Shih-Wei Lin

List of Publications by Year
in descending order

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140 papers	5,659 citations	71061 41 h-index	88593 70 g-index
140 all docs	140 docs citations	140 times ranked	4256 citing authors

#	Article	IF	Citations
1	Particle swarm optimization for parameter determination and feature selection of support vector machines. Expert Systems With Applications, 2008, 35, 1817-1824.	4.4	755
2	Parameter determination of support vector machine and feature selection using simulated annealing approach. Applied Soft Computing Journal, 2008, 8, 1505-1512.	4.1	285
3	A simulated annealing heuristic for the capacitated location routing problem. Computers and Industrial Engineering, 2010, 58, 288-299.	3.4	240
4	An intelligent algorithm with feature selection and decision rules applied to anomaly intrusion detection. Applied Soft Computing Journal, 2012, 12, 3285-3290.	4.1	179
5	Minimising makespan in distributed permutation flowshops using a modified iterated greedy algorithm. International Journal of Production Research, 2013, 51, 5029-5038.	4.9	162
6	Solving the truck and trailer routing problem based on a simulated annealing heuristic. Computers and Operations Research, 2009, 36, 1683-1692.	2.4	142
7	A simulated annealing heuristic for the team orienteering problem with time windows. European Journal of Operational Research, 2012, 217, 94-107.	3.5	108
8	A simulated annealing heuristic for the truck and trailer routing problem with time windows. Expert Systems With Applications, 2011, 38, 15244-15252.	4.4	107
9	Applying hybrid meta-heuristics for capacitated vehicle routing problem. Expert Systems With Applications, 2009, 36, 1505-1512.	4.4	105
10	Minimizing makespan for the distributed hybrid flowshop scheduling problem with multiprocessor tasks. Expert Systems With Applications, 2018, 92, 132-141.	4.4	100
11	Dynamic parking negotiation and guidance using an agent-based platform. Expert Systems With Applications, 2008, 35, 805-817.	4.4	96
12	Multiprocessor task scheduling in multistage hybrid flow-shops: an ant colony system approach. International Journal of Production Research, 2006, 44, 3161-3177.	4.9	95
13	Iterated reference greedy algorithm for solving distributed no-idle permutation flowshop scheduling problems. Computers and Industrial Engineering, 2017, 110, 413-423.	3.4	85
14	Minimizing makespan for solving the distributed no-wait flowshop scheduling problem. Computers and Industrial Engineering, 2016, 99, 202-209.	3.4	81
15	Combining support vector machine with genetic algorithm to classify ultrasound breast tumor images. Computerized Medical Imaging and Graphics, 2012, 36, 627-633.	3.5	77
16	Multi-start simulated annealing heuristic for the location routing problem with simultaneous pickup and delivery. Applied Soft Computing Journal, 2014, 24, 284-290.	4.1	74
17	Sequencing single-machine tardiness problems with sequence dependent setup times using an iterated greedy heuristic. Expert Systems With Applications, 2009, 36, 7087-7092.	4.4	72
18	Optimization of makespan for no-wait flowshop scheduling problems using efficient matheuristics. Omega, 2016, 64, 115-125.	3.6	69

