Wei Hong Lim

List of Publications by Year
in descending order

73 papers	**1,791** citations	257450 **24** h-index	302126 **39** g-index
78 all docs	**78** docs citations	**78** times ranked	**1346** citing authors

#	Article	IF	Citations
1	Modified Particle Swarm Optimization with Unique Self-cognitive Learning for Global Optimization Problems. Lecture Notes in Electrical Engineering, 2022, , 263-274.	0.4	6
2	Differential evolution: A recent review based on state-of-the-art works. AEJ - Alexandria Engineering Journal, 2022, 61, 3831-3872.	6.4	138
3	Investigation of Kinetic Energy Harvesting from Human Body Motion Activities Using Free/Impact Electromagnetic Generator. Advances in Intelligent Systems and Computing, 2022, , 209-221.	0.6	0
4	Optimal Training of Feedforward Neural Networks Using Teaching-Learning-Based Optimization with Modified Learning Phases. Lecture Notes in Electrical Engineering, 2022, , 867-887.	0.4	10
5	Hybrid Deep Learning Model for Fault Detection and Classification of Grid-Connected Photovoltaic System. IEEE Access, 2022, 10, 13852-13869.	4.2	25
6	Production Wastage Avoidance Using Modified Multi-Objective Teaching Learning Based Optimization Embedded With Refined Learning Scheme. IEEE Access, 2022, 10, 19186-19214.	4.2	9
7	New Hybridization Algorithm of Differential Evolution and Particle Swarm Optimization for Efficient Feature Selection. Proceedings of International Conference on Artificial Life and Robotics, 2022, 27, 148-152.	0.1	7
8	Tomato Leaf Health Monitoring System with SSD and MobileNet. Lecture Notes in Electrical Engineering, 2022, , 795-804.	0.4	7
9	New Particle Swarm Optimization Variant with Modified Neighborhood Structure. Proceedings of International Conference on Artificial Life and Robotics, 2022, 27, 169-173.	0.1	0
10	Computer-Vision-Based Integrated Circuit Recognition Using Deep Learning. Lecture Notes in Electrical Engineering, 2022, , 913-925.	0.4	11
11	A Healthcare Laundry Management System using RFID System. Proceedings of International Conference on Artificial Life and Robotics, 2022, 27, 875-880.	0.1	2
12	Particle Swarm Optimization with Multi-Chaotic Scheme for Global Optimization. Lecture Notes in Electrical Engineering, 2022, , 145-156.	0.4	1
13	Differential evolution with modified initialization scheme using chaotic oppositional based learning strategy. AEJ - Alexandria Engineering Journal, 2022, 61, 11835-11858.	6.4	20
14	Gorilla Troops Optimizer Combined with ANFIS for Wire Cut EDM of Aluminum Alloy. Advances in Materials Science and Engineering, 2022, 2022, 1-14.	1.8	6
15	Hovering Swarm Particle Swarm Optimization. IEEE Access, 2021, 9, 115719-115749.	4.2	5
16	A Novel Deep Learning Framework Based RNN-SAE for Fault Detection of Electrical Gas Generator. IEEE Access, 2021, 9, 21433-21442.	4.2	32
17	Implications on the influence of mica on the mechanical properties of cast hybrid (Al+10%B4C+Mica) metal matrix composite. Journal of Materials Research and Technology, 2021, 10, 99-109.	5.8	38
18	Machine Learning Based Automatic Modulation Recognition for Wireless Communications: A Comprehensive Survey. IEEE Access, 2021, 9, 57851-57873.	4.2	52

