

# Kuo-Ching Ying

## List of Publications by Year in descending order

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102  
papers

3,950  
citations

117453

34  
h-index

128067

60  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle swarm optimization for parameter determination and feature selection of support vector machines. <i>Expert Systems With Applications</i> , 2008, 35, 1817-1824.	4.4	755
2	An intelligent algorithm with feature selection and decision rules applied to anomaly intrusion detection. <i>Applied Soft Computing Journal</i> , 2012, 12, 3285-3290.	4.1	179
3	Minimising makespan in distributed permutation flowshops using a modified iterated greedy algorithm. <i>International Journal of Production Research</i> , 2013, 51, 5029-5038.	4.9	162
4	An ant colony system for permutation flow-shop sequencing. <i>Computers and Operations Research</i> , 2004, 31, 791-801.	2.4	161
5	Applying hybrid meta-heuristics for capacitated vehicle routing problem. <i>Expert Systems With Applications</i> , 2009, 36, 1505-1512.	4.4	105
6	Minimizing makespan for the distributed hybrid flowshop scheduling problem with multiprocessor tasks. <i>Expert Systems With Applications</i> , 2018, 92, 132-141.	4.4	100
7	Multiprocessor task scheduling in multistage hybrid flow-shops: an ant colony system approach. <i>International Journal of Production Research</i> , 2006, 44, 3161-3177.	4.9	95
8	Iterated reference greedy algorithm for solving distributed no-idle permutation flowshop scheduling problems. <i>Computers and Industrial Engineering</i> , 2017, 110, 413-423.	3.4	85
9	Minimizing makespan for solving the distributed no-wait flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , 2016, 99, 202-209.	3.4	81
10	Dynamic parallel machine scheduling with sequence-dependent setup times using an iterated greedy heuristic. <i>Expert Systems With Applications</i> , 2010, 37, 2848-2852.	4.4	76
11	Sequencing single-machine tardiness problems with sequence dependent setup times using an iterated greedy heuristic. <i>Expert Systems With Applications</i> , 2009, 36, 7087-7092.	4.4	72
12	Optimization of makespan for no-wait flowshop scheduling problems using efficient matheuristics. <i>Omega</i> , 2016, 64, 115-125.	3.6	69
13	Robust scheduling on a single machine to minimize total flow time. <i>Computers and Operations Research</i> , 2012, 39, 1682-1691.	2.4	67
14	Real-time relief distribution in the aftermath of disasters – A rolling horizon approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016, 93, 1-20.	3.7	66
15	Minimizing makespan in a blocking flowshop using a revised artificial immune system algorithm. <i>Omega</i> , 2013, 41, 383-389.	3.6	65
16	Solving non-permutation flowshop scheduling problems by an effective iterated greedy heuristic. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 348-354.	1.5	64
17	An enhanced ant colony optimization (EACO) applied to a capacitated vehicle routing problem. <i>Applied Intelligence</i> , 2010, 32, 88-95.	3.3	62
18	ABC-based manufacturing scheduling for unrelated parallel machines with machine-dependent and job sequence-dependent setup times. <i>Computers and Operations Research</i> , 2014, 51, 172-181.	2.4	58

