Chih-Hong Lin

List of Publications by Citations

66 papers	615 citations	12 h-index	22 g-index
93 ext. papers	771 ext. citations	2.5 avg, IF	5.07 L-index

#	Paper	IF	Citations
66	Self-constructing fuzzy neural network speed controller for permanent-magnet synchronous motor drive. *IEEE Transactions on Fuzzy Systems*, **2001**, 9, 751-759	8.3	159
65	Robust H/sub /spl infin// controller design with recurrent neural network for linear synchronous motor drive. *IEEE Transactions on Industrial Electronics*, **2003**, 50, 456-470	8.9	62
64	Hybrid recurrent wavelet neural network control of PMSM servo-drive system for electric scooter. *International Journal of Control, Automation and Systems*, **2014**, 12, 177-187	2.9	28
63	Recurrent modified Elman neural network control of PM synchronous generator system using wind turbine emulator of PM synchronous servo motor drive. *International Journal of Electrical Power and Energy Systems*, **2013**, 52, 143-160	5.1	26
62	. *IEEE Transactions on Aerospace and Electronic Systems*, **2001**, 37, 655-670	3.7	23
61	Novel Nonlinear Backstepping Control of Synchronous Reluctance Motor Drive System for Position Tracking of Periodic Reference Inputs with Torque Ripple Consideration. *International Journal of Control, Automation and Systems*, **2019**, 17, 1-17	2.9	21
60	Dynamic control for permanent magnet synchronous generator system using novel modified recurrent wavelet neural network. *Nonlinear Dynamics*, **2014**, 77, 1261-1284	5	16
59	Multiobjective Optimization Design for a Six-Phase Copper Rotor Induction Motor Mounted With a Scroll Compressor. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	15
58	Composite recurrent Laguerre orthogonal polynomials neural network dynamic control for continuously variable transmission system using altered particle swarm optimization. *Nonlinear Dynamics*, **2015**, 81, 1219-1245	5	14
57	The hybrid RFNN control for a PMSM drive electric scooter using rotor flux estimator. *International Journal of Electrical Power and Energy Systems*, **2013**, 51, 213-223	5.1	14
56	Multi-objective optimization design using amended particle swarm optimization and Taguchi method for a six-phase copper rotor induction motor. *Engineering Optimization*, **2017**, 49, 693-708	2	12
55	High Performances Design of a Six-Phase Synchronous Reluctance Motor Using Multi-Objective Optimization with Altered Bee Colony Optimization and Taguchi Method. *Energies*, **2018**, 11, 2716	3.1	12
54	Comparative dynamic control for continuously variable transmission with nonlinear uncertainty using blend amend recurrent Gegenbauer-functional-expansions neural network. *Nonlinear Dynamics*, **2017**, 87, 1467-1493	5	10
53	Novel Adaptive Recurrent Legendre Neural Network Control for PMSM Servo-Drive Electric Scooter. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2015**, 137,	1.6	10
52	Novel application of continuously variable transmission system using composite recurrent Laguerre orthogonal polynomials modified PSO NN control system. *ISA Transactions*, **2016**, 64, 405-417	5.5	10
51	A Backstepping Control of LSM Drive Systems Using Adaptive Modified Recurrent Laguerre OPNNUO. *Journal of Power Electronics*, **2016**, 16, 598-609	0.9	10
50	Dynamic control of V-belt continuously variable transmission-driven electric scooter using hybrid modified recurrent legendre neural network control system. *Nonlinear Dynamics*, **2015**, 79, 787-808	5	9

