

List of Publications by Citations

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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.

81 papers	2,804 citations	32 h-index	51 g-index
85 ext. papers	3,308 ext. citations	5.7 avg, IF	5.98 L-index

#	Paper	IF	Citations
81	Review and classification of hybrid flow shop scheduling problems from a production system and a solutions procedure perspective. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 1439-1454	4.6	277
80	A bounded-search iterated greedy algorithm for the distributed permutation flowshop scheduling problem. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 1111-1123	7.8	123
79	Approximative procedures for no-wait job shop scheduling. <i>Operations Research Letters</i> , <b>2003</b> , 31, 308-318		109
78	A common framework and taxonomy for multicriteria scheduling problems with interfering and competing jobs: Multi-agent scheduling problems. <i>European Journal of Operational Research</i> , <b>2014</b> , 235, 1-16	5.6	103
77	The CONWIP production control system: Review and research issues. <i>Production Planning and Control</i> , <b>2003</b> , 14, 255-265	4.3	99
76	A new vision of approximate methods for the permutation flowshop to minimise makespan: State-of-the-art and computational evaluation. <i>European Journal of Operational Research</i> , <b>2017</b> , 257, 707-721	5.6	98
75	Efficient heuristics for flowshop sequencing with the objectives of makespan and flowtime minimisation. <i>European Journal of Operational Research</i> , <b>2002</b> , 141, 559-569	5.6	92
74	On insertion tie-breaking rules in heuristics for the permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , <b>2014</b> , 45, 60-67	4.6	90
73	Comparison of heuristics for flowtime minimisation in permutation flowshops. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 1237-1254	4.6	89
72	New hard benchmark for flowshop scheduling problems minimising makespan. <i>European Journal of Operational Research</i> , <b>2015</b> , 240, 666-677	5.6	88
71	On the Bullwhip Avoidance Phase: The Synchronised Supply Chain. <i>European Journal of Operational Research</i> , <b>2012</b> , 221, 49-63	5.6	80
70	Closed-loop supply chains: What reverse logistics factors influence performance?. <i>International Journal of Production Economics</i> , <b>2016</b> , 175, 35-49	9.3	76
69	The distributed permutation flow shop to minimise the total flowtime. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 118, 464-477	6.4	71
68	On bullwhip-limiting strategies in divergent supply chain networks. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 73, 85-95	6.4	59
67	NEH-based heuristics for the permutation flowshop scheduling problem to minimise total tardiness. <i>Computers and Operations Research</i> , <b>2015</b> , 60, 27-36	4.6	55
66	The effect of Inventory Record Inaccuracy in Information Exchange Supply Chains. <i>European Journal of Operational Research</i> , <b>2015</b> , 243, 120-129	5.6	53
65	Architecture of manufacturing scheduling systems: Literature review and an integrated proposal. <i>European Journal of Operational Research</i> , <b>2010</b> , 205, 237-246	5.6	51

