Victor Fernandez-Viagas

List of Publications by Year
in descending order

42	1,549	304368 22	301761 39
papers	citations	h-index	g-index

42	42	42	734
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A bounded-search iterated greedy algorithm for the distributed permutation flowshop scheduling problem. International Journal of Production Research, 2015, 53, 1111-1123.	4.9	170
2	A new vision of approximate methods for the permutation flowshop to minimise makespan: State-of-the-art and computational evaluation. European Journal of Operational Research, 2017, 257, 707-721.	3.5	155
3	The distributed permutation flow shop to minimise the total flowtime. Computers and Industrial Engineering, 2018, 118, 464-477.	3.4	122
4	On insertion tie-breaking rules in heuristics for the permutation flowshop scheduling problem. Computers and Operations Research, 2014, 45, 60-67.	2.4	119
5	Deterministic assembly scheduling problems: A review and classification of concurrent-type scheduling models and solution procedures. European Journal of Operational Research, 2019, 273, 401-417.	3.5	86
6	NEH-based heuristics for the permutation flowshop scheduling problem to minimise total tardiness. Computers and Operations Research, 2015, 60, 27-36.	2.4	70
7	Integrated operating room planning and scheduling problem with assistant surgeon dependent surgery durations. Computers and Industrial Engineering, 2015, 82, 8-20.	3.4	60
8	Efficient heuristics for the hybrid flow shop scheduling problem with missing operations. Computers and Industrial Engineering, 2018, 115, 88-99.	3.4	53
9	Iterated-greedy-based algorithms with beam search initialization for the permutation flowshop to minimise total tardiness. Expert Systems With Applications, 2018, 94, 58-69.	4.4	53
10	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. Simulation Modelling Practice and Theory, 2018, 86, 55-71.	2.2	53
11	Using real-time information to reschedule jobs in a flowshop with variable processing times. Computers and Industrial Engineering, 2019, 129, 113-125.	3.4	52
12	Efficiency of the solution representations for the hybrid flow shop scheduling problem with makespan objective. Computers and Operations Research, 2019, 109, 77-88.	2.4	52
13	A Decision Support System for Operating Room scheduling. Computers and Industrial Engineering, 2015, 88, 430-443.	3.4	45
14	A new set of high-performing heuristics to minimise flowtime in permutation flowshops. Computers and Operations Research, 2015, 53, 68-80.	2.4	42
15	New efficient constructive heuristics for the hybrid flowshop to minimise makespan: A computational evaluation of heuristics. Expert Systems With Applications, 2018, 114, 345-356.	4.4	37
16	A computational evaluation of constructive and improvement heuristics for the blocking flow shop to minimise total flowtime. Expert Systems With Applications, 2016, 61, 290-301.	4.4	34
17	Generalised accelerations for insertion-based heuristics in permutation flowshop scheduling. European Journal of Operational Research, 2020, 282, 858-872.	3.5	33
18	Constructive heuristics for the unrelated parallel machines scheduling problem with machine eligibility and setup times. Computers and Industrial Engineering, 2019, 131, 131-145.	3.4	31

#	ARTICLE	IF	CITATIONS
19	Solving the hybrid flow shop scheduling problem with limited human resource constraint. Computers and Industrial Engineering, 2020, 146, 106545.	3.4	31
20	A best-of-breed iterated greedy for the permutation flowshop scheduling problem with makespan objective. Computers and Operations Research, 2019, 112, 104767.	2.4	28
21	A beam-search-based constructive heuristic for the PFSP to minimise total flowtime. Computers and Operations Research, 2017, 81, 167-177.	2.4	27
22	Efficient non-population-based algorithms for the permutation flowshop scheduling problem with makespan minimisation subject to a maximum tardiness. Computers and Operations Research, 2015, 64, 86-96.	2.4	22
23	New efficient constructive heuristics for the two-stage multi-machine assembly scheduling problem. Computers and Industrial Engineering, 2020, 140, 106223.	3.4	19
24	Permutation flowshop scheduling with periodic maintenance and makespan objective. Computers and Industrial Engineering, 2020, 143, 106369.	3.4	19
25	Design of a testbed for hybrid flow shop scheduling with identical machines. Computers and Industrial Engineering, 2020, 141, 106288.	3.4	18
26	Integrated Project Scheduling and Staff Assignment with Controllable Processing Times. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	13
27	Exploring the benefits of scheduling with advanced and real-time information integration in Industry 4.0: A computational study. Journal of Industrial Information Integration, 2022, 27, 100281.	4.3	13
28	A speed-up procedure for the hybrid flow shop scheduling problem. Expert Systems With Applications, 2022, 187, 115903.	4.4	13
29	Efficient constructive and composite heuristics for the Permutation Flowshop to minimise total earliness and tardiness. Computers and Operations Research, 2016, 75, 38-48.	2.4	12
30	Assembly flowshop scheduling problem: Speed-up procedure and computational evaluation. European Journal of Operational Research, 2022, 299, 869-882.	3.5	11
31	Controllable Processing Times in Project and Production Management: Analysing the Trade-Off between Processing Times and the Amount of Resources. Mathematical Problems in Engineering, 2015, 2015, 1-19.	0.6	9
32	A critical-path based iterated local search for the green permutation flowshop problem. Computers and Industrial Engineering, 2022, 169, 108276.	3.4	9
33	Two novel population based algorithms for the single machine scheduling problem with sequence dependent setup times and release times. Swarm and Evolutionary Computation, 2021, 63, 100869.	4.5	8
34	A modified harmony search for the T-single machine scheduling problem with variable and flexible maintenance. Expert Systems With Applications, 2022, 198, 116897.	4.4	8
35	Reduction of permutation flowshop problems to single machine problems using machine dominance relations. Computers and Operations Research, 2017, 77, 96-110.	2.4	7
36	Hybrid flow shop with multiple servers: A computational evaluation and efficient divide-and-conquer heuristics. Expert Systems With Applications, 2020, 153, 113462.	4.4	5

#	Article	IF	Citations
37	Matheuristics for the flowshop scheduling problem with controllable processing times and limited resource consumption to minimize total tardiness. Computers and Operations Research, 2022, , 105880.	2.4	5
38	Combining simulation with metaheuristics in distributed scheduling problems with stochastic processing times. , 2016, , .		2
39	New hard benchmark for the 2-stage multi-machine assembly scheduling problem: Design and computational evaluation. Computers and Industrial Engineering, 2021, 158, 107364.	3.4	2
40	Constructive and composite heuristics for the 2-stage assembly scheduling problem with periodic maintenance and makespan objective. Expert Systems With Applications, 2022, 206, 117824.	4.4	1
41	Boundary lines between permutation flowshop problems and single machine problems. , 2015, , .		0
42	Influence of no-wait and time lag constraints in flowshop scheduling systems. , 2019, , .		0