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19	Solving the team orienteering problem using effective multi-start simulated annealing. Applied Soft Computing Journal, 2013, 13, 1064-1073.	4.1	68
20	Robust scheduling on a single machine to minimize total flow time. Computers and Operations Research, 2012, 39, 1682-1691.	2.4	67
21	Minimizing makespan in a blocking flowshop using a revised artificial immune system algorithm. Omega, 2013, 41, 383-389.	3.6	65
22	An enhanced ant colony optimization (EACO) applied toÂcapacitated vehicle routing problem. Applied Intelligence, 2010, 32, 88-95.	3.3	62
23	PSOLDA: A particle swarm optimization approach for enhancing classification accuracy rate of linear discriminant analysis. Applied Soft Computing Journal, 2009, 9, 1008-1015.	4.1	61
24	ABC-based manufacturing scheduling for unrelated parallel machines with machine-dependent and job sequence-dependent setup times. Computers and Operations Research, 2014, 51, 172-181.	2.4	58
25	A hybrid watermarking technique applied to digital images. Applied Soft Computing Journal, 2008, 8, 798-808.	4.1	57
26	Makespan minimization for scheduling unrelated parallel machines with setup times. Journal of Intelligent Manufacturing, 2012, 23, 1795-1803.	4.4	57
27	A simulated-annealing-based approach for simultaneous parameter optimization and feature selection of back-propagation networks. Expert Systems With Applications, 2008, 34, 1491-1499.	4.4	55
28	Solving single-machine total weighted tardiness problems with sequence-dependent setup times by meta-heuristics. International Journal of Advanced Manufacturing Technology, 2007, 34, 1183-1190.	1.5	54
29	Using simulated annealing to schedule a flowshop manufacturing cell with sequence-dependent family setup times. International Journal of Production Research, 2009, 47, 3205-3217.	4.9	53
30	Minimizing makespan and total flowtime in permutation flowshops by a bi-objective multi-start simulated-annealing algorithm. Computers and Operations Research, 2013, 40, 1625-1647.	2.4	53
31	Minimization of total tardiness on unrelated parallel machines with sequence- and machine-dependent setup times under due date constraints. International Journal of Advanced Manufacturing Technology, 2011, 53, 353-361.	1.5	49
32	A note on the truck and trailer routing problem. Expert Systems With Applications, 2010, 37, 899-903.	4.4	48
33	Increasing the total net revenue for single machine order acceptance and scheduling problems using an artificial bee colony algorithm. Journal of the Operational Research Society, 2013, 64, 293-311.	2.1	48
34	A multi-point simulated annealing heuristic for solving multiple objective unrelated parallel machine scheduling problems. International Journal of Production Research, 2015, 53, 1065-1076.	4.9	48
35	Minimizing Makespan in Distributed Blocking Flowshops Using Hybrid Iterated Greedy Algorithms. IEEE Access, 2017, 5, 15694-15705.	2.6	48
36	Metaheuristics for scheduling a non-permutation flowline manufacturing cell with sequence dependent family setup times. Computers and Operations Research, 2009, 36, 1110-1121.	2.4	47

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37	Bi-objective reentrant hybrid flowshop scheduling: an iterated Pareto greedy algorithm. International Journal of Production Research, 2014, 52, 5735-5747.	4.9	47
38	Parameter tuning, feature selection and weight assignment of features for case-based reasoning by artificial immune system. Applied Soft Computing Journal, 2011, 11, 5042-5052.	4.1	45
39	Efficient model and heuristic for the intermodal terminal location problem. Computers and Operations Research, 2014, 51, 41-51.	2.4	45
40	A simulated annealing heuristic for the multiconstraint team orienteering problem with multiple time windows. Applied Soft Computing Journal, 2015, 37, 632-642.	4.1	45
41	Multi-heuristic desirability ant colony system heuristic for non-permutation flowshop scheduling problems. International Journal of Advanced Manufacturing Technology, 2007, 33, 793-802.	1.5	44
42	Applying enhanced data mining approaches in predicting bank performance: A case of Taiwanese commercial banks. Expert Systems With Applications, 2009, 36, 11543-11551.	4.4	44
43	Robust single machine scheduling for minimizing total flow time in the presence of uncertain processing times. Computers and Industrial Engineering, 2014, 74, 102-110.	3.4	43
44	Applying a hybrid simulated annealing and tabu search approach to non-permutation flowshop scheduling problems. International Journal of Production Research, 2009, 47, 1411-1424.	4.9	42
45	Minimization of maximum lateness on parallel machines with sequence-dependent setup times and job release dates. Computers and Operations Research, 2011, 38, 809-815.	2.4	41
46	Permutation and non-permutation schedules for the flowline manufacturing cell with sequence dependent family setups. International Journal of Production Research, 2010, 48, 2169-2184.	4.9	40
47	The museum visitor routing problem. Applied Mathematics and Computation, 2010, 216, 719-729.	1.4	38
48	Parameter determination and feature selection for C4.5 algorithm using scatter search approach. Soft Computing, 2012, 16, 63-75.	2.1	38
49	Team orienteering problem with time windows and time-dependent scores. Computers and Industrial Engineering, 2019, 127, 213-224.	3.4	38
50	Cell formation using a simulated annealing algorithm with variable neighbourhood. European Journal of Industrial Engineering, 2011, 5, 22.	0.5	36
51	Applying multi-start simulated annealing to schedule a flowline manufacturing cell with sequence dependent family setup times. International Journal of Production Economics, 2011, 130, 246-254.	5.1	36
52	A sequential exchange approach for minimizing earlinessâ€“tardiness penalties of single-machine scheduling with a common due date. European Journal of Operational Research, 2007, 177, 1294-1301.	3.5	34
53	Multiprocessor task scheduling in multistage hybrid flowshops: A hybrid artificial bee colony algorithm with bi-directional planning. Computers and Operations Research, 2013, 40, 1186-1195.	2.4	34
54	Parameter determination and feature selection for back-propagation network by particle swarm optimization. Knowledge and Information Systems, 2009, 21, 249-266.	2.1	33