#	ARTICLE	IF	CITATIONS
19	Makespan minimization for scheduling unrelated parallel machines with setup times. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 1795-1803.	4.4	57
20	Solving single-machine total weighted tardiness problems with sequence-dependent setup times by meta-heuristics. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 1183-1190.	1.5	54
21	Using simulated annealing to schedule a flowshop manufacturing cell with sequence-dependent family setup times. <i>International Journal of Production Research</i> , 2009, 47, 3205-3217.	4.9	53
22	Minimizing makespan and total flowtime in permutation flowshops by a bi-objective multi-start simulated-annealing algorithm. <i>Computers and Operations Research</i> , 2013, 40, 1625-1647.	2.4	53
23	Minimization of total tardiness on unrelated parallel machines with sequence- and machine-dependent setup times under due date constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 353-361.	1.5	49
24	A multi-point simulated annealing heuristic for solving multiple objective unrelated parallel machine scheduling problems. <i>International Journal of Production Research</i> , 2015, 53, 1065-1076.	4.9	48
25	Minimizing Makespan in Distributed Blocking Flowshops Using Hybrid Iterated Greedy Algorithms. <i>IEEE Access</i> , 2017, 5, 15694-15705.	2.6	48
26	Metaheuristics for scheduling a non-permutation flowline manufacturing cell with sequence dependent family setup times. <i>Computers and Operations Research</i> , 2009, 36, 1110-1121.	2.4	47
27	Bi-objective reentrant hybrid flowshop scheduling: an iterated Pareto greedy algorithm. <i>International Journal of Production Research</i> , 2014, 52, 5735-5747.	4.9	47
28	Minimising total cost for training and assigning multiskilled workers in <i>seru</i> production systems. <i>International Journal of Production Research</i> , 2017, 55, 2978-2989.	4.9	45
29	Multi-heuristic desirability ant colony system heuristic for non-permutation flowshop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 33, 793-802.	1.5	44
30	Robust single machine scheduling for minimizing total flow time in the presence of uncertain processing times. <i>Computers and Industrial Engineering</i> , 2014, 74, 102-110.	3.4	43
31	Minimization of maximum lateness on parallel machines with sequence-dependent setup times and job release dates. <i>Computers and Operations Research</i> , 2011, 38, 809-815.	2.4	41
32	Permutation and non-permutation schedules for the flowline manufacturing cell with sequence dependent family setups. <i>International Journal of Production Research</i> , 2010, 48, 2169-2184.	4.9	40
33	Minimising makespan in distributed mixed no-idle flowshops. <i>International Journal of Production Research</i> , 2019, 57, 48-60.	4.9	37
34	Applying multi-start simulated annealing to schedule a flowline manufacturing cell with sequence dependent family setup times. <i>International Journal of Production Economics</i> , 2011, 130, 246-254.	5.1	36
35	A sequential exchange approach for minimizing earlinessâ€“tardiness penalties of single-machine scheduling with a common due date. <i>European Journal of Operational Research</i> , 2007, 177, 1294-1301.	3.5	34
36	Multiprocessor task scheduling in multistage hybrid flowshops: A hybrid artificial bee colony algorithm with bi-directional planning. <i>Computers and Operations Research</i> , 2013, 40, 1186-1195.	2.4	34

#	ARTICLE	IF	CITATIONS
37	Metaheuristics for scheduling a no-wait flowshop manufacturing cell with sequence-dependent family setups. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 671-682.	1.5	33
38	Exact algorithms for single-machine scheduling problems with a variable maintenance. <i>Computers and Industrial Engineering</i> , 2016, 98, 427-433.	3.4	30
39	Order acceptance and scheduling to maximize total net revenue in permutation flowshops with weighted tardiness. <i>Applied Soft Computing Journal</i> , 2015, 30, 462-474.	4.1	29
40	Multi-temperature simulated annealing for optimizing mixed-blocking permutation flowshop scheduling problems. <i>Expert Systems With Applications</i> , 2021, 165, 113837.	4.4	29
41	An ant colony system approach for scheduling problems. <i>Production Planning and Control</i> , 2003, 14, 68-75.	5.8	28
42	Minimizing shifts for personnel task scheduling problems: A three-phase algorithm. <i>European Journal of Operational Research</i> , 2014, 237, 323-334.	3.5	27
43	Multi-objective unrelated parallel machine scheduling: a Tabu-enhanced iterated Pareto greedy algorithm. <i>International Journal of Production Research</i> , 2016, 54, 1110-1121.	4.9	27
44	Cyber-physical assembly system-based optimization for robotic assembly sequence planning. <i>Journal of Manufacturing Systems</i> , 2021, 58, 452-466.	7.6	27
45	Minimizing worst-case regret of makespan on a single machine with uncertain processing and setup times. <i>Applied Soft Computing Journal</i> , 2014, 23, 144-151.	4.1	24
46	Minimizing makespan in mixed no-wait flowshops with sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , 2019, 130, 338-347.	3.4	24
47	Supply chain-oriented permutation flowshop scheduling considering flexible assembly and setup times. <i>International Journal of Production Research</i> , 2023, 61, 258-281.	4.9	22
48	Scheduling multistage hybrid flowshops with multiprocessor tasks by an effective heuristic. <i>International Journal of Production Research</i> , 2009, 47, 3525-3538.	4.9	21
49	Hybrid-directional planning: improving improvement heuristics for scheduling resource-constrained projects. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 41, 358-366.	1.5	20
50	Scheduling identical wafer sorting parallel machines with sequence-dependent setup times using an iterated greedy heuristic. <i>International Journal of Production Research</i> , 2012, 50, 2710-2719.	4.9	20
51	New benchmark algorithm for hybrid flowshop scheduling with identical machines. <i>Expert Systems With Applications</i> , 2021, 183, 115422.	4.4	20
52	Makespan optimization in a no-wait flowline manufacturing cell with sequence-dependent family setup times. <i>Computers and Industrial Engineering</i> , 2019, 128, 1-7.	3.4	19
53	Minimizing makespan in a flow-line manufacturing cell with sequence dependent family setup times. <i>Expert Systems With Applications</i> , 2011, 38, 15517-15522.	4.4	18
54	Scheduling jobs on dynamic parallel machines with sequence-dependent setup times. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 773-781.	1.5	17

