

# Jose M. Framinan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7477610/jose-m-framinan-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

135  
papers

3,930  
citations

35  
h-index

57  
g-index

145  
ext. papers

4,618  
ext. citations

5.3  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
135	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
134	A review and classification of heuristics for permutation flow-shop scheduling with makespan objective. <i>Journal of the Operational Research Society</i> , <b>2004</b> , 55, 1243-1255	2	185
133	An efficient constructive heuristic for flowtime minimisation in permutation flow shops. <i>Omega</i> , <b>2003</b> , 31, 311-317	7.2	135
132	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
131	Different initial sequences for the heuristic of Nawaz, Ensore and Ham to minimize makespan, idletime or flowtime in the static permutation flowshop sequencing problem. <i>International Journal of Production Research</i> , <b>2003</b> , 41, 121-148	7.8	111
130	Approximative procedures for no-wait job shop scheduling. <i>Operations Research Letters</i> , <b>2003</b> , 31, 308-318		109
129	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
128	The CONWIP production control system: Review and research issues. <i>Production Planning and Control</i> , <b>2003</b> , 14, 255-265	4.3	99
127	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
126	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
125	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
124	Comparison of heuristics for flowtime minimisation in permutation flowshops. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 1237-1254	4.6	89
123	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
122	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
121	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
120	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
119	Metrics for bullwhip effect analysis. <i>Journal of the Operational Research Society</i> , <b>2013</b> , 64, 1-16	2	69

118	On bullwhip-limiting strategies in divergent supply chain networks. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 73, 85-95	6.4	59
117	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
116	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
115	Total tardiness minimization in permutation flow shops: a simple approach based on a variable greedy algorithm. <i>International Journal of Production Research</i> , <b>2008</b> , 46, 6479-6498	7.8	53
114	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
113	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
112	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
111	Integrated operating room planning and scheduling problem with assistant surgeon dependent surgery durations. <i>Computers and Industrial Engineering</i> , <b>2015</b> , 82, 8-20	6.4	47
110	An efficient heuristic for total flowtime minimisation in no-wait flowshops. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 46, 1049-1057	3.2	45
109	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
108	Manufacturing Scheduling Systems <b>2014</b> ,		41
107	The impact of the supply chain structure on bullwhip effect. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 7309-7325	4.5	40
106	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
105	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
104	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
103	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
102	Token-based pull production control systems: an introductory overview. <i>Journal of Intelligent Manufacturing</i> , <b>2012</b> , 23, 5-22	6.7	36
101	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

100	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
99	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
98	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
97	Dynamic card controlling in a Conwip system. <i>International Journal of Production Economics</i> , <b>2006</b> , 99, 102-116	9.3	33
96	A genetic algorithm for scheduling open shops with sequence-dependent setup times. <i>Computers and Operations Research</i> , <b>2020</b> , 113, 104793	4.6	33
95	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
94	Information sharing in supply chains with heterogeneous retailers. <i>Omega</i> , <b>2018</b> , 79, 116-132	7.2	32
93	A Decision Support System for Operating Room scheduling. <i>Computers and Industrial Engineering</i> , <b>2015</b> , 88, 430-443	6.4	31
92	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
91	Inventory record inaccuracy □ The impact of structural complexity and lead time variability. <i>Omega</i> , <b>2017</b> , 68, 123-138	7.2	30
90	Available-to-promise (ATP) systems: a classification and framework for analysis. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 3079-3103	7.8	29
89	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
88	New approximate algorithms for the customer order scheduling problem with total completion time objective. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 181-192	4.6	28
87	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
86	OVAP: A strategy to implement partial information sharing among supply chain retailers. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2018</b> , 110, 122-136	9	26
85	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
84	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
83	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