64	Evaluating the performance for makespan minimisation in no-wait flowshop sequencing. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 197, 1-9	5.3	51
63	Deterministic assembly scheduling problems: A review and classification of concurrent-type scheduling models and solution procedures. <i>European Journal of Operational Research</i> , <b>2019</b> , 273, 401-417	5.6	51
62	An enhanced timetabling procedure for the no-wait job shop problem: a complete local search approach. <i>Computers and Operations Research</i> , <b>2006</b> , 33, 1200-1213	4.6	44
61	Manufacturing Scheduling Systems <b>2014</b> ,		41
60	The impact of the supply chain structure on bullwhip effect. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 7309-7325	4.5	40
59	Inventory policies and information sharing in multi-echelon supply chains. <i>Production Planning and Control</i> , <b>2011</b> , 22, 649-659	4.3	40
58	A multi-objective iterated greedy search for flowshop scheduling with makespan and flowtime criteria. <i>OR Spectrum</i> , <b>2008</b> , 30, 787-804	1.9	39
57	Serial vs. divergent supply chain networks: a comparative analysis of the bullwhip effect. <i>International Journal of Production Research</i> , <b>2014</b> , 52, 2194-2210	7.8	37
56	Iterated-greedy-based algorithms with beam search initialization for the permutation flowshop to minimise total tardiness. <i>Expert Systems With Applications</i> , <b>2018</b> , 94, 58-69	7.8	36
55	Token-based pull production control systems: an introductory overview. <i>Journal of Intelligent Manufacturing</i> , <b>2012</b> , 23, 5-22	6.7	36
54	Guidelines for the deployment and implementation of manufacturing scheduling systems. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 1799-1812	7.8	35
53	Efficient heuristics for the hybrid flow shop scheduling problem with missing operations. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 115, 88-99	6.4	34
52	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. <i>Simulation Modelling Practice and Theory</i> , <b>2018</b> , 86, 55-71	3.9	34
51	Using real-time information to reschedule jobs in a flowshop with variable processing times. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 129, 113-125	6.4	33
50	Dynamic card controlling in a Conwip system. <i>International Journal of Production Economics</i> , <b>2006</b> , 99, 102-116	9.3	33
49	A new set of high-performing heuristics to minimise flowtime in permutation flowshops. <i>Computers and Operations Research</i> , <b>2015</b> , 53, 68-80	4.6	32
48	A computational evaluation of constructive and improvement heuristics for the blocking flow shop to minimise total flowtime. <i>Expert Systems With Applications</i> , <b>2016</b> , 61, 290-301	7.8	30
47	Inventory record inaccuracy The impact of structural complexity and lead time variability. <i>Omega</i> , <b>2017</b> , 68, 123-138	7.2	30

46	On heuristic solutions for the stochastic flowshop scheduling problem. <i>European Journal of Operational Research</i> , <b>2015</b> , 246, 413-420	5.6	28
45	A heuristic for scheduling a permutation flowshop with makespan objective subject to maximum tardiness. <i>International Journal of Production Economics</i> , <b>2006</b> , 99, 28-40	9.3	28
44	A beam-search-based constructive heuristic for the PFSP to minimise total flowtime. <i>Computers and Operations Research</i> , <b>2017</b> , 81, 167-177	4.6	25
43	Capacity restrictions and supply chain performance: Modelling and analysing load-dependent lead times. <i>International Journal of Production Economics</i> , <b>2018</b> , 204, 264-277	9.3	25
42	Input control and dispatching rules in a dynamic CONWIP flow-shop. <i>International Journal of Production Research</i> , <b>2000</b> , 38, 4589-4598	7.8	25
41	On the dynamics of closed-loop supply chains with capacity constraints. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 128, 91-103	6.4	25
40	On returns and network configuration in supply chain dynamics. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2015</b> , 73, 152-167	9	23
39	Efficiency of the solution representations for the hybrid flow shop scheduling problem with makespan objective. <i>Computers and Operations Research</i> , <b>2019</b> , 109, 77-88	4.6	21
38	New efficient constructive heuristics for the hybrid flowshop to minimise makespan: A computational evaluation of heuristics. <i>Expert Systems With Applications</i> , <b>2018</b> , 114, 345-356	7.8	21
37	An IT-enabled supply chain model: a simulation study. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 2327-2341	2.3	21
36	On the dynamics of closed-loop supply chains under remanufacturing lead time variability. <i>Omega</i> , <b>2020</b> , 97, 102106	7.2	21
35	Efficient non-population-based algorithms for the permutation flowshop scheduling problem with makespan minimisation subject to a maximum tardiness. <i>Computers and Operations Research</i> , <b>2015</b> , 64, 86-96	4.6	20
34	Scheduling permutation flowshops with initial availability constraint: Analysis of solutions and constructive heuristics. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 2866-2876	4.6	19
33	Quantifying the Bullwhip Effect in closed-loop supply chains: The interplay of information transparencies, return rates, and lead times. <i>International Journal of Production Economics</i> , <b>2020</b> , 230, 107798	9.3	18
32	Sequencing CONWIP flow-shops: Analysis and heuristics. <i>International Journal of Production Research</i> , <b>2001</b> , 39, 2735-2749	7.8	17
31	A best-of-breed iterated greedy for the permutation flowshop scheduling problem with makespan objective. <i>Computers and Operations Research</i> , <b>2019</b> , 112, 104767	4.6	16
30	A decision management tool: modelling the order fulfilment process by multi-agent systems. <i>International Journal of Management and Decision Making</i> , <b>2013</b> , 12, 240	0.4	15
29	The pull evolution: from Kanban to customised token-based systems. <i>Production Planning and Control</i> , <b>2009</b> , 20, 276-287	4.3	14