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55	Using the Integration of Discrete Event and Agent-Based Simulation to Enhance Outpatient Service Quality in an Orthopedic Department. <i>Journal of Healthcare Engineering</i> , 2016, 2016, 1-8.	1.1	16
56	Minimising total weighted earliness and tardiness penalties on identical parallel machines using a fast ruin-and-recreate algorithm. <i>International Journal of Production Research</i> , 2016, 54, 6879-6890.	4.9	16
57	Unsupervised Learning-based Artificial Bee Colony for minimizing non-value-adding operations. <i>Applied Soft Computing Journal</i> , 2021, 105, 107280.	4.1	16
58	Part-machine cell formation in group technology using a simulated annealing-based meta-heuristic. <i>International Journal of Production Research</i> , 2010, 48, 3579-3591.	4.9	15
59	Scheduling the two-machine flowshop to hedge against processing time uncertainty. <i>Journal of the Operational Research Society</i> , 2015, 66, 1413-1425.	2.1	15
60	Learning-Based Metaheuristic for Scheduling Unrelated Parallel Machines With Uncertain Setup Times. <i>IEEE Access</i> , 2020, 8, 74065-74082.	2.6	15
61	A high-performing constructive heuristic for minimizing makespan in permutation flowshops. <i>Journal of Industrial and Production Engineering</i> , 2013, 30, 355-362.	2.1	14
62	Minimizing makespan for no-wait flowshop scheduling problems with setup times. <i>Computers and Industrial Engineering</i> , 2018, 121, 73-81.	3.4	14
63	Improved Exact Methods for Solving No-Wait Flowshop Scheduling Problems With Due Date Constraints. <i>IEEE Access</i> , 2018, 6, 30702-30713.	2.6	14
64	Minimizing the Sum of Makespan and Total Weighted Tardiness in a No-Wait Flowshop. <i>IEEE Access</i> , 2018, 6, 78666-78677.	2.6	13
65	Solving no-wait job-shop scheduling problems using a multi-start simulated annealing with bi-directional shift timetabling algorithm. <i>Computers and Industrial Engineering</i> , 2020, 146, 106615.	3.4	13
66	Adjusted Iterated Greedy for the optimization of additive manufacturing scheduling problems. <i>Expert Systems With Applications</i> , 2022, 198, 116908.	4.4	13
67	Effective dynamic dispatching rule and constructive heuristic for solving single-machine scheduling problems with a common due window. <i>International Journal of Production Research</i> , 2017, 55, 1707-1719.	4.9	12
68	Optimization algorithms for proportionate flowshop scheduling problems with variable maintenance activities. <i>Computers and Industrial Engineering</i> , 2018, 117, 164-170.	3.4	12
69	Meta-heuristic algorithms for wafer sorting scheduling problems. <i>Journal of the Operational Research Society</i> , 2011, 62, 165-174.	2.1	11
70	Sn-Cu-Ni Soldering Process Optimization Using Multivariate Analysis. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2012, 2, 527-535.	1.4	10
71	Deep learning-based optimization for motion planning of dual-arm assembly robots. <i>Computers and Industrial Engineering</i> , 2021, 160, 107603.	3.4	10
72	New benchmark algorithms for No-wait Flowshop Group Scheduling Problem with Sequence-Dependent Setup Times. <i>Applied Soft Computing Journal</i> , 2021, 111, 107705.	4.1	10

