Guohua Wu

List of Publications by Year
in descending order

78 papers	3,418 citations	182225 30 h-index	162838 57 g-index
78 all docs	78 docs citations	78 times ranked	2546 citing authors

#	Article	IF	Citations
1	Reinforcement Learning Based Truck-and-Drone Coordinated Delivery. IEEE Transactions on Artificial Intelligence, 2023, 4, 754-763.	3.4	24
2	A Novel Scattered Storage Policy Considering Commodity Classification and Correlation in Robotic Mobile Fulfillment Systems. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1020-1033.	3.4	8
3	A Generic Markov Decision Process Model and Reinforcement Learning Method for Scheduling Agile Earth Observation Satellites. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1463-1474.	5.9	40
4	Cooperative and Distributed Multiobjective Optimization for Heterogeneous Belief Rule Base. IEEE Systems Journal, 2022, 16, 777-788.	2.9	2
5	Flexible Task Scheduling in Data Relay Satellite Networks. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1055-1068.	2.6	15
6	Granular Fuzzy Rule-Based Modeling With Incomplete Data Representation. IEEE Transactions on Cybernetics, 2022, 52, 6420-6433.	6.2	16
7	A Voting-Mechanism-Based Ensemble Framework for Constraint Handling Techniques. IEEE Transactions on Evolutionary Computation, 2022, 26, 646-660.	7.5	25
8	An Autonomous Path Planning Method for Unmanned Aerial Vehicle Based on a Tangent Intersection and Target Guidance Strategy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3061-3073.	4.7	32
9	Integrating Variable Reduction Strategy With Evolutionary Algorithms for Solving Nonlinear Equations Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 75-89.	8.5	9
10	Ensemble Many-Objective Optimization Algorithm Based on Voting Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1716-1730.	5.9	44
11	Hybrid Multi-Objective Optimization Approach With Pareto Local Search for Collaborative Truck-Drone Routing Problems Considering Flexible Time Windows. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13011-13025.	4.7	17
12	Bottom-Up Mechanism and Improved Contract Net Protocol for Dynamic Task Planning of Heterogeneous Earth Observation Resources. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6183-6196.	5.9	5
13	Hybridization of Variable Neighborhood Search and Simulated Annealing for the Collaborative Truck-Drone Routing Problem. Lecture Notes in Electrical Engineering, 2022, , 1505-1515.	0.3	1
14	An Observation Scheduling Approach Based on Task Clustering for High-Altitude Airship. Sensors, 2022, 22, 2050.	2.1	0
15	Orbital Maneuver Optimization of Earth Observation Satellites Using an Adaptive Differential Evolution Algorithm. Remote Sensing, 2022, 14, 1966.	1.8	8
16	Cooperatively Routing a Truck and Multiple Drones for Target Surveillance. Sensors, 2022, 22, 2909.	2.1	3
17	A Coordinated Vehicleâ€“Drone Arc Routing Approach Based on Improved Adaptive Large Neighborhood Search. Sensors, 2022, 22, 3702.	2.1	4
18	Collaborative Truck-Drone Routing for Contactless Parcel Delivery During the Epidemic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25077-25091.	4.7	24

