

# Victor Fernandez-Viagas

## List of Publications by Year in descending order

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42  
papers

1,549  
citations

304368

22  
h-index

301761

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

734  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 27, 100281.	4.3	13
2	A speed-up procedure for the hybrid flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2022, 187, 115903.	4.4	13
3	Assembly flowshop scheduling problem: Speed-up procedure and computational evaluation. <i>European Journal of Operational Research</i> , 2022, 299, 869-882.	3.5	11
4	A modified harmony search for the T-single machine scheduling problem with variable and flexible maintenance. <i>Expert Systems With Applications</i> , 2022, 198, 116897.	4.4	8
5	Matheuristics for the flowshop scheduling problem with controllable processing times and limited resource consumption to minimize total tardiness. <i>Computers and Operations Research</i> , 2022, , 105880.	2.4	5
6	A critical-path based iterated local search for the green permutation flowshop problem. <i>Computers and Industrial Engineering</i> , 2022, 169, 108276.	3.4	9
7	Constructive and composite heuristics for the 2-stage assembly scheduling problem with periodic maintenance and makespan objective. <i>Expert Systems With Applications</i> , 2022, 206, 117824.	4.4	1
8	Two novel population based algorithms for the single machine scheduling problem with sequence dependent setup times and release times. <i>Swarm and Evolutionary Computation</i> , 2021, 63, 100869.	4.5	8
9	New hard benchmark for the 2-stage multi-machine assembly scheduling problem: Design and computational evaluation. <i>Computers and Industrial Engineering</i> , 2021, 158, 107364.	3.4	2
10	Generalised accelerations for insertion-based heuristics in permutation flowshop scheduling. <i>European Journal of Operational Research</i> , 2020, 282, 858-872.	3.5	33
11	New efficient constructive heuristics for the two-stage multi-machine assembly scheduling problem. <i>Computers and Industrial Engineering</i> , 2020, 140, 106223.	3.4	19
12	Solving the hybrid flow shop scheduling problem with limited human resource constraint. <i>Computers and Industrial Engineering</i> , 2020, 146, 106545.	3.4	31
13	Permutation flowshop scheduling with periodic maintenance and makespan objective. <i>Computers and Industrial Engineering</i> , 2020, 143, 106369.	3.4	19
14	Design of a testbed for hybrid flow shop scheduling with identical machines. <i>Computers and Industrial Engineering</i> , 2020, 141, 106288.	3.4	18
15	Hybrid flow shop with multiple servers: A computational evaluation and efficient divide-and-conquer heuristics. <i>Expert Systems With Applications</i> , 2020, 153, 113462.	4.4	5
16	A best-of-breed iterated greedy for the permutation flowshop scheduling problem with makespan objective. <i>Computers and Operations Research</i> , 2019, 112, 104767.	2.4	28
17	Using real-time information to reschedule jobs in a flowshop with variable processing times. <i>Computers and Industrial Engineering</i> , 2019, 129, 113-125.	3.4	52
18	Efficiency of the solution representations for the hybrid flow shop scheduling problem with makespan objective. <i>Computers and Operations Research</i> , 2019, 109, 77-88.	2.4	52

#	ARTICLE	IF	CITATIONS
19	Constructive heuristics for the unrelated parallel machines scheduling problem with machine eligibility and setup times. <i>Computers and Industrial Engineering</i> , 2019, 131, 131-145.	3.4	31
20	Influence of no-wait and time lag constraints in flowshop scheduling systems. , 2019, , .		0
21	Deterministic assembly scheduling problems: A review and classification of concurrent-type scheduling models and solution procedures. <i>European Journal of Operational Research</i> , 2019, 273, 401-417.	3.5	86
22	The distributed permutation flow shop to minimise the total flowtime. <i>Computers and Industrial Engineering</i> , 2018, 118, 464-477.	3.4	122
23	Efficient heuristics for the hybrid flow shop scheduling problem with missing operations. <i>Computers and Industrial Engineering</i> , 2018, 115, 88-99.	3.4	53
24	Iterated-greedy-based algorithms with beam search initialization for the permutation flowshop to minimise total tardiness. <i>Expert Systems With Applications</i> , 2018, 94, 58-69.	4.4	53
25	New efficient constructive heuristics for the hybrid flowshop to minimise makespan: A computational evaluation of heuristics. <i>Expert Systems With Applications</i> , 2018, 114, 345-356.	4.4	37
26	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. <i>Simulation Modelling Practice and Theory</i> , 2018, 86, 55-71.	2.2	53
27	A beam-search-based constructive heuristic for the PFSP to minimise total flowtime. <i>Computers and Operations Research</i> , 2017, 81, 167-177.	2.4	27
28	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> , 2017, 257, 707-721.	3.5	155
29	Reduction of permutation flowshop problems to single machine problems using machine dominance relations. <i>Computers and Operations Research</i> , 2017, 77, 96-110.	2.4	7
30	Combining simulation with metaheuristics in distributed scheduling problems with stochastic processing times. , 2016, , .		2
31	Efficient constructive and composite heuristics for the Permutation Flowshop to minimise total earliness and tardiness. <i>Computers and Operations Research</i> , 2016, 75, 38-48.	2.4	12
32	A computational evaluation of constructive and improvement heuristics for the blocking flow shop to minimise total flowtime. <i>Expert Systems With Applications</i> , 2016, 61, 290-301.	4.4	34
33	Boundary lines between permutation flowshop problems and single machine problems. , 2015, , .		0
34	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> , 2015, 2015, 1-19.	0.6	9
35	Integrated operating room planning and scheduling problem with assistant surgeon dependent surgery durations. <i>Computers and Industrial Engineering</i> , 2015, 82, 8-20.	3.4	60
36	NEH-based heuristics for the permutation flowshop scheduling problem to minimise total tardiness. <i>Computers and Operations Research</i> , 2015, 60, 27-36.	2.4	70

#	ARTICLE	IF	CITATIONS
37	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
38	A Decision Support System for Operating Room scheduling. Computers and Industrial Engineering, 2015, 88, 430-443.	3.4	45
39	A new set of high-performing heuristics to minimise flowtime in permutation flowshops. Computers and Operations Research, 2015, 53, 68-80.	2.4	42
40	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
41	Integrated Project Scheduling and Staff Assignment with Controllable Processing Times. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	13
42	On insertion tie-breaking rules in heuristics for the permutation flowshop scheduling problem. Computers and Operations Research, 2014, 45, 60-67.	2.4	119