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55	Metaheuristics for scheduling a no-wait flowshop manufacturing cell with sequence-dependent family setups. International Journal of Advanced Manufacturing Technology, 2012, 58, 671-682.	1.5	33
56	Solving the team orienteering problem with time windows and mandatory visits by multi-start simulated annealing. Computers and Industrial Engineering, 2017, 114, 195-205.	3.4	33
57	Enhancing the classification accuracy by scatter-search-based ensemble approach. Applied Soft Computing Journal, 2011, 11, 1021-1028.	4.1	30
58	Order acceptance and scheduling to maximize total net revenue in permutation flowshops with weighted tardiness. Applied Soft Computing Journal, 2015, 30, 462-474.	4.1	29
59	Multi-temperature simulated annealing for optimizing mixed-blocking permutation flowshop scheduling problems. Expert Systems With Applications, 2021, 165, 113837.	4.4	29
60	Solving the dynamic berth allocation problem by simulated annealing. Engineering Optimization, 2014, 46, 308-327.	1.5	28
61	Two-stage approach to the intermodal terminal location problem. Computers and Operations Research, 2016, 67, 113-119.	2.4	28
62	Surgical outcomes of pulmonary mucoepidermoid carcinoma: A review of 41 cases. PLoS ONE, 2017, 12, e0176918.	1.1	28
63	Minimizing shifts for personnel task scheduling problems: A three-phase algorithm. European Journal of Operational Research, 2014, 237, 323-334.	3.5	27
64	Multi-objective unrelated parallel machine scheduling: a Tabu-enhanced iterated Pareto greedy algorithm. International Journal of Production Research, 2016, 54, 1110-1121.	4.9	27
65	A Simulated Annealing Algorithm for the Vehicle Routing Problem With Parcel Lockers. IEEE Access, 2022, 10, 20764-20782.	2.6	27
66	Treatment Outcomes of Patients With Different Subtypes of Large Cell Carcinoma of the Lung. Annals of Thoracic Surgery, 2014, 98, 1013-1019.	0.7	25
67	An Artificial Immune System-Based Support Vector Machine Approach for Classifying Ultrasound Breast Tumor Images. Journal of Digital Imaging, 2015, 28, 576-585.	1.6	25
68	Cluster identification with parallel coordinates. Pattern Recognition Letters, 1999, 20, 565-572.	2.6	24
69	Minimizing worst-case regret of makespan on a single machine with uncertain processing and setup times. Applied Soft Computing Journal, 2014, 23, 144-151.	4.1	24
70	Scheduling a bi-criteria flowshop manufacturing cell with sequence-dependent family setup times. European Journal of Industrial Engineering, 2012, 6, 474.	0.5	22
71	Lactobacillus plantarum GKM3 Promotes Longevity, Memory Retention, and Reduces Brain Oxidation Stress in SAMP8 Mice. Nutrients, 2021, 13, 2860.	1.7	22
72	A hybrid approach for single-machine tardiness problems with sequence-dependent setup times. Journal of the Operational Research Society, 2008, 59, 1109-1119.	2.1	21

