

# Bertrand M T Lin

## List of Publications by Year in descending order

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95  
papers

2,435  
citations

236925

25  
h-index

214800

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g-index

95  
all docs

95  
docs citations

95  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	A concise survey of scheduling with time-dependent processing times. <i>European Journal of Operational Research</i> , 2004, 152, 1-13.	5.7	582
2	Minimizing the Makespan in the 3-Machine Assembly-Type Flowshop Scheduling Problem. <i>Management Science</i> , 1993, 39, 616-625.	4.1	256
3	Application of ant colony optimization for no-wait flowshop scheduling problem to minimize the total completion time. <i>Computers and Industrial Engineering</i> , 2004, 47, 181-193.	6.3	114
4	Parallel-machine scheduling to minimize tardiness penalty and power cost. <i>Computers and Industrial Engineering</i> , 2013, 64, 224-234.	6.3	114
5	An Ant Colony Optimization Algorithm for the Minimum Weight Vertex Cover Problem. <i>Annals of Operations Research</i> , 2004, 131, 283-304.	4.1	79
6	Makespan minimization in the two-machine flowshop batch scheduling problem. <i>Naval Research Logistics</i> , 2000, 47, 128-144.	2.2	51
7	On the Development of a Computer-Assisted Testing System With Genetic Test Sheet-Generating Approach. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2005, 35, 590-594.	2.9	44
8	Development of new features of ant colony optimization for flowshop scheduling. <i>International Journal of Production Economics</i> , 2008, 112, 742-755.	8.9	43
9	An effective approach for test-sheet composition with large-scale item banks. <i>Computers and Education</i> , 2006, 46, 122-139.	8.3	38
10	Ant colony optimization for the cell assignment problem in PCS networks. <i>Computers and Operations Research</i> , 2006, 33, 1713-1740.	4.0	38
11	Parallel-Machine Batching and Scheduling to Minimize Total Completion Time. <i>IIE Transactions</i> , 1996, 28, 953-956.	2.1	37
12	Complexity results for single-machine scheduling with positional learning effects. <i>Journal of the Operational Research Society</i> , 2007, 58, 1099-1102.	3.4	37
13	Single Machine Scheduling to Minimize Batch Delivery and Job Earliness Penalties. <i>SIAM Journal on Optimization</i> , 1997, 7, 547-559.	2.0	36
14	Parallel-machine batch scheduling to minimize the maximum lateness and the number of tardy jobs. <i>International Journal of Production Economics</i> , 2004, 91, 121-134.	8.9	35
15	Scheduling in an assembly-type production chain with batch transfer. <i>Omega</i> , 2007, 35, 143-151.	5.9	35
16	Minimization of maximum lateness under linear deterioration. <i>Omega</i> , 2003, 31, 459-469.	5.9	34
17	Two-stage flowshop scheduling with a common second-stage machine. <i>Computers and Operations Research</i> , 1997, 24, 1169-1174.	4.0	33
18	Batch scheduling in the no-wait two-machine flowshop to minimize the makespan. <i>Computers and Operations Research</i> , 2001, 28, 613-624.	4.0	33

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19	An empirical investigation of total quality management: a Taiwanese case. <i>The TQM Journal</i> , 2002, 14, 172-180.	0.8	30
20	Customer order scheduling to minimize the number of late jobs. <i>European Journal of Operational Research</i> , 2007, 183, 944-948.	5.7	30
21	A Decision Model for Human Resource Allocation in Project Management of Software Development. <i>IEEE Access</i> , 2020, 8, 38073-38081.	4.2	30
22	Makespan minimization in single-machine scheduling with step-deterioration of processing times. <i>Journal of the Operational Research Society</i> , 2004, 55, 247-256.	3.4	27
23	Optimal scheduling in film production to minimize talent hold cost. <i>Journal of Optimization Theory and Applications</i> , 1993, 79, 479-492.	1.5	26
24	Two-machine flow-shop scheduling to minimize total late work. <i>Engineering Optimization</i> , 2006, 38, 501-509.	2.6	26
25	Robust scheduling for a two-stage assembly shop with scenario-dependent processing times. <i>International Journal of Production Research</i> , 2021, 59, 5372-5387.	7.5	26
26	Ant-Tree: an ant colony optimization approach to the generalized minimum spanning tree problem. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2003, 15, 103-112.	2.8	25
27	Minimizing the total completion time in single-machine scheduling with step-deteriorating jobs. <i>Computers and Operations Research</i> , 2005, 32, 521-536.	4.0	25
28	A two-machine flowshop problem with processing time-dependent buffer constraints—An application in multimedia presentations. <i>Computers and Operations Research</i> , 2009, 36, 1158-1175.	4.0	24
29	Two-Machine Flowshop Batching and Scheduling. <i>Annals of Operations Research</i> , 2005, 133, 149-161.	4.1	23
30	Total completion time minimization in a 2-stage differentiation flowshop with fixed sequences per job type. <i>Information Processing Letters</i> , 2011, 111, 208-212.	0.6	23
31	The strong NP-hardness of two-stage flowshop scheduling with a common second-stage machine. <i>Computers and Operations Research</i> , 1999, 26, 695-698.	4.0	21
32	Scheduling of a two-stage differentiation flowshop to minimize weighted sum of machine completion times. <i>Computers and Operations Research</i> , 2009, 36, 3031-3040.	4.0	20
33	Scheduling time-dependent jobs under mixed deterioration. <i>Applied Mathematics and Computation</i> , 2010, 216, 438-447.	2.2	19
34	Bicriteria scheduling in a two-machine permutation flowshop. <i>International Journal of Production Research</i> , 2006, 44, 2299-2312.	7.5	18
35	Two-stage assembly-type flowshop batch scheduling problem subject to a fixed job sequence. <i>Journal of the Operational Research Society</i> , 2012, 63, 839-845.	3.4	18
36	Fast approximation algorithms for bi-criteria scheduling with machine assignment costs. <i>European Journal of Operational Research</i> , 2014, 238, 54-64.	5.7	17