49	Modelling and control of six-phase induction motor servo-driven continuously variable transmission system using blend modified recurrent Gegenbauer orthogonal polynomial neural network control system and amended artificial bee colony optimization. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2016**, 29, 915-942	1	9
48	A Six-Phase CRIM Driving CVT using Blend Modified Recurrent Gegenbauer OPNN Control. *Journal of Power Electronics*, **2016**, 16, 1438-1454	0.9	8
47	Altered Grey Wolf Optimization and Taguchi Method with FEA for Six-Phase Copper Squirrel Cage Rotor Induction Motor Design. *Energies*, **2020**, 13, 2282	3.1	7
46	HYBRID MODIFIED ELMAN NN CONTROLLER DESIGN ON PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVEN ELECTRIC SCOOTER. *Transactions of the Canadian Society for Mechanical Engineering*, **2013**, 37, 1127-1145	1.1	7
45	Hybrid Recurrent Fuzzy Neural Network Control for Permanent Magnet Synchronous Motor Applied in Electric Scooter **2010**,		7
44	Blend modified recurrent Gegenbauer orthogonal polynomial neural network control for six-phase copper rotor induction motor servo-driven continuously variable transmission system using amended artificial bee colony optimization. *Transactions of the Institute of Measurement and Control*, **2017**, 39, 921-950	1.8	6
43	A novel hybrid recurrent wavelet neural network control of permanent magnet synchronous motor drive for electric scooter. *Turkish Journal of Electrical Engineering and Computer Sciences*, **2014**, 22, 1056-1075	0.8	6
42	Novel adaptive modified recurrent Legendre neural network control for a PMSM servo-driven electric scooter with V-belt continuously variable transmission system dynamics. *Transactions of the Institute of Measurement and Control*, **2015**, 37, 1181-1196	1.8	5
41	Adaptive recurrent Chebyshev neural network control for permanent magnet synchronous motor servo-drive electric scooter. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2014**, 228, 699-714	1	5
40	Precision Motion Control of a Linear Permanent Magnet Synchronous Machine Based on Linear Optical-Ruler Sensor and Hall Sensor. *Sensors*, **2018**, 18,	3.8	5
39	Adaptive recurrent Chebyshev neural network control for PM synchronous motor servo-drive electric scooter with V-belt continuously variable transmission. *International Journal of Adaptive Control and Signal Processing*, **2015**, 29, 805-834	2.8	4
38	Application of V-Belt Continuously Variable Transmission System Using Hybrid Recurrent Laguerre Orthogonal Polynomials Neural Network Control System and Modified Particle Swarm Optimization. *Journal of Computational and Nonlinear Dynamics*, **2015**, 10,	1.4	4
37	Fuzzy neural network control for a permanent magnet synchronous motor drive system **2009**,		4
36	Adaptive backstepping FNN control for a permanent magnet synchronous motor drive **2009**,		4
35	Backstepping control and revamped recurrent fuzzy neural network with mended ant colony optimization applied in SCRIM drive system. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 3447-3459	1.6	4
34	An intelligent dynamic control of continuously variable transmission system using modified particle swarm optimization. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2016**, 230, 2181-2207	1.3	3
33	Adaptive nonlinear backstepping control using mended recurrent Romanovski polynomials neural network and mended particle swarm optimization for switched reluctance motor drive system. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 4114-4128	1.8	3
32	The Hybrid RFNN Control for a PMSM Drive Electric Scooter Using Rotor Flux Estimator. *Advances in Fuzzy Systems*, **2012**, 2012, 1-11	1.7	3