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19	A Dynamic Task Scheduling Method for Multiple UAVs Based on Contract Net Protocol. Sensors, 2022, 22, 4486.	2.1	4
20	An Overview and Experimental Study of Learning-Based Optimization Algorithms for the Vehicle Routing Problem. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1115-1138.	8.5	32
21	Heterogeneous multi-drone routing problem for parcel delivery. Transportation Research Part C: Emerging Technologies, 2022, 141, 103763.	3.9	12
22	Two-Echelon Routing Problem for Parcel Delivery by Cooperated Truck and Drone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7450-7465.	5.9	59
23	A Two-Phase Coordinated Planning Approach for Heterogeneous Earth-Observation Resources to Monitor Area Targets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6388-6403.	5.9	18
24	Agile Earth Observation Satellite Scheduling Over 20 Years: Formulations, Methods, and Future Directions. IEEE Systems Journal, 2021, 15, 3881-3892.	2.9	70
25	Preference-inspired coevolutionary algorithm with active diversity strategy for multi-objective multi-modal optimization. Information Sciences, 2021, 546, 1148-1165.	4.0	29
26	Parallel multipopulation optimization for belief rule base learning. Information Sciences, 2021, 556, 436-458.	4.0	14
27	Adversarial Examples for CNN-Based SAR Image Classification: An Experience Study. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1333-1347.	2.3	43
28	Evolutionary many-Objective algorithm based on fractional dominance relation and improved objective space decomposition strategy. Swarm and Evolutionary Computation, 2021, 60, 100776.	4.5	56
29	Recognizing Influential Nodes in Social Networks With Controllability and Observability. IEEE Internet of Things Journal, 2021, 8, 6197-6204.	5.5	3
30	Robust scheduling for multiple agile Earth observation satellites under cloud coverage uncertainty. Computers and Industrial Engineering, 2021, 156, 107292.	3.4	15
31	A data transmission scheduling method considering broken-point continuingly-transferring in VANETs. Wireless Networks, 2021, 27, 4461-4477.	2.0	2
32	An Iterative Two-Phase Optimization Method Based on Divide and Conquer Framework for Integrated Scheduling of Multiple UAVs. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5926-5938.	4.7	30
33	A Benchmark-Suite of real-World constrained multi-objective optimization problems and some baseline results. Swarm and Evolutionary Computation, 2021, 67, 100961.	4.5	86
34	Task Scheduling Method for Data Relay Satellite Network Considering Breakpoint Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 844-857.	3.9	23
35	An enhanced neighborhood search algorithm for solving the split delivery vehicle routing problem with two-dimensional loading constraints. Computers and Industrial Engineering, 2021, 162, 107720.	3.4	11
36	Big Data Processing Workflows Oriented Real-Time Scheduling Algorithm using Task-Duplication in Geo-Distributed Clouds. IEEE Transactions on Big Data, 2020, 6, 131-144.	4.4	38

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37	Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3367-3380.	6.2	103
38	A Novel Simulated Annealing Based Strategy for Balanced UAV Task Assignment and Path Planning. Sensors, 2020, 20, 4769.	2.1	33
39	Voting-mechanism based ensemble constraint handling technique for real-world single-objective constrained optimization. , 2020, , .		6
40	Expectation and SAA Models and Algorithms for Scheduling of Multiple Earth Observation Satellites Under the Impact of Clouds. IEEE Systems Journal, 2020, 14, 5451-5462.	2.9	15
41	Configuring differential evolution adaptively via path search in a directed acyclic graph for data clustering. Swarm and Evolutionary Computation, 2020, 55, 100690.	4.5	11
42	A test-suite of non-convex constrained optimization problems from the real-world and some baseline results. Swarm and Evolutionary Computation, 2020, 56, 100693.	4.5	223
43	Global genetic learning particle swarm optimization with diversity enhancement by ring topology. Swarm and Evolutionary Computation, 2019, 44, 571-583.	4.5	83
44	Parameter estimation of solar cells using datasheet information with the application of an adaptive differential evolution algorithm. Renewable Energy, 2019, 132, 425-438.	4.3	132
45	Thematic issue on â€œadvanced intelligent scheduling algorithms for smart manufacturing systemsâ€• Memetic Computing, 2019, 11, 333-334.	2.7	3
46	Pressure point driven evolutionary algorithm for many-objective optimization. Swarm and Evolutionary Computation, 2019, 51, 100599.	4.5	6
47	Optimization of Base Location and Patrol Routes for Unmanned Aerial Vehicles in Border Intelligence, Surveillance, and Reconnaissance. Journal of Advanced Transportation, 2019, 2019, 1-13.	0.9	34
48	An Adaptive Resource Allocation Strategy for Objective Space Partition-Based Multiobjective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-16.	5.9	49
49	Procedural Learning With Robust Visual Features via Low Rank Prior. IEEE Access, 2019, 7, 18884-18893.	2.6	0
50	Scheduling multiple agile earth observation satellites with an edge computing framework and a constructive heuristic algorithm. Journal of Systems Architecture, 2019, 95, 55-66.	2.5	28
51	Adaptive comprehensive learning particle swarm optimization with cooperative archive. Applied Soft Computing Journal, 2019, 77, 533-546.	4.1	43
52	Ensemble strategies for population-based optimization algorithms â€“ A survey. Swarm and Evolutionary Computation, 2019, 44, 695-711.	4.5	189
53	Multi-clustering via evolutionary multi-objective optimization. Information Sciences, 2018, 450, 128-140.	4.0	60
54	Ensemble of differential evolution variants. Information Sciences, 2018, 423, 172-186.	4.0	302

