

# Kuo-Ching Ying

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100  
papers

2,979  
citations

32  
h-index

52  
g-index

102  
ext. papers

3,446  
ext. citations

5.4  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
100	Adjusted Iterated Greedy for the optimization of additive manufacturing scheduling problems. <i>Expert Systems With Applications</i> , <b>2022</b> , 198, 116908	7.8	1
99	Minimizing total completion time in the no-wait jobshop scheduling problem using a backtracking metaheuristic. <i>Computers and Industrial Engineering</i> , <b>2022</b> , 108238	6.4	0
98	No-Idle Flowshop Scheduling for Energy-Efficient Production: An Improved Optimization Framework. <i>Mathematics</i> , <b>2021</b> , 9, 1335	2.3	0
97	New Benchmark Algorithm for Minimizing Total Completion Time in blocking flowshops with sequence-dependent setup times. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 104, 107229	7.5	2
96	Minimising makespan in job-shops with deterministic machine availability constraints. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 4403-4415	7.8	1
95	Multi-temperature simulated annealing for optimizing mixed-blocking permutation flowshop scheduling problems. <i>Expert Systems With Applications</i> , <b>2021</b> , 165, 113837	7.8	16
94	Cyber-physical assembly system-based optimization for robotic assembly sequence planning. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 452-466	9.1	10
93	Unsupervised Learning-based Artificial Bee Colony for minimizing non-value-adding operations. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 105, 107280	7.5	6
92	An Auction Bidding Approach to Balance Performance Bonuses in Vehicle Routing Problems with Time Windows. <i>Sustainability</i> , <b>2021</b> , 13, 9430	3.6	1
91	Deep learning-based optimization for motion planning of dual-arm assembly robots. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 160, 107603	6.4	2
90	Supply chain-oriented two-stage assembly flowshops with sequence-dependent setup times. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 61, 139-154	9.1	2
89	New benchmark algorithms for No-wait Flowshop Group Scheduling Problem with Sequence-Dependent Setup Times. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 111, 107705	7.5	2
88	New benchmark algorithm for hybrid flowshop scheduling with identical machines. <i>Expert Systems With Applications</i> , <b>2021</b> , 183, 115422	7.8	3
87	Learning-Based Metaheuristic for Scheduling Unrelated Parallel Machines With Uncertain Setup Times. <i>IEEE Access</i> , <b>2020</b> , 8, 74065-74082	3.5	9
86	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> , <b>2020</b> , 146, 106615	6.4	8
85	Maximizing cohesion and separation for detecting protein functional modules in protein-protein interaction networks. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240628	3.7	2
84	Supply chain-oriented permutation flowshop scheduling considering flexible assembly and setup times. <i>International Journal of Production Research</i> , <b>2020</b> , 1-24	7.8	11

83	Greedy-Based Non-Dominated Sorting Genetic Algorithm III for Optimizing Single-Machine Scheduling Problem With Interfering Jobs. <i>IEEE Access</i> , <b>2020</b> , 8, 142543-142556	3.5	5
82	Minimizing Total Completion Time in Mixed-Blocking Permutation Flowshops. <i>IEEE Access</i> , <b>2020</b> , 8, 142065-142075	3.5	5
81	Improved Beam Search for Optimizing No-Wait Flowshops With Release Times. <i>IEEE Access</i> , <b>2020</b> , 8, 148100-148124	3.9	4
80	Minimizing makespan in mixed no-wait flowshops with sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 130, 338-347	6.4	15
79	Scheduling Jobs of Two Competing Agents on a Single Machine. <i>IEEE Access</i> , <b>2019</b> , 7, 98702-98714	3.5	7
78	Single Machine Job Sequencing With a Restricted Common Due Window. <i>IEEE Access</i> , <b>2019</b> , 7, 148741-148755	3.5	3
77	Solving the Mask Data Preparation Scheduling Problem Using Meta-Heuristics. <i>IEEE Access</i> , <b>2019</b> , 7, 241925-24203	3.5	3
76	Comparative Analysis of Mixed Integer Programming Formulations for Single-Machine and Parallel-Machine Scheduling Problems. <i>IEEE Access</i> , <b>2019</b> , 7, 152998-153011	3.5	4
75	Makespan optimization in a no-wait flowline manufacturing cell with sequence-dependent family setup times. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 128, 1-7	6.4	7
74	Minimising makespan in distributed mixed no-idle flowshops. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 48-60	7.8	29
73	Intelligent parametric design for a multiple-quality-characteristic glue-dispensing process. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 2291-2305	6.7	3
72	Optimization algorithms for proportionate flowshop scheduling problems with variable maintenance activities. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 117, 164-170	6.4	9
71	. <i>IEEE Access</i> , <b>2018</b> , 6, 2859-2870	3.5	
70	Decreasing the System Testing Makespan in a Computer Manufacturing Company. <i>IEEE Access</i> , <b>2018</b> , 6, 16464-16473	3.5	4
69	Minimizing makespan for the distributed hybrid flowshop scheduling problem with multiprocessor tasks. <i>Expert Systems With Applications</i> , <b>2018</b> , 92, 132-141	7.8	63
68	Improved Exact Methods for Solving No-Wait Flowshop Scheduling Problems With Due Date Constraints. <i>IEEE Access</i> , <b>2018</b> , 6, 30702-30713	3.5	11
67	Minimizing the Sum of Makespan and Total Weighted Tardiness in a No-Wait Flowshop. <i>IEEE Access</i> , <b>2018</b> , 6, 78666-78677	3.5	10
66	Minimizing makespan for no-wait flowshop scheduling problems with setup times. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 121, 73-81	6.4	9

