

# Han-Ning Chen

## List of Publications by Year in descending order

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54  
papers

1,036  
citations

394421

19  
h-index

434195

31  
g-index

54  
all docs

54  
docs citations

54  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-colony bacteria foraging optimization with cell-to-cell communication for RFID network planning. <i>Applied Soft Computing Journal</i> , 2010, 10, 539-547.	7.2	112
2	Cooperative artificial bee colony algorithm for multi-objective RFID network planning. <i>Journal of Network and Computer Applications</i> , 2014, 42, 143-162.	9.1	99
3	RFID network planning using a multi-swarm optimizer. <i>Journal of Network and Computer Applications</i> , 2011, 34, 888-901.	9.1	91
4	Two-Level Master-Slave RFID Networks Planning via Hybrid Multiobjective Artificial Bee Colony Optimizer. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 861-880.	9.3	71
5	Adaptive Bacterial Foraging Optimization. <i>Abstract and Applied Analysis</i> , 2011, 2011, 1-27.	0.7	70
6	Unmanned vehicle path planning using a novel ant colony algorithm. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019, 2019, .	2.4	48
7	LSTM with Wavelet Transform Based Data Preprocessing for Stock Price Prediction. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-8.	1.1	45
8	Optimization based on symbiotic multi-species coevolution. <i>Applied Mathematics and Computation</i> , 2008, 205, 47-60.	2.2	40
9	Cooperative Bacterial Foraging Optimization. <i>Discrete Dynamics in Nature and Society</i> , 2009, 2009, 1-17.	0.9	40
10	Multi-hive bee foraging algorithm for multi-objective optimal power flow considering the cost, loss, and emission. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 60, 203-220.	5.5	38
11	Microstructure and wear resistance of CoCrNbNiW high-entropy alloy coating prepared by laser melting deposition. <i>Rare Metals</i> , 2019, 38, 1153-1159.	7.1	34
12	Hierarchical Swarm Model: A New Approach to Optimization. <i>Discrete Dynamics in Nature and Society</i> , 2010, 2010, 1-30.	0.9	29
13	Discrete and continuous optimization based on multi-swarm coevolution. <i>Natural Computing</i> , 2010, 9, 659-682.	3.0	26
14	Root growth model: a novel approach to numerical function optimization and simulation of plant root system. <i>Soft Computing</i> , 2014, 18, 521-537.	3.6	26
15	Dynamic population artificial bee colony algorithm for multi-objective optimal power flow. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 703-710.	3.8	26
16	Bacterial colony foraging optimization. <i>Neurocomputing</i> , 2014, 137, 268-284.	5.9	24
17	Laser-Induced Graphene/MoO <sub>2</sub> Core-Shell Electrodes on Carbon Cloth for Integrated, High-Voltage, and In-Planar Microsupercapacitors. <i>Advanced Materials Technologies</i> , 2021, 6, 2000991.	5.8	24
18	An Adaptive Bacterial Foraging Optimization Algorithm with Lifecycle and Social Learning. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-20.	0.9	23