82	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
81	The 2-stage assembly flowshop scheduling problem with total completion time: Efficient constructive heuristic and metaheuristic. <i>Computers and Operations Research</i> , <b>2017</b> , 88, 237-246	4.6	24
80	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
79	New heuristics for planning operating rooms. <i>Computers and Industrial Engineering</i> , <b>2015</b> , 90, 429-443	6.4	22
78	A stochastic approach for solving the operating room scheduling problem. <i>Flexible Services and Manufacturing Journal</i> , <b>2018</b> , 30, 224-251	1.8	22
77	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
76	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
75	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
74	On the dynamics of closed-loop supply chains under remanufacturing lead time variability. <i>Omega</i> , <b>2020</b> , 97, 102106	7.2	21
73	Constructive heuristics for the unrelated parallel machines scheduling problem with machine eligibility and setup times. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 131, 131-145	6.4	20
72	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
71	Order scheduling with tardiness objective: Improved approximate solutions. <i>European Journal of Operational Research</i> , <b>2018</b> , 266, 840-850	5.6	20
70	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
69	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
68	Sequencing CONWIP flow-shops: Analysis and heuristics. <i>International Journal of Production Research</i> , <b>2001</b> , 39, 2735-2749	7.8	17
67	Single machine scheduling with periodic machine availability. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 123, 180-188	6.4	17
66	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
65	Special issue on pull strategies in manufacturing systems and supply chains: recent advances. <i>Journal of Intelligent Manufacturing</i> , <b>2012</b> , 23, 1-3	6.7	15

64	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
63	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
62	On the link between inventory and responsiveness in multi-product supply chains. <i>International Journal of Systems Science</i> , <b>2008</b> , 39, 677-688	2.3	14
61	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
60	Remanufacturing configuration in complex supply chains. <i>Omega</i> , <b>2021</b> , 101, 102268	7.2	14
59	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
58	Solving the hybrid flow shop scheduling problem with limited human resource constraint. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 146, 106545	6.4	12
57	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
56	A multi-objective comparison of dispatching rules in a drum-buffer-rope production control system. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2010</b> , 23, 155-167	4.3	11
55	A fitness-based weighting mechanism for multicriteria flowshop scheduling using genetic algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 43, 939-948	3.2	11
54	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
53	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
52	Integrated project scheduling and staff assignment with controllable processing times. <i>Scientific World Journal</i> , <b>2014</b> , 2014, 924120	2.2	10
51	XPDL project: Improving the project documentation quality in the Spanish architectural, engineering and construction sector. <i>Automation in Construction</i> , <b>2010</b> , 19, 270-282	9.6	9
50	An adaptive branch and bound approach for transforming job shops into flow shops. <i>Computers and Industrial Engineering</i> , <b>2007</b> , 52, 1-10	6.4	9
49	Relationship between common objective functions, idle time and waiting time in permutation flow shop scheduling. <i>Computers and Operations Research</i> , <b>2020</b> , 121, 104965	4.6	8
48	A methodology for the design and operation of pull-based supply chains. <i>Journal of Manufacturing Technology Management</i> , <b>2013</b> , 24, 307-330	7.1	8
47	On transforming job-shops into flow-shops. <i>Production Planning and Control</i> , <b>2002</b> , 13, 166-174	4.3	8