65	Minimising total cost for training and assigning multiskilled workers in seru production systems. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 2978-2989	7.8	26
64	Iterated reference greedy algorithm for solving distributed no-idle permutation flowshop scheduling problems. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 110, 413-423	6.4	58
63	Single-Machine Scheduling with Learning Effects and Maintenance: A Methodological Note on Some Polynomial-Time Solvable Cases. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-6	1.1	
62	Minimizing Makespan in Distributed Blocking Flowshops Using Hybrid Iterated Greedy Algorithms. <i>IEEE Access</i> , <b>2017</b> , 5, 15694-15705	3.5	34
61	Applying strain gauges to measuring thermal warpage of printed circuit boards. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 110, 239-248	4.6	4
60	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> , <b>2017</b> , 55, 1707-1719	7.8	9
59	Uniform Parallel-Machine Scheduling for Minimizing Total Resource Consumption With a Bounded Makespan. <i>IEEE Access</i> , <b>2017</b> , 5, 15791-15799	3.5	7
58	Dynamic parametric design and feasibility assessment for a high resistance measuring system. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 92, 42-49	4.6	
57	Exact algorithms for single-machine scheduling problems with a variable maintenance. <i>Computers and Industrial Engineering</i> , <b>2016</b> , 98, 427-433	6.4	23
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> , <b>2016</b> , 54, 6879-6890	7.8	12
55	Real-time relief distribution in the aftermath of disasters [A rolling horizon approach]. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2016</b> , 93, 1-20	9	33
54	Multi-objective unrelated parallel machine scheduling: a Tabu-enhanced iterated Pareto greedy algorithm. <i>International Journal of Production Research</i> , <b>2016</b> , 54, 1110-1121	7.8	19
53	Optimization of makespan for no-wait flowshop scheduling problems using efficient matheuristics. <i>Omega</i> , <b>2016</b> , 64, 115-125	7.2	56
52	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> , <b>2016</b> , 2016,	3.7	10
51	Self-adaptive ruin-and-recreate algorithm for minimizing total flow time in no-wait flowshops. <i>Computers and Industrial Engineering</i> , <b>2016</b> , 101, 167-176	6.4	8
50	Minimizing makespan for solving the distributed no-wait flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , <b>2016</b> , 99, 202-209	6.4	58
49	Order acceptance and scheduling to maximize total net revenue in permutation flowshops with weighted tardiness. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 30, 462-474	7.5	24
48	Scheduling the two-machine flowshop to hedge against processing time uncertainty. <i>Journal of the Operational Research Society</i> , <b>2015</b> , 66, 1413-1425	2	9

47	A multi-point simulated annealing heuristic for solving multiple objective unrelated parallel machine scheduling problems. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 1065-1076	7.8	36
46	Minimizing shifts for personnel task scheduling problems: A three-phase algorithm. <i>European Journal of Operational Research</i> , <b>2014</b> , 237, 323-334	5.6	19
45	Minimizing worst-case regret of makespan on a single machine with uncertain processing and setup times. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 23, 144-151	7.5	20
44	Robust single machine scheduling for minimizing total flow time in the presence of uncertain processing times. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 74, 102-110	6.4	32
43	ABC-based manufacturing scheduling for unrelated parallel machines with machine-dependent and job sequence-dependent setup times. <i>Computers and Operations Research</i> , <b>2014</b> , 51, 172-181	4.6	47
42	Minimizing the total service time of discrete dynamic berth allocation problem by an iterated greedy heuristic. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 218925	2.2	8
41	Bi-objective reentrant hybrid flowshop scheduling: an iterated Pareto greedy algorithm. <i>International Journal of Production Research</i> , <b>2014</b> , 52, 5735-5747	7.8	35
40	Minimizing makespan and total flowtime in permutation flowshops by a bi-objective multi-start simulated-annealing algorithm. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 1625-1647	4.6	41
39	Minimising makespan in distributed permutation flowshops using a modified iterated greedy algorithm. <i>International Journal of Production Research</i> , <b>2013</b> , 51, 5029-5038	7.8	119
38	Multiprocessor task scheduling in multistage hybrid flowshops: A hybrid artificial bee colony algorithm with bi-directional planning. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 1186-1195	4.6	29
37	Minimizing makespan in a blocking flowshop using a revised artificial immune system algorithm. <i>Omega</i> , <b>2013</b> , 41, 383-389	7.2	54
36	A high-performing constructive heuristic for minimizing makespan in permutation flowshops. <i>Journal of Industrial and Production Engineering</i> , <b>2013</b> , 30, 355-362	1	13
35	Robust scheduling on a single machine to minimize total flow time. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 1682-1691	4.6	52
34	Metaheuristics for scheduling a no-wait flowshop manufacturing cell with sequence-dependent family setups. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 58, 671-682	3.2	29
33	SnCuNi Soldering Process Optimization Using Multivariate Analysis. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2012</b> , 2, 527-535	1.7	8
32	Makespan minimization for scheduling unrelated parallel machines with setup times. <i>Journal of Intelligent Manufacturing</i> , <b>2012</b> , 23, 1795-1803	6.7	44
31	An intelligent algorithm with feature selection and decision rules applied to anomaly intrusion detection. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 3285-3290	7.5	130
30	Scheduling identical wafer sorting parallel machines with sequence-dependent setup times using an iterated greedy heuristic. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 2710-2719	7.8	18