28	A review and classification of computer-based manufacturing scheduling tools. <i>Computers and Industrial Engineering</i> , <b>2016</b> , 99, 229-249	6.4	14
27	Remanufacturing configuration in complex supply chains. <i>Omega</i> , <b>2021</b> , 101, 102268	7.2	14
26	Generalised accelerations for insertion-based heuristics in permutation flowshop scheduling. <i>European Journal of Operational Research</i> , <b>2020</b> , 282, 858-872	5.6	13
25	Setting a common due date in a constrained flowshop: A variable neighbourhood search approach. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 1740-1748	4.6	12
24	New efficient constructive heuristics for the two-stage multi-machine assembly scheduling problem. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 140, 106223	6.4	11
23	Efficient constructive and composite heuristics for the Permutation Flowshop to minimise total earliness and tardiness. <i>Computers and Operations Research</i> , <b>2016</b> , 75, 38-48	4.6	10
22	Proportional order-up-to policies for closed-loop supply chains: the dynamic effects of inventory controllers. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 3323-3337	7.8	8
21	Design of a testbed for hybrid flow shop scheduling with identical machines. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 141, 106288	6.4	7
20	Reduction of permutation flowshop problems to single machine problems using machine dominance relations. <i>Computers and Operations Research</i> , <b>2017</b> , 77, 96-110	4.6	6
19	Assessing scheduling policies in a permutation flowshop with common due dates. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 5742-5754	7.8	5
18	Analysing the impact of production control policies on the dynamics of a two-product supply chain with capacity constraints. <i>International Journal of Production Research</i> , 1-25	7.8	5
17	Permutation flowshop scheduling with periodic maintenance and makespan objective. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 143, 106369	6.4	4
16	Single machine interfering jobs problem with flowtime objective. <i>Journal of Intelligent Manufacturing</i> , <b>2018</b> , 29, 953-972	6.7	3
15	The value of real-time data in stochastic flowshop scheduling: A simulation study for makespan <b>2017</b> ,		3
14	A proposal for a hybrid meta-strategy for combinatorial optimization problems. <i>Journal of Heuristics</i> , <b>2008</b> , 14, 375-390	1.9	3
13	The implications of batching in the bullwhip effect and customer service of closed-loop supply chains. <i>International Journal of Production Economics</i> , <b>2021</b> , 244, 108379	9.3	3
12	A critical-path based iterated local search for the green permutation flowshop problem. <i>Computers and Industrial Engineering</i> , <b>2022</b> , 169, 108276	6.4	3
11	Hybrid flow shop with multiple servers: A computational evaluation and efficient divide-and-conquer heuristics. <i>Expert Systems With Applications</i> , <b>2020</b> , 153, 113462	7.8	2

10	Available-To-Promise systems in the semiconductor industry: A review of contributions and a preliminary experiment <b>2016</b> ,		2
9	New efficient heuristics for scheduling open shops with makespan minimization. <i>Computers and Operations Research</i> , <b>2022</b> , 142, 105744	4.6	2
8	<b>2016</b> ,		1
7	Linking Scheduling Criteria to Shop Floor Performance in Permutation Flowshops. <i>Algorithms</i> , <b>2019</b> , 12, 263	1.8	1
6	Overview of Scheduling Tools <b>2014</b> , 291-317		1
5	Information sharing in decentralised supply chains with partial collaboration. <i>Flexible Services and Manufacturing Journal</i> , 1	1.8	0
4	New hard benchmark for the 2-stage multi-machine assembly scheduling problem: Design and computational evaluation. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 158, 107364	6.4	0
3	Matheuristics for the flowshop scheduling problem with controllable processing times and limited resource consumption to minimize total tardiness. <i>Computers and Operations Research</i> , <b>2022</b> , 105880	4.6	0
2	Scheduling Constraints <b>2014</b> , 75-99		
1	Closed-Loop Supply Chain <b>2022</b> , 151-166		