#	ARTICLE	IF	CITATIONS
19	Artificial Bee Colony Optimizer Based on Bee Life-Cycle for Stationary and Dynamic Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-20.	9.3	21
20	An online state of health estimation method based on battery management system monitoring data. International Journal of Energy Research, 2020, 44, 6338-6349.	4.5	13
21	Discrete and Continuous Optimization Based on Hierarchical Artificial Bee Colony Optimizer. Journal of Applied Mathematics, 2014, 2014, 1-20.	0.9	11
22	A Novel Maximin-Based Multi-Objective Evolutionary Algorithm Using One-by-One Update Scheme for Multi-Robot Scheduling Optimization. IEEE Access, 2021, 9, 121316-121328.	4.2	10
23	Numerical simulation and experimental investigation on powder transport of a new-type annular coaxial nozzle. International Journal of Advanced Manufacturing Technology, 2021, 115, 2353-2364.	3.0	10
24	Analysis of DoD inkjet printhead performance for printable electronics fabrication using dynamic lumped element modeling and swarm intelligence based optimal prediction. Journal of Central South University, 2015, 22, 3925-3934.	3.0	9
25	SOC estimation based on data driven extended Kalman filter algorithm for power battery of electric vehicle and plug-in electric vehicle. Journal of Central South University, 2019, 26, 1402-1415.	3.0	9
26	Heat treatment of titanium manufactured by selective laser melting: Microstructure and tensile properties. Journal of Materials Research and Technology, 2022, 18, 245-254.	5.8	9
27	Optimal layout and deployment for RFID system using a novel hybrid artificial bee colony optimizer based on bee life-cycle model. Soft Computing, 2017, 21, 4055-4083.	3.6	8
28	GRU: optimization of NPI performance. Journal of Supercomputing, 2020, 76, 3542-3554.	3.6	8
29	A modified surrogate-assisted multi-swarm artificial bee colony for complex numerical optimization problems. Microprocessors and Microsystems, 2020, 76, 103050.	2.8	8
30	A novel comprehensive learning artificial bee colony optimizer for dynamic optimization biological problems. Saudi Journal of Biological Sciences, 2017, 24, 695-702.	3.8	7
31	Biomimicry of symbiotic multi-species coevolution for discrete and continuous optimization in RFID networks. Saudi Journal of Biological Sciences, 2017, 24, 610-621.	3.8	5
32	Research on Parameter Self-Learning Unscented Kalman Filtering Algorithm and Its Application in Battery Charge of State Estimation. Energies, 2020, 13, 1679.	3.1	5
33	Droplet property optimization in printable electronics fabrication using root system growth algorithm. Computers and Industrial Engineering, 2018, 125, 592-603.	6.3	4
34	Lifecycle coevolution framework for many evolutionary and swarm intelligence algorithms fusion in solving complex optimization problems. Swarm and Evolutionary Computation, 2019, 47, 3-20.	8.1	4
35	Drop-on-Demand Inkjet Printhead Performance Enhancement by Dynamic Lumped Element Modeling for Printable Electronics Fabrication. Mathematical Problems in Engineering, 2014, 2014, 1-16.	1.1	3
36	Artificial Bee Colony Algorithm Based on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Means Clustering for Multiobjective Optimal Power Flow Problem. Mathematical Problems in Engineering, 2015, 2015, 1-18.	1.1	3

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37	Multi-Swarm Multi-Objective Optimizer Based on p-Optimality Criteria for Multi-Objective Portfolio Management. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-22.	1.1	3
38	Enhanced Selective Production of Carbonyl Products for Aerobic Oxidation of Benzylic Alcohols over Mesoporous Fe <sub>2</sub> O <sub>3</sub> Supported Gold Nanoparticles. <i>Catalysts</i> , 2019, 9, 754.	3.5	3
39	Artificial Plant Root System Growth for Distributed Optimization: Models and Emergent Behaviors. <i>Open Life Sciences</i> , 2016, 11, 447-457.	1.4	2
40	Root system growth biomimicry for global optimization models and emergent behaviors. <i>Soft Computing</i> , 2017, 21, 7485-7502.	3.6	2
41	A Carbon Composite Film with Three-Dimensional Reticular Structure for Electromagnetic Interference Shielding and Electro-Photo-Thermal Conversion. <i>Materials</i> , 2021, 14, 2423.	2.9	2
42	A Cooperative Coevolutionary Artificial Bee Colony Algorithm for Multi-Objective Optimization. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 6258-6266.	0.4	2
43	A Novel Cooperation Multi-Objective Optimization Approach: Multi-Swarm Multi-Objective Evolutionary Algorithm Based on Decomposition (MSMOEA/D). <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	2
44	Multi-species particle swarms optimization based on orthogonal learning and its application for optimal design of a butterfly-shaped patch antenna. <i>Journal of Central South University</i> , 2016, 23, 2048-2062.	3.0	1
45	Multispecies Coevolution Particle Swarm Optimization Based on Previous Search History. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-22.	0.9	1
46	A Modified MOEAD with an Adaptive Weight Adjustment Strategy. , 2019, , .		1
47	Constraint Consensus Based Artificial Bee Colony Algorithm for Constrained Optimization Problems. <i>Discrete Dynamics in Nature and Society</i> , 2019, 2019, 1-24.	0.9	1
48	Decomposition Based MOEA with Unique Subregions and Stable Matching. , 2021, , .		1
49	Microstructure and Biomechanical Properties in Selective Laser Melting of Porous Metal Implants. <i>3D Printing and Additive Manufacturing</i> , 0, , .	2.9	1
50	An Inhomogeneous Grid-Based Evolutionary Algorithm for Many-Objective Optimization. <i>IEEE Access</i> , 2022, 10, 60459-60473.	4.2	1
51	Root system growth for global optimization. , 2015, , .		0
52	A restructured artificial bee colony optimizer combining life-cycle, local search and crossover operations for droplet property prediction in printable electronics fabrication. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 109-134.	7.3	0
53	<i>p</i>-Optimality-Based Multiobjective Root System Growth Algorithms for Multiobjective Applications. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-25.	1.1	0
54	A Multi-population Whale Optimization Algorithm Based on Orthogonal Learning. , 2021, , .		0