29	Meta-heuristic algorithms for wafer sorting scheduling problems. <i>Journal of the Operational Research Society</i> , <b>2011</b> , 62, 165-174	2	8
28	Minimizing makespan in a flow-line manufacturing cell with sequence dependent family setup times. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 15517-15522	7.8	14
27	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> , <b>2011</b> , 53, 353-361	3.2	40
26	Minimization of maximum lateness on parallel machines with sequence-dependent setup times and job release dates. <i>Computers and Operations Research</i> , <b>2011</b> , 38, 809-815	4.6	36
25	Applying multi-start simulated annealing to schedule a flowline manufacturing cell with sequence dependent family setup times. <i>International Journal of Production Economics</i> , <b>2011</b> , 130, 246-254	9.3	30
24	Service science [the trend and the future core. <i>Journal of the Chinese Institute of Industrial Engineers</i> , <b>2011</b> , 28, 89-90		
23	Part-machine cell formation in group technology using a simulated annealing-based meta-heuristic. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 3579-3591	7.8	14
22	Permutation and non-permutation schedules for the flowline manufacturing cell with sequence dependent family setups. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 2169-2184	7.8	37
21	Scheduling jobs on dynamic parallel machines with sequence-dependent setup times. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 47, 773-781	3.2	14
20	Applying PSO-based BPN for predicting the yield rate of DRAM modules produced using defective ICs. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 49, 987-999	3.2	3
19	Dynamic parallel machine scheduling with sequence-dependent setup times using an iterated greedy heuristic. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 2848-2852	7.8	63
18	An enhanced ant colony optimization (EACO) applied to capacitated vehicle routing problem. <i>Applied Intelligence</i> , <b>2010</b> , 32, 88-95	4.9	50
17	Applying hybrid meta-heuristics for capacitated vehicle routing problem. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 1505-1512	7.8	74
16	Sequencing single-machine tardiness problems with sequence dependent setup times using an iterated greedy heuristic. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7087-7092	7.8	65
15	Hybrid-directional planning: improving improvement heuristics for scheduling resource-constrained projects. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 41, 358-366	3.2	17
14	Metaheuristics for scheduling a non-permutation flowline manufacturing cell with sequence dependent family setup times. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 1110-1121	4.6	41
13	Raising the hit rate for wafer fabrication by a simple constructive heuristic. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 2894-2900	7.8	7
12	Using simulated annealing to schedule a flowshop manufacturing cell with sequence-dependent family setup times. <i>International Journal of Production Research</i> , <b>2009</b> , 47, 3205-3217	7.8	45

11	Scheduling multistage hybrid flowshops with multiprocessor tasks by an effective heuristic. <i>International Journal of Production Research</i> , <b>2009</b> , 47, 3525-3538	7.8	17
10	Solving non-permutation flowshop scheduling problems by an effective iterated greedy heuristic. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 38, 348-354	3.2	57
9	Particle swarm optimization for parameter determination and feature selection of support vector machines. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1817-1824	7.8	600
8	A sequential exchange approach for minimizing earliness/tardiness penalties of single-machine scheduling with a common due date. <i>European Journal of Operational Research</i> , <b>2007</b> , 177, 1294-1301	5.6	32
7	Multi-heuristic desirability ant colony system heuristic for non-permutation flowshop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2007</b> , 33, 793-802	3.2	36
6	Solving single-machine total weighted tardiness problems with sequence-dependent setup times by meta-heuristics. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2007</b> , 34, 1183-1190	3.2	46
5	An Intelligent Algorithm for Scheduling Jobs on a Single Machine with a Common Due Date. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 689-695	0.9	3
4	Multiprocessor task scheduling in multistage hybrid flow-shops: an ant colony system approach. <i>International Journal of Production Research</i> , <b>2006</b> , 44, 3161-3177	7.8	88
3	An ant colony system for permutation flow-shop sequencing. <i>Computers and Operations Research</i> , <b>2004</b> , 31, 791-801	4.6	127
2	An ant colony system approach for scheduling problems. <i>Production Planning and Control</i> , <b>2003</b> , 14, 68-74	4.3	27
1	Meta-Lamarckian-based iterated greedy for optimizing distributed two-stage assembly flowshops with mixed setups. <i>Annals of Operations Research</i> , 1	3.2	1