46	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
45	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
44	A response surface methodology for parameter setting in a dynamic Conwip production control system. <i>International Journal of Manufacturing Technology and Management</i> , <b>2011</b> , 23, 16	0.4	7
43	Efficient heuristic approaches to transform job shops into flow shops. <i>IIE Transactions</i> , <b>2005</b> , 37, 441-451		7
42	Exploring a two-product unreliable manufacturing system as a capacity constraint for a two-echelon supply chain dynamic problem. <i>International Journal of Production Research</i> , <b>2020</b> , 1-29	7.8	6
41	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
40	Controllable Processing Times in Project and Production Management: Analysing the Trade-Off between Processing Times and the Amount of Resources. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-19	1.1	6
39	Demand Sharing Inaccuracies in Supply Chains: A Simulation Study. <i>Complexity</i> , <b>2018</b> , 2018, 1-13	1.6	5
38	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
37	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
36	SCOPE: A Multi-Agent system tool for supply chain network analysis <b>2015</b> ,		4
35	Turbulence in Market Demand on Supply Chain Networks. <i>International Journal of Simulation Modelling</i> , <b>2016</b> , 15, 450-459	2.5	4
34	Single machine interfering jobs problem with flowtime objective. <i>Journal of Intelligent Manufacturing</i> , <b>2018</b> , 29, 953-972	6.7	3
33	A Decision-Making Tool for a Regional Network of Clinical Laboratories. <i>Interfaces</i> , <b>2013</b> , 43, 360-372	0.7	3
32	The value of real-time data in stochastic flowshop scheduling: A simulation study for makespan <b>2017</b> ,		3
31	A Simulation Optimization Approach for Reactive ConWIP Systems <b>2013</b> ,		3
30	A note on a DSS approach to managing customer enquiries for SMEs at the customer level enquiry stage <i>International Journal of Production Economics</i> , <b>2007</b> , 109, 254-255	9.3	3
29	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

28	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
27	Exploring the benefits of scheduling with advanced and real-time information integration in Industry 4.0: A computational study. <i>Journal of Industrial Information Integration</i> , <b>2021</b> , 100281	7	3
26	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
25	Minimization of total completion time on a batch processing machine with arbitrary release dates: an effectual teaching learning based optimization approach. <i>Production Engineering</i> , <b>2019</b> , 13, 557-566	1.9	2
24	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
23	Available-To-Promise systems in the semiconductor industry: A review of contributions and a preliminary experiment <b>2016</b> ,		2
22	Evolving Trends in Supply Chain Management: Complexity, New Technologies, and Innovative Methodological Approaches. <i>Complexity</i> , <b>2018</b> , 2018, 1-3	1.6	2
21	Optimization Customized Token-Based Production Control Systems Using Cross-Entropy <b>2007</b> , 123-131		2
20	Tools for Collaborative Business Process T Modeling <b>2008</b> , 1643-1652		2
19	New efficient heuristics for scheduling open shops with makespan minimization. <i>Computers and Operations Research</i> , <b>2022</b> , 142, 105744	4.6	2
18	On the evaluation of arborescent supply chains with inventory errors <b>2015</b> ,		1
17	Handling variability for robust order promising and fulfilment <b>2009</b> ,		1
16	Tools for Collaborative Business Process T Modeling <b>2010</b> , 636-648		1
15	<b>2016</b> ,		1
14	Linking Scheduling Criteria to Shop Floor Performance in Permutation Flowshops. <i>Algorithms</i> , <b>2019</b> , 12, 263	1.8	1
13	Constructive heuristics for the minimization of core waiting time in permutation flow shop problems <b>2019</b> ,		1
12	Overview of Scheduling Tools <b>2014</b> , 291-317		1
11	Information sharing in decentralised supply chains with partial collaboration. <i>Flexible Services and Manufacturing Journal</i> , 1	1.8	0



- 10 Matheuristics for the flowshop scheduling problem with controllable processing times and limited resource consumption to minimize total tardiness. *Computers and Operations Research*, **2022**, 105880 4.6 ○
- 9 Guidelines for Developing Scheduling Systems **2014**, 353-369
- 8 THE ROLE OF INVENTORY IN ENABLING SUPPLY CHAIN RESPONSIVENESS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 309-314
- 7 Collaborative Healthcare Process Modelling: A Case Study **2005**, 395-402
- 6 Diversity of Processing Times in Permutation Flow Shop Scheduling Problems. *Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR*, **2020**, 555-561 0.1
- 5 Scheduling Constraints **2014**, 75-99
- 4 Closed-Loop Supply Chain **2022**, 151-166
- 3 Enriching SC Models **2022**, 123-149
- 2 The Effect of the Quality of Information in SCD **2022**, 85-121
- 1 Modelling Complex SC Structures **2022**, 167-183