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73	Scheduling multistage hybrid flowshops with multiprocessor tasks by an effective heuristic. International Journal of Production Research, 2009, 47, 3525-3538.	4.9	21
74	Hybrid-directional planning: improving improvement heuristics for scheduling resource-constrained projects. International Journal of Advanced Manufacturing Technology, 2009, 41, 358-366.	1.5	20
75	New benchmark algorithm for hybrid flowshop scheduling with identical machines. Expert Systems With Applications, 2021, 183, 115422.	4.4	20
76	Makespan optimization in a no-wait flowline manufacturing cell with sequence-dependent family setup times. Computers and Industrial Engineering, 2019, 128, 1-7.	3.4	19
77	Location determination of mobile devices for an indoor WLAN application using a neural network. Knowledge and Information Systems, 2009, 20, 81-93.	2.1	18
78	A novel function approximation based on robust fuzzy regression algorithm model and particle swarm optimization. Applied Soft Computing Journal, 2011, 11, 1820-1826.	4.1	18
79	Scheduling jobs on dynamic parallel machines with sequence-dependent setup times. International Journal of Advanced Manufacturing Technology, 2010, 47, 773-781.	1.5	17
80	Irregular shapes classification by back-propagation neural networks. International Journal of Advanced Manufacturing Technology, 2007, 34, 1164-1172.	1.5	16
81	Meta-heuristic approaches for minimizing total earliness and tardiness penalties of single-machine scheduling with a common due date. Journal of Heuristics, 2007, 13, 151-165.	1.1	16
82	Minimising total weighted earliness and tardiness penalties on identical parallel machines using a fast ruin-and-recreate algorithm. International Journal of Production Research, 2016, 54, 6879-6890.	4.9	16
83	Simulated annealing with different vessel assignment strategies for the continuous berth allocation problem. Flexible Services and Manufacturing Journal, 2018, 30, 740-763.	1.9	16
84	Part-machine cell formation in group technology using a simulated annealing-based meta-heuristic. International Journal of Production Research, 2010, 48, 3579-3591.	4.9	15
85	Risk Factors Associated with Outcomes of Recombinant Tissue Plasminogen Activator Therapy in Patients with Acute Ischemic Stroke. International Journal of Environmental Research and Public Health, 2020, 17, 618.	1.2	15
86	Effect of probioticsLactobacillus paracaseiGKS6,L. plantarumGKM3, andL. rhamnosusGKLC1 on alleviating alcohol-induced alcoholic liver disease in a mouse model. Nutrition Research and Practice, 2020, 14, 299.	0.7	15
87	An ensemble approach applied to classify spam e-mails. Expert Systems With Applications, 2010, 37, 2197-2201.	4.4	14
88	Inventory models with managerial policy independent of demand. European Journal of Operational Research, 2011, 211, 520-524.	3.5	14
89	A high-performing constructive heuristic for minimizing makespan in permutation flowshops. Journal of Industrial and Production Engineering, 2013, 30, 355-362.	2.1	14
90	Minimizing makespan for no-wait flowshop scheduling problems with setup times. Computers and Industrial Engineering, 2018, 121, 73-81.	3.4	14

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91	Improved Exact Methods for Solving No-Wait Flowshop Scheduling Problems With Due Date Constraints. IEEE Access, 2018, 6, 30702-30713.	2.6	14
92	An efficient two-staged approach for generating block layouts. Computers and Operations Research, 2002, 29, 489-504.	2.4	13
93	Iterated greedy heuristic for the time-dependent prize-collecting arc routing problem. Computers and Industrial Engineering, 2015, 90, 54-66.	3.4	13
94	Minimizing the Sum of Makespan and Total Weighted Tardiness in a No-Wait Flowshop. IEEE Access, 2018, 6, 78666-78677.	2.6	13
95	Using Nursing Information and Data Mining to Explore the Factors That Predict Pressure Injuries for Patients at the End of Life. CIN - Computers Informatics Nursing, 2019, 37, 133-141.	0.3	13
96	Solving no-wait job-shop scheduling problems using a multi-start simulated annealing with bi-directional shift timetabling algorithm. Computers and Industrial Engineering, 2020, 146, 106615.	3.4	13
97	Lactobacillus rhamnosus GKLC1 ameliorates cisplatin-induced chronic nephrotoxicity by inhibiting cell inflammation and apoptosis. Biomedicine and Pharmacotherapy, 2022, 147, 112701.	2.5	13
98	The Vehicle Routing Problem with Simultaneous Pickup and Delivery and Parcel Lockers. Mathematics, 2022, 10, 920.	1.1	13
99	Note on minimax distribution free procedure for integrated inventory model with defective goods and stochastic lead time demand. Applied Mathematical Modelling, 2011, 35, 2087-2093.	2.2	12
100	Adenosquamous Carcinoma of the Esophagus and Esophagogastric Junction: Clinical Manifestations and Treatment Outcomes. Journal of Gastrointestinal Surgery, 2015, 19, 1216-1222.	0.9	12
101	Effective dynamic dispatching rule and constructive heuristic for solving single-machine scheduling problems with a common due window. International Journal of Production Research, 2017, 55, 1707-1719.	4.9	12
102	Meta-heuristic algorithms for wafer sorting scheduling problems. Journal of the Operational Research Society, 2011, 62, 165-174.	2.1	11
103	Design of a two-echelon freight distribution system in an urban area considering third-party logistics and loadingâ€“unloading zones. Applied Soft Computing Journal, 2020, 97, 106707.	4.1	10
104	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
105	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
106	Improved Beam Search for Optimizing No-Wait Flowshops With Release Times. IEEE Access, 2020, 8, 148100-148124.	2.6	9
107	Simulated Annealing with Mutation Strategy for the Share-a-Ride Problem with Flexible Compartments. Mathematics, 2021, 9, 2320.	1.1	9
108	Raising the hit rate for wafer fabrication by a simple constructive heuristic. Expert Systems With Applications, 2009, 36, 2894-2900.	4.4	8