31	Novel Modified Elman Neural Network Control for PMSG System Based on Wind Turbine Emulator. *Mathematical Problems in Engineering*, **2013**, 2013, 1-15	1.1	3
30	Adaptive backstepping control for a PMSM drive using RFNN uncertainty observer **2011**,		3
29	PMSM Servo Drive for V-Belt Continuously Variable Transmission System Using Hybrid Recurrent Chebyshev NN Control System. *Journal of Electrical Engineering and Technology*, **2015**, 10, 408-421	1.4	3
28	Permanent-Magnet Synchronous Motor Drive System Using Backstepping Control with Three Adaptive Rules and Revised Recurring Sieved Pollaczek Polynomials Neural Network with Reformed Grey Wolf Optimization and Recouped Controller. *Energies*, **2020**, 13, 5870	3.1	3
27	Wind Turbine Driving a PM Synchronous Generator Using Novel Recurrent Chebyshev Neural Network Control with the Ideal Learning Rate. *Energies*, **2016**, 9, 441	3.1	3
26	Application of a V-belt continuously variable transmission system by using a composite recurrent Laguerre orthogonal polynomial neural network control system and modified particle swarm optimization. *JVC/Journal of Vibration and Control*, **2017**, 23, 1437-1462	2	2
25	A SCRIM Drive System Using Backstepping Control and Revamped Recurrent Romanovski PNN with Mended ACO. *IETE Journal of Research*, **2019**, 1-14	0.9	2
24	Linear permanent magnet synchronous motor drive system using AAENNB Control system with error compensation controller and CPSO. *Electrical Engineering*, **2020**, 102, 1311-1325	1.5	2
23	Smart backstepping control using revised recurrent fuzzy neural network and revised ant colony optimization for linear permanent magnet synchronous motor drive system. *Transactions of the Institute of Measurement and Control*, **2020**, 42, 1388-1405	1.8	2
22	Comparative Dynamic Control of SynRM Servodrive Continuously Variable Transmission System Using Blend Amend Recurrent Gegenbauer-Functional-Expansions Neural Network Control and Altered Artificial Bee Colony Optimization. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2017**, 139	1.6	1
21	Permanent magnet synchronous motor controlled V-belt continuously variable transmission driven electric scooter using hybrid modified recurrent Legendre NN control system. *International Journal of Applied Electromagnetics and Mechanics*, **2015**, 47, 211-235	0.4	1
20	Nonlinear control design of LSM drive system using adaptive modified recurrent Laguerre orthogonal polynomial NN backstepping control **2015**,		1
19	A Rectified Reiterative Sieved-Pollaczek Polynomials Neural Network Backstepping Control with Improved Fish School Search for Motor Drive System. *Mathematics*, **2020**, 8, 1699	2.3	1
18	Mended grey wolf optimization and Taguchi method with multi-goal optimization for six-phase copper rotor induction motor design. *Engineering Optimization*, **2020**, 1-20	2	1
17	Integral backstepping control with RRFNN and MPSO of LPMSM drive system. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2020**, 234, 834-848	1	1
16	Modified Elman neural network control for PMSM direct-driven PMSG/Battery renewable energy system **2013**,		1
15	Dynamic Response of Novel Adaptive Modified Recurrent Legendre Neural Network Control for PMSM Servo-Drive Electric Scooter. *Automatika*, **2015**, 56, 164-185	1.6	1
14	Hybrid Recurrent Laguerre-Orthogonal-Polynomial NN Control System Applied in V-Belt Continuously Variable Transmission System Using Particle Swarm Optimization. *Mathematical Problems in Engineering*, **2015**, 2015, 1-17	1.1	1

13	Integral Backstepping Control for a PMSM Drive Using Adaptive RNN Uncertainty Observer **2012**,		1
12	Hybrid recurrent fuzzy neural network control for permanent magnet synchronous motor applied in electric scooter **2010**,		1
11	An Adaptive FNN Control for Torque-Ripple Reduction of SR Motor Drive **2007**,		1
10	Torque-ripple reduction in switched reluctance motor drive using SHRFNN control		1
9	Adaptive Backstepping Control for Synchronous Reluctance Motor Drive Using RNN Uncertainty Observer **2007**,		1
8	A PMSM Driven Electric Scooter System with a V-Belt Continuously Variable Transmission Using a Novel Hybrid Modified Recurrent Legendre Neural Network Control. *Journal of Power Electronics*, **2014**, 14, 1008-1027	0.9	1
7	Electromagnetic torque control for synchronous reluctance motor servo-drive system applied in continuously variable transmission system. *International Journal of Applied Electromagnetics and Mechanics*, **2020**, 62, 355-382	0.4	1
6	Admixed recurrent Gegenbauer polynomials neural network with mended particle swarm optimization control system for synchronous reluctance motor driving continuously variable transmission system. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2020**, 234, 183-198	1	1
5	Blend recurrent Gegenbauer orthogonal polynomials neural network control of a SynRM servo-drive CVT system using amended artificial bee colony optimization **2016**,		1
4	Switched reluctance motor circuit drive system using adaptive nonlinear backstepping control with mended recurrent Romanovski polynomials neural network and mended particle swarm optimization. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2019**, 32, e2629	1	0
3	Sage Revised Reiterative Even Zernike Polynomials Neural Network Control with Modified Fish School Search Applied in SSCCRIM Impelled System. *Mathematics*, **2020**, 8, 1760	2.3	
2	Clever backstepping control using two adaptive laws, a RRFNN and a compensated controller of SPCRIM drive system. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 5077-5093	1.6	
1	Expression of Concern to: Composite recurrent Laguerre orthogonal polynomials neural network dynamic control for continuously variable transmission system using altered particle swarm optimization. *Nonlinear Dynamics*, **2021**, 104, 883-883	5	