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37	Multicast routing and wavelength assignment with delay constraints in WDM networks with heterogeneous capabilities. <i>Journal of Network and Computer Applications</i> , 2008, 31, 47-65.	9.1	16
38	Coupled-task scheduling on a single machine subject to a fixed-job-sequence. <i>Computers and Industrial Engineering</i> , 2011, 60, 690-698.	6.3	15
39	Resource-constrained flowshop scheduling with separate resource recycling operations. <i>Computers and Operations Research</i> , 2012, 39, 1206-1212.	4.0	14
40	Johnson's rule, composite jobs and the relocation problem. <i>European Journal of Operational Research</i> , 2009, 192, 1008-1013.	5.7	13
41	Batch scheduling in differentiation flow shops for makespan minimisation. <i>International Journal of Production Research</i> , 2013, 51, 5073-5082.	7.5	13
42	Sequence optimization for media objects with due date constraints in multimedia presentations from digital libraries. <i>Information Systems</i> , 2013, 38, 82-96.	3.6	13
43	Scheduling in the two-machine flowshop with due date constraints. <i>International Journal of Production Economics</i> , 2001, 70, 117-123.	8.9	12
44	Scheduling for fabrication and assembly in a two-machine flowshop with a fixed job sequence. <i>Annals of Operations Research</i> , 2014, 217, 263-279.	4.1	12
45	Survey and extensions of manufacturing models in two-stage flexible flow shops with dedicated machines. <i>Computers and Operations Research</i> , 2018, 98, 103-112.	4.0	12
46	Scheduling step-deteriorating jobs to minimize the total completion time. <i>Computers and Industrial Engineering</i> , 2020, 144, 106329.	6.3	12
47	Ant colony optimization for dynamic routing and wavelength assignment in WDM networks with sparse wavelength conversion. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 295-305.	8.1	11
48	Total completion time minimization in two-machine flow shop scheduling problems with a fixed job sequence. <i>Discrete Optimization</i> , 2012, 9, 29-39.	0.9	11
49	A SIMPLE LOWER BOUND FOR TOTAL COMPLETION TIME MINIMIZATION IN A TWO-MACHINE FLOWSHOP. <i>Asia-Pacific Journal of Operational Research</i> , 2005, 22, 391-407.	1.3	10
50	A branch-and-bound algorithm for makespan minimization in differentiation flow shops. <i>Engineering Optimization</i> , 2013, 45, 1397-1408.	2.6	10
51	Server scheduling on parallel dedicated machines with fixed job sequences. <i>Naval Research Logistics</i> , 2019, 66, 321-332.	2.2	10
52	Fabrication scheduling on a single machine with due date constraints. <i>European Journal of Operational Research</i> , 2002, 136, 95-105.	5.7	9
53	Minimizing the total weighted completion time in the relocation problem. <i>Journal of Scheduling</i> , 2010, 13, 123-129.	1.9	9
54	Two-stage flow shop scheduling with dedicated machines. <i>International Journal of Production Research</i> , 2015, 53, 1094-1097.	7.5	9