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109	Uniform Parallel-Machine Scheduling for Minimizing Total Resource Consumption With a Bounded Makespan. IEEE Access, 2017, 5, 15791-15799.	2.6	8
110	Simulated Annealing with Restart Strategy for the Path Cover Problem with Time Windows. Mathematics, 2021, 9, 1625.	1.1	8
111	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
112	Regional Location Routing Problem for Waste Collection Using Hybrid Genetic Algorithm-Simulated Annealing. Mathematics, 2022, 10, 2131.	1.1	8
113	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
114	Minimizing Total Completion Time in Mixed-Blocking Permutation Flowshops. IEEE Access, 2020, 8, 142065-142075.	2.6	6
115	Location-Aware Tour Guide Systems in Museum. Advanced Concurrent Engineering, 2008, , 349-356.	0.2	6
116	Using new attribute construction to incorporate the expertise of human experts into a smuggling vessels classification system. Expert Systems With Applications, 2009, 36, 7773-7777.	4.4	5
117	Technical Note on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>Q</mml:mi><mml:mo>,</mml:mo><mml:mi>r</mml:mi> Model with Defective Items. Abstract and Applied Analysis, 2010, 2010, 1-8.	0.8	5
118	No-Idle Flowshop Scheduling for Energy-Efficient Production: An Improved Optimization Framework. Mathematics, 2021, 9, 1335.	1.1	5
119	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
120	Decreasing the System Testing Makespan in a Computer Manufacturing Company. IEEE Access, 2018, 6, 16464-16473.	2.6	4
121	Comparative Analysis of Mixed Integer Programming Formulations for Single-Machine and Parallel-Machine Scheduling Problems. IEEE Access, 2019, 7, 152998-153011.	2.6	4
122	Maximizing cohesion and separation for detecting protein functional modules in protein-protein interaction networks. PLoS ONE, 2020, 15, e0240628.	1.1	4
123	Minimising makespan in job-shops with deterministic machine availability constraints. International Journal of Production Research, 2021, 59, 4403-4415.	4.9	4
124	An Examination of Lactobacillus paracasei GKS6 and Bifidobacterium lactis GKK2 Isolated from Infant Feces in an Aged Mouse Model. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-9.	0.5	4
125	Assessing Circularity in Three Dimensions1. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2001, 123, 128-134.	1.3	3
126	FALSCAL: A fuzzy multidimensional scaling algorithm. Computers and Mathematics With Applications, 2007, 53, 717-728.	1.4	3

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127	Efficient wafer sorting scheduling using a hybrid artificial immune system. Journal of the Operational Research Society, 2014, 65, 169-179.	2.1	3
128	Single Machine Job Sequencing With a Restricted Common Due Window. IEEE Access, 2019, 7, 148741-148755.	2.6	3
129	Location-Routing Problem With Demand Range. IEEE Access, 2019, 7, 149142-149155.	2.6	3
130	Using the ISM Method to Analyze the Relationships between Various Contractor Prequalification Criteria. Applied Sciences (Switzerland), 2022, 12, 3726.	1.3	3
131	Solving Aggregate Production Planning Problems: An Extended TOPSIS Approach. Applied Sciences (Switzerland), 2022, 12, 6945.	1.3	3
132	A five-year longitudinal study of the relation between end-stage kidney disease as the outcomes. BMC Nephrology, 2020, 21, 132.	0.8	2
133	Optimal Maintenance Policy for Offshore Wind Systems. Energies, 2021, 14, 6082.	1.6	2
134	Fuzzy Multi-Choice Goal Programming and Artificial Bee Colony Algorithm for Triangular and Trapezoidal Membership Functions. IEEE Access, 2021, 9, 95267-95281.	2.6	2
135	A Dynamical Ant Colony Optimization with Heuristics for Scheduling Jobs on a Single Machine with a Common Due Date. Studies in Computational Intelligence, 2008, , 91-103.	0.7	2
136	Solving the Mask Data Preparation Scheduling Problem Using Meta-Heuristics. IEEE Access, 2019, 7, 24192-24203.	2.6	1
137	Service science â€“ the trend and the future core. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 89-90.	0.5	0
138	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
139	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
140	Single machine scheduling problems with sequence-dependent setup times and precedence delays. Scientific Reports, 2022, 12, .	1.6	0