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73	Minimizing the Total Service Time of Discrete Dynamic Berth Allocation Problem by an Iterated Greedy Heuristic. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	9
74	Self-adaptive ruin-and-recreate algorithm for minimizing total flow time in no-wait flowshops. Computers and Industrial Engineering, 2016, 101, 167-176.	3.4	9
75	Improved Beam Search for Optimizing No-Wait Flowshops With Release Times. IEEE Access, 2020, 8, 148100-148124.	2.6	9
76	Raising the hit rate for wafer fabrication by a simple constructive heuristic. Expert Systems With Applications, 2009, 36, 2894-2900.	4.4	8
77	Uniform Parallel-Machine Scheduling for Minimizing Total Resource Consumption With a Bounded Makespan. IEEE Access, 2017, 5, 15791-15799.	2.6	8
78	Scheduling Jobs of Two Competing Agents on a Single Machine. IEEE Access, 2019, 7, 98702-98714.	2.6	8
79	New Benchmark Algorithm for Minimizing Total Completion Time in blocking flowshops with sequence-dependent setup times. Applied Soft Computing Journal, 2021, 104, 107229.	4.1	8
80	Minimizing total completion time in the no-wait jobshop scheduling problem using a backtracking metaheuristic. Computers and Industrial Engineering, 2022, 169, 108238.	3.4	8
81	Applying strain gauges to measuring thermal warpage of printed circuit boards. Measurement: Journal of the International Measurement Confederation, 2017, 110, 239-248.	2.5	7
82	Greedy-Based Non-Dominated Sorting Genetic Algorithm III for Optimizing Single-Machine Scheduling Problem With Interfering Jobs. IEEE Access, 2020, 8, 142543-142556.	2.6	7
83	Supply chain-oriented two-stage assembly flowshops with sequence-dependent setup times. Journal of Manufacturing Systems, 2021, 61, 139-154.	7.6	7
84	Meta-Lamarckian-based iterated greedy for optimizing distributed two-stage assembly flowshops with mixed setups. Annals of Operations Research, 2023, 322, 125-146.	2.6	7
85	Minimizing Total Completion Time in Mixed-Blocking Permutation Flowshops. IEEE Access, 2020, 8, 142065-142075.	2.6	6
86	Artificial Intelligence in the Construction Industry: Main Development Trajectories and Future Outlook. Applied Sciences (Switzerland), 2022, 12, 5832.	1.3	6
87	No-Idle Flowshop Scheduling for Energy-Efficient Production: An Improved Optimization Framework. Mathematics, 2021, 9, 1335.	1.1	5
88	Applying PSO-based BPN for predicting the yield rate of DRAM modules produced using defective ICs. International Journal of Advanced Manufacturing Technology, 2010, 49, 987-999.	1.5	4
89	Decreasing the System Testing Makespan in a Computer Manufacturing Company. IEEE Access, 2018, 6, 16464-16473.	2.6	4
90	Comparative Analysis of Mixed Integer Programming Formulations for Single-Machine and Parallel-Machine Scheduling Problems. IEEE Access, 2019, 7, 152998-153011.	2.6	4

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91	Maximizing cohesion and separation for detecting protein functional modules in protein-protein interaction networks. PLoS ONE, 2020, 15, e0240628.	1.1	4
92	Minimising makespan in job-shops with deterministic machine availability constraints. International Journal of Production Research, 2021, 59, 4403-4415.	4.9	4
93	Single Machine Job Sequencing With a Restricted Common Due Window. IEEE Access, 2019, 7, 148741-148755.	2.6	3
94	Intelligent parametric design for a multiple-quality-characteristic glue-dispensing process. Journal of Intelligent Manufacturing, 2019, 30, 2291-2305.	4.4	3
95	An Intelligent Algorithm for Scheduling Jobs on a Single Machine with a Common Due Date. Lecture Notes in Computer Science, 2007, , 689-695.	1.0	3
96	An Auction Bidding Approach to Balance Performance Bonuses in Vehicle Routing Problems with Time Windows. Sustainability, 2021, 13, 9430.	1.6	2
97	Solving the Mask Data Preparation Scheduling Problem Using Meta-Heuristics. IEEE Access, 2019, 7, 24192-24203.	2.6	1
98	Service science – the trend and the future core. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 89-90.	0.5	0
99	Dynamic parametric design and feasibility assessment for a high resistance measuring system. Measurement: Journal of the International Measurement Confederation, 2016, 92, 42-49.	2.5	0
100	Single-Machine Scheduling with Learning Effects and Maintenance: A Methodological Note on Some Polynomial-Time Solvable Cases. Mathematical Problems in Engineering, 2017, 2017, 1-6.	0.6	0
101	Optimal Allocation of Cashiers and Pharmacists in Large Hospitals: A Point-Wise Fluid-Based Dynamic Queueing Network Approach. IEEE Access, 2018, 6, 2859-2870.	2.6	0
102	Single machine scheduling problems with sequence-dependent setup times and precedence delays. Scientific Reports, 2022, 12, .	1.6	0