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55	A Self-Adapted Across Neighborhood Search Algorithm With Variable Reduction Strategy for Solving Non-Convex Static and Dynamic Economic Dispatch Problems. IEEE Access, 2018, 6, 41314-41324.	2.6	10
56	An Optimal and Distributed Demand Response Strategy for Energy Internet Management. Energies, 2018, 11, 215.	1.6	13
57	Joint Optimal Policy for Subsidy on Electric Vehicles and Infrastructure Construction in Highway Network. Energies, 2018, 11, 2479.	1.6	5
58	Cost-efficient reactive scheduling for real-time workflows in clouds. Journal of Supercomputing, 2018, 74, 6291-6309.	2.4	8
59	PEA: Parallel Evolutionary Algorithm by Separating Convergence and Diversity for Large-Scale Multi-Objective Optimization. , 2018, , .		18
60	An across neighborhood search algorithm with a solution difference perturbation mechanism for solving economic dispatch problems. , 2018, , .		0
61	Data reconstruction with information granules: An augmented method of fuzzy clustering. Applied Soft Computing Journal, 2017, 55, 523-532.	4.1	20
62	On the effect of reference point in MOEA/D for multi-objective optimization. Applied Soft Computing Journal, 2017, 58, 25-34.	4.1	70
63	All-dimension neighborhood based particle swarm optimization with randomly selected neighbors. Information Sciences, 2017, 405, 141-156.	4.0	37
64	Satellite observation scheduling with a novel adaptive simulated annealing algorithm and a dynamic task clustering strategy. Computers and Industrial Engineering, 2017, 113, 576-588.	3.4	52
65	Using variable reduction strategy to accelerate evolutionary optimization. Applied Soft Computing Journal, 2017, 61, 283-293.	4.1	28
66	An efficient multi-objective model and algorithm for sizing a stand-alone hybrid renewable energy system. Energy, 2017, 141, 2288-2299.	4.5	70
67	A dynamic scheduling method in satellite application information chain. , 2017, , .		1
68	Coordinated Planning of Heterogeneous Earth Observation Resources. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 109-125.	5.9	73
69	Differential evolution with multi-population based ensemble of mutation strategies. Information Sciences, 2016, 329, 329-345.	4.0	435
70	Across neighborhood search for numerical optimization. Information Sciences, 2016, 329, 597-618.	4.0	90
71	A variable reduction strategy for evolutionary algorithms handling equality constraints. Applied Soft Computing Journal, 2015, 37, 774-786.	4.1	94
72	A Particle Swarm Optimization Variant with an Inner Variable Learning Strategy. Scientific World Journal, The, 2014, 2014, 1-15.	0.8	5

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73	Gap Phenomenon of an Abstract Willmore Type Functional of Hypersurface in Unit Sphere. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	0
74	Superior solution guided particle swarm optimization combined with local search techniques. Expert Systems With Applications, 2014, 41, 7536-7548.	4.4	77
75	A new granular particle swarm optimization variant for Granular optimization problems. , 2013, , .		1
76	A two-phase scheduling method with the consideration of task clustering for earth observing satellites. Computers and Operations Research, 2013, 40, 1884-1894.	2.4	111
77	Complexity Reduction in the Use of Evolutionary Algorithms to Function Optimization: A Variable Reduction Strategy. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	3
78	Multi-satellite observation integrated scheduling method oriented to emergency tasks and common tasks. Journal of Systems Engineering and Electronics, 2012, 23, 723-733.	1.1	55