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55	Preemptive parallel-machine scheduling problem of maximizing the number of on-time jobs. <i>Journal of Scheduling</i> , 2019, 22, 413-431.	1.9	9
56	Fabrication and assembly scheduling in a two-machine flowshop. <i>IIE Transactions</i> , 2002, 34, 1015-1020.	2.1	8
57	On relocation problems with multiple identical working crews. <i>Discrete Optimization</i> , 2006, 3, 366-381.	0.9	8
58	A note on parallel-machine scheduling with deteriorating jobs. <i>Journal of the Operational Research Society</i> , 2007, 58, 824-826.	3.4	8
59	Relocation scheduling subject to fixed processing sequences. <i>Journal of Scheduling</i> , 2016, 19, 153-163.	1.9	8
60	Minimizing the weighted number of tardy jobs and maximum tardiness in relocation problem with due date constraints. <i>European Journal of Operational Research</i> , 1999, 116, 183-193.	5.7	7
61	Scheduling with centralized and decentralized batching policies in concurrent open shops. <i>Naval Research Logistics</i> , 2011, 58, 17-27.	2.2	7
62	Preemptive parallel-machine scheduling with a common server to minimize makespan. <i>Naval Research Logistics</i> , 2017, 64, 388-398.	2.2	7
63	Generating the best K sequences in relocation problems. <i>European Journal of Operational Research</i> , 1993, 69, 131-137.	5.7	6
64	Maximizing the reward in the relocation problem with generalized due dates. <i>International Journal of Production Economics</i> , 2008, 115, 55-63.	8.9	6
65	Parallel dedicated machine scheduling with conflict graphs. <i>Computers and Industrial Engineering</i> , 2018, 124, 316-321.	6.3	6
66	Clarification of lower bounds of two-machine flow-shop scheduling to minimize total late work. <i>Engineering Optimization</i> , 2019, 51, 1279-1280.	2.6	6
67	Two-machine flow shop scheduling with a common due date to maximize total early work. <i>European Journal of Operational Research</i> , 2022, 300, 504-511.	5.7	6
68	On the relocation problem with a second working crew for resource recycling. <i>International Journal of Systems Science</i> , 2006, 37, 27-34.	5.5	5
69	A scheduling model for the refurbishing process in recycling management. <i>International Journal of Production Research</i> , 2013, 51, 7120-7139.	7.5	5
70	Two-stage flexible flow shop scheduling subject to fixed job sequences. <i>Journal of the Operational Research Society</i> , 2016, 67, 506-515.	3.4	5
71	Demonstrating Johnson's algorithm via resource-constrained scheduling. <i>International Journal of Production Research</i> , 2017, 55, 3326-3330.	7.5	5
72	Two-machine flowshop scheduling with three-operation jobs subject to a fixed job sequence. <i>Journal of Scheduling</i> , 2017, 20, 293-302.	1.9	5

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73	Dynamic multicast routing under delay constraints in WDM networks with heterogeneous light splitting capabilities. <i>Computer Communications</i> , 2006, 29, 1492-1503.	5.1	4
74	Sequence-dependent scheduling with order deliveries. <i>Applied Mathematics and Computation</i> , 2013, 222, 58-71.	2.2	4
75	Acquisition planning and scheduling of computing resources. <i>Computers and Operations Research</i> , 2016, 76, 167-182.	4.0	4
76	Complexity of server scheduling on parallel dedicated machines subject to fixed job sequences. <i>Journal of the Operational Research Society</i> , 2020, , 1-4.	3.4	4
77	Tight complexity analysis of the relocation problem with arbitrary release dates. <i>Theoretical Computer Science</i> , 2011, 412, 4536-4544.	0.9	3
78	Two-machine flow shop scheduling of polyurethane foam production. <i>International Journal of Production Economics</i> , 2013, 141, 286-294.	8.9	3
79	Discrete Particle Swarm Optimization with Scout Particles for Library Materials Acquisition. <i>Scientific World Journal</i> , The, 2013, 2013, 1-11.	2.1	3
80	Resource-constrained scheduling with optional recycling operations. <i>Computers and Industrial Engineering</i> , 2015, 90, 39-45.	6.3	3
81	Scheduling of Anaesthesia Operations in Operating Rooms. <i>Healthcare (Switzerland)</i> , 2021, 9, 640.	2.0	3
82	Single-machine scheduling with supporting tasks. <i>Discrete Optimization</i> , 2015, 17, 69-79.	0.9	2
83	Minimizing machine assignment costs over $\hat{P}^m$ -approximate solutions of the scheduling problem $P  C_{max}$ . <i>Theoretical Computer Science</i> , 2019, 793, 70-78.	0.9	2
84	Relocation Scheduling in a Two-Machine Flow Shop with Resource Recycling Operations. <i>Mathematics</i> , 2021, 9, 1527.	2.2	2
85	On the variable-depth-search heuristic for the linear-cost generalized assignment problem. <i>International Journal of Computer Mathematics</i> , 2001, 77, 535-544.	1.8	1
86	Discrete Particle Swarm Optimization for Materials Budget Allocation in Academic Libraries. , 2010, , .		1
87	A note on network repair crew scheduling and routing for emergency relief distribution problem. <i>Journal of Industrial and Management Optimization</i> , 2019, 15, 1729-1731.	1.3	1
88	An application of parallel virtual machine framework to film production problem. <i>Computers and Mathematics With Applications</i> , 2000, 39, 53-62.	2.7	0
89	An evolutionary approach to library materials acquisition problems. , 2010, , .		0
90	Two-machine flowshop scheduling with supportive constraints. , 2010, , .		0

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91	Applying DPSO with dynamic diversity to books selection problem. , 2011, , .		0
92	Discrete particle swarm optimization for materials acquisition in multi-unit libraries. , 2012, , .		0
93	Minimizing talent cost and operating cost in film production. Journal of Industrial and Production Engineering, 0, , 1-15.	3.1	0
94	Flow shop non-idle scheduling and resource-constrained scheduling. Annals of Operations Research, 2016, 238, 577-585.	4.1	0
95	Relocation scheduling with optional recycling operations. , 2016, , .		0