzzy Systems</i> , 2017, 19, 504-515.	4.0	7
80	Dynamic TOPSIS fuzzy cerebellar model articulation controller for magnetic levitation system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 2465-2480.	1.4	7
81	A Robotic Writing Frameworkâ€“Learning Human Aesthetic Preferences via Humanâ€“Machine Interactions. <i>IEEE Access</i> , 2019, 7, 144043-144053.	4.2	6
82	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
83	GUIDANCE LAW EVALUATION FOR MISSILE GUIDANCE SYSTEMS. <i>Asian Journal of Control</i> , 2000, 2, 243-250.	3.0	5
84	RCMAC-based adaptive control design for brushless DC motors. <i>Neural Computing and Applications</i> , 2009, 18, 781-790.	5.6	5
85	ANFIS-based integral terminal sliding mode control for disturbed chaotic system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 27, 443-450.	1.4	5
86	3-Dimensional sliding mode adaptive MIMO recurrent fuzzy neural network control for two-link manipulator system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 27, 1325-1334.	1.4	5
87	Integration of fuzzy CMAC and BELC networks for uncertain nonlinear system control. , 2017, , .		5
88	Towards a Robotic Chinese Calligraphy Writing Framework. , 2018, , .		5
89	A Mixed Gaussian Membership Function Fuzzy CMAC for a Three-Link Robot. , 2020, , .		5
90	An LSTM Based Generative Adversarial Architecture for Robotic Calligraphy Learning System. <i>Sustainability</i> , 2020, 12, 9092.	3.2	5

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91	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
92	A Novel Self-Organizing Emotional CMAC Network for Robotic Control. , 2020, , .		5
93	Intelligent wavelet fuzzy brain emotional controller using dual function-link network for uncertain nonlinear control systems. <i>Applied Intelligence</i> , 2022, 52, 2720-2744.	5.3	5
94	State of health estimation and remaining useful life prediction for lithium-ion batteries using FBELNN and RCMNN. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 10919-10933.	1.4	5
95	Intelligent control for long-term ecological systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013, 24, 905-913.	1.4	4
96	An Interval Type-2 Fuzzy System with a Species-Based Hybrid Algorithm for Nonlinear System Control Design. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-19.	1.1	4
97	Double inverted pendulum decoupling control by adaptive terminal sliding-mode recurrent fuzzy neural network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 1723-1729.	1.4	4
98	A Developmental Learning Approach of Mobile Manipulator via Playing. <i>Frontiers in Neurorobotics</i> , 2017, 11, 53.	2.8	4
99	Multidimensional classifier design using wavelet fuzzy brain emotional learning neural networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 1099-1107.	1.4	4
100	Battery-Supercapacitor State-of-Health Estimation for Hybrid Energy Storage System Using a Fuzzy Brain Emotional Learning Neural Network. <i>International Journal of Fuzzy Systems</i> , 2022, 24, 12-26.	4.0	4
101	Interval type-2 fuzzy brain emotional control design for the synchronization of 4D nonlinear hyperchaotic systems. <i>Soft Computing</i> , 2021, 25, 14509-14535.	3.6	4
102	Global optimization using novel randomly adapting particle swarm optimization approach. , 2011, , .		3
103	Buck-current-fed zero current switching converter for high voltage coupled cavity. <i>IEICE Electronics Express</i> , 2012, 9, 1362-1367.	0.8	3
104	Robust \mathcal{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
105	A novel approach to a mobile robot via multiple human body postures. , 2016, , .		3
106	Nonlinear Systems Identification and Control Using Uncertain Rule-based Fuzzy Neural Systems with Stable Learning Mechanism. <i>International Journal of Fuzzy Systems</i> , 2017, 19, 470-488.	4.0	3
107	Robotic Chinese Calligraphy with Human Preference. , 2019, , .		3
108	Synchronization of Nonlinear Chaotic Systems Using Modified Function-Link Fuzzy Cerebellar Model Articulation Controller. , 2019, , .		3

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109	An Optimization Method for the Initial Parameters Selection of Fuzzy Cerebellar Model Neural Networks in Parametric Fault Diagnosis. International Journal of Fuzzy Systems, 2020, 22, 2071-2082.	4.0	3
110	Notice of Removal Type-2 fuzzy cerebellar model articulation control system design for MIMO uncertain nonlinear systems. , 2015, , .		2
111	Online Health Estimate of Hybrid Energy Storage System Based on Fuzzy Brain Emotional Learning Neural Networks. , 2020, , .		2
112	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
113	Design and application of multivariable robust optimal systems. Optimal Control Applications and Methods, 1998, 19, 23-39.	2.1	1
114	ECOLOGICAL SYSTEMS CONTROL BY FUZZY LOGIC CONTROLLER. Asian Journal of Control, 2000, 2, 274-280.	3.0	1
115	Blind source separation with adaptive learning rates for image encryption. Journal of Intelligent and Fuzzy Systems, 2015, 30, 451-460.	1.4	1
116	Estimation and Compensation for Discrete-Time IT2 Fuzzy Systems Against Time Delay Switch Attacks. , 2019, , .		1
117	A Developmental Evolutionary Learning Framework for Robotic Chinese Stroke Writing. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1155-1169.	3.8	1
118	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
119	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
120	Design of Self-Organizing Fuzzy Logic Guidance Law. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 396-403.	0.4	0
121	Control of nonlinear systems using non-stationary embedded recurrent fuzzy neural networks. , 2012, , .		0
122	Radar target classification using intelligent cerebellar model articulation controller. , 2012, , .		0
123	A new adaptive fuzzy neural force controller for robots manipulator interacting with environments. , 2015, , .		0
124	A hybrid PSO-parallel fuzzy brain emotional learning classifier for medical diseases diagnosis. Journal of Intelligent and Fuzzy Systems, 2020, 39, 7953-7960.	1.4	0