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19	Hybridized Metaheuristic Search Algorithm with Modified Initialization Scheme for Global Optimization. Advances in Intelligent Systems and Computing, 2021, , 172-182.	0.6	8
20	Robust Automatic Modulation Recognition Through Joint Contribution of Hand-Crafted and Contextual Features. IEEE Access, 2021, 9, 104530-104546.	4.2	18
21	Advances in Robotics, Automation and Data Analytics. Advances in Intelligent Systems and Computing, 2021, , .	0.6	1
22	Physicochemical analysis and adulteration detection in Malaysia stingless bee honey using a handheld nearâ€‘infrared spectrometer. Journal of Food Processing and Preservation, 2021, 45, e15576.	2.0	11
23	Development of a Laboratory-Scale Pipeline Crack Inspection Robot. , 2021, , .		0
24	Effects of bone-plate materials on the healing process of fractured tibia bone under time-varying conditions: a finite element analysis. Materials Research Express, 2021, 8, 095308.	1.6	7
25	Investigation of Gait and Biomechanical Motion for Developing Energy Harvesting System. Lecture Notes in Networks and Systems, 2021, , 151-167.	0.7	1
26	Modified Particle Swarm Optimization for Robust Anti-swing Gantry Crane Controller Tuning. Lecture Notes in Electrical Engineering, 2021, , 1173-1192.	0.4	11
27	Joystick Controlled Passive Compliance Stewart-Gough Platform. , 2021, , .		0
28	6 Maximum power point tracking control under partial shading conditions using particle swarm optimization algorithm. , 2021, , 185-214.		1
29	Modified Particle Swarm Optimization with Chaotic Initialization Scheme for Unconstrained Optimization Problems. Environmental Contaminants Reviews, 2021, 3, 35-43.	0.2	0
30	A constrained multi-swarm particle swarm optimization without velocity for constrained optimization problems. Expert Systems With Applications, 2020, 140, 112882.	7.6	94
31	Non-dominated sorting modified teachingâ€"learning-based optimization for multi-objective machining of polytetrafluoroethylene (PTFE). Journal of Intelligent Manufacturing, 2020, 31, 911-935.	7.3	44
32	Sustainable friction stir spot welding of 6061-T6 aluminium alloy using improved non-dominated sorting teaching learning algorithm. Journal of Materials Research and Technology, 2020, 9, 11650-11674.	5.8	41
33	Analysis of a Modified Single Phase Multilevel Cascaded Inverter Circuit. , 2020, , .		2
34	Modified Particle Swarm Optimization With Effective Guides. IEEE Access, 2020, 8, 188699-188725.	4.2	29
35	Hybrid 3D-ResNet Deep Learning Model for Automatic Segmentation of Thoracic Organs at Risk in CT Images. , 2020, , .		8
36	A Teaching-Learning-Based Optimization with Modified Learning Phases for Continuous Optimization. Advances in Intelligent Systems and Computing, 2020, , 103-124.	0.6	6

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37	A Constrained Teaching-learning-based Optimization with Modified Learning Phases for Constrained Optimization. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 1442-1456.	0.2	4
38	Robust Hâˇž controller design for flexible link manipulator based on constrained metaheuristics optimization algorithms. Proceedings of International Conference on Artificial Life and Robotics, 2020, 25, 338-342.	0.1	0
39	Table Tennis Using Arduino For Seniors' Healthcare. Proceedings of International Conference on Artificial Life and Robotics, 2020, 25, 376-380.	0.1	1
40	Development of an Artificial Intelligent Approach in Adapting the Characteristic of Polynomial Trajectory Planning for Robot Manipulator. International Journal of Mechanical Engineering and Robotics Research, 2020, , 408-414.	1.0	12
41	Development of a footstep power generator in converting kinetic energy to electricity. E3S Web of Conferences, 2019, 80, 02001.	0.5	10
42	Compact Trapezoidal-Shaped Monopole-Like Slot UWB Antenna for WBAN Applications. , 2019, , .		0
43	Development of non-destructive mango assessment using Handheld Spectroscopy and Machine Learning Regression. Journal of Physics: Conference Series, 2019, 1367, 012030.	0.4	13
44	Design Topology Optimization and Kinematics of a Multi-Modal Quadcopter and Quadruped. , 2019, , .		4
45	Evaluating weld properties of conventional and swept friction stir spot welded 6061-T6 aluminium alloy. Materials Express, 2019, 9, 851-860.	0.5	19
46	Optimal Purchase Strategy for Demand Bidding. IEEE Transactions on Power Systems, 2018, 33, 2754-2762.	6.5	28
47	A Soft Curtailment of Wide-Area Central Air Conditioning Load. Energies, 2018, 11, 492.	3.1	5
48	Demand Bidding Optimization for an Aggregator with a Genetic Algorithm. Energies, 2018, 11, 2498.	3.1	19
49	A Self-Adaptive Topologically Connected-Based Particle Swarm Optimization. IEEE Access, 2018, 6, 65347-65366.	4.2	25
50	Enhanced Multi-Objective Teaching-Learning-Based Optimization for Machining of Delrin. IEEE Access, 2018, 6, 51528-51546.	4.2	39
51	Design and Development of a Robot Gripper for Food Industries using Coanda Effect. , 2018, , .		6
52	A Real-Time Charging Scheme for Demand Response in Electric Vehicle Parking Station. IEEE Transactions on Smart Grid, 2017, 8, 52-62.	9.0	220
53	Saturation avoidance color correction for digital color images. Multimedia Tools and Applications, 2017, 76, 10279-10312.	3.9	3
54	Energy management optimization scheme for smart home considering different types of appliances. , 2017, , .		26

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55	Optimal Charging and Discharging Scheduling for Electric Vehicles in a Parking Station with Photovoltaic System and Energy Storage System. Energies, 2017, 10, 550.	3.1	72
56	Self-Learning Fuzzy Controller-Based Energy Management for Smart Home. , 2016, , .		1
57	Real-Time Energy Management Optimization for Smart Household. , 2016, , .		20
58	Direct load control of central air conditioning systems using fuzzy optimization. , 2016, , .		12
59	A fuzzy logic based charging scheme for electric vechicle parking station. , 2016, , .		15
60	Internet of Things for Electric Vehicle: An Improved Decentralized Charging Scheme. , 2015, , .		27
61	A new quantitative evaluation metric for color correction algorithm. , 2015, , .		1
62	Home Energy Management System Based on Photovoltaic System. , 2015, , .		22
63	Adaptive division of labor particle swarm optimization. Expert Systems With Applications, 2015, 42, 5887-5903.	7.6	25
64	Particle swarm optimization with dual-level task allocation. Engineering Applications of Artificial Intelligence, 2015, 38, 88-110.	8.1	32
65	Teaching and peer-learning particle swarm optimization. Applied Soft Computing Journal, 2014, 18, 39-58.	7.2	79
66	An adaptive two-layer particle swarm optimization with elitist learning strategy. Information Sciences, 2014, 273, 49-72.	6.9	72
67	Particle swarm optimization with increasing topology connectivity. Engineering Applications of Artificial Intelligence, 2014, 27, 80-102.	8.1	81
68	Particle swarm optimization with adaptive time-varying topology connectivity. Applied Soft Computing Journal, 2014, 24, 623-642.	7.2	39
69	Bidirectional teaching and peer-learning particle swarm optimization. Information Sciences, 2014, 280, 111-134.	6.9	35
70	Novel initialization scheme for Fuzzy C-Means algorithm on color image segmentation. Applied Soft Computing Journal, 2013, 13, 1832-1852.	7.2	45
71	Color image segmentation using adaptive unsupervised clustering approach. Applied Soft Computing Journal, 2013, 13, 2017-2036.	7.2	43
72	Two-layer particle swarm optimization with intelligent division of labor. Engineering Applications of Artificial Intelligence, 2013, 26, 2327-2348.	8.1	39

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73	A novel adaptive color to grayscale conversion algorithm for digital images. Scientific Research and Essays, 2012, 7, .	0.4	4