Paz Perez-Gonzalez

List of Publications by Year
in descending order

49 papers	1,723 citations	279487 23 h-index	276539 41 g-index
51 all docs	51 docs citations	51 times ranked	768 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. Journal of Industrial Information Integration, 2022, 27, 100281.	4.3	13
2	A speed-up procedure for the hybrid flow shop scheduling problem. Expert Systems With Applications, 2022, 187, 115903.	4.4	13
3	Assembly flowshop scheduling problem: Speed-up procedure and computational evaluation. European Journal of Operational Research, 2022, 299, 869-882.	3.5	11
4	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
5	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
6	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
7	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
8	Generalised accelerations for insertion-based heuristics in permutation flowshop scheduling. European Journal of Operational Research, 2020, 282, 858-872.	3.5	33
9	New efficient constructive heuristics for the two-stage multi-machine assembly scheduling problem. Computers and Industrial Engineering, 2020, 140, 106223.	3.4	19
10	Relationship between common objective functions, idle time and waiting time in permutation flow shop scheduling. Computers and Operations Research, 2020, 121, 104965.	2.4	15
11	Permutation flowshop scheduling with periodic maintenance and makespan objective. Computers and Industrial Engineering, 2020, 143, 106369.	3.4	19
12	Design of a testbed for hybrid flow shop scheduling with identical machines. Computers and Industrial Engineering, 2020, 141, 106288.	3.4	18
13	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
14	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
15	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
16	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
17	Constructive heuristics for the minimization of core waiting time in permutation flow shop problems. , 2019, , .		1
18	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

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19	Single machine interfering jobs problem with flowtime objective. Journal of Intelligent Manufacturing, 2018, 29, 953-972.	4.4	4
20	The distributed permutation flow shop to minimise the total flowtime. Computers and Industrial Engineering, 2018, 118, 464-477.	3.4	122
21	Efficient heuristics for the hybrid flow shop scheduling problem with missing operations. Computers and Industrial Engineering, 2018, 115, 88-99.	3.4	53
22	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
23	Order scheduling with tardiness objective: Improved approximate solutions. European Journal of Operational Research, 2018, 266, 840-850.	3.5	31
24	Single machine scheduling with periodic machine availability. Computers and Industrial Engineering, 2018, 123, 180-188.	3.4	30
25	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
26	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
27	A beam-search-based constructive heuristic for the PFSP to minimise total flowtime. Computers and Operations Research, 2017, 81, 167-177.	2.4	27
28	The 2-stage assembly flowshop scheduling problem with total completion time: Efficient constructive heuristic and metaheuristic. Computers and Operations Research, 2017, 88, 237-246.	2.4	36
29	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
30	New approximate algorithms for the customer order scheduling problem with total completion time objective. Computers and Operations Research, 2017, 78, 181-192.	2.4	40
31	Reduction of permutation flowshop problems to single machine problems using machine dominance relations. Computers and Operations Research, 2017, 77, 96-110.	2.4	7
32	Simulation results of optimal solution for a multiechelon inventory system. , 2017, , .		0
33	The value of real-time data in stochastic flowshop scheduling: A simulation study for makespan. , 2017, , .		4
34	Combining simulation with metaheuristics in distributed scheduling problems with stochastic processing times. , 2016, , .		2
35	Available-To-Promise systems in the semiconductor industry: A review of contributions and a preliminary experiment. , 2016, , .		6
36	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

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37	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
38	Boundary lines between permutation flowshop problems and single machine problems. , 2015, , .		0
39	Assessing scheduling policies in a permutation flowshop with common due dates. International Journal of Production Research, 2015, 53, 5742-5754.	4.9	6
40	NEH-based heuristics for the permutation flowshop scheduling problem to minimise total tardiness. Computers and Operations Research, 2015, 60, 27-36.	2.4	70
41	On heuristic solutions for the stochastic flowshop scheduling problem. European Journal of Operational Research, 2015, 246, 413-420.	3.5	37
42	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
43	A new set of high-performing heuristics to minimise flowtime in permutation flowshops. Computers and Operations Research, 2015, 53, 68-80.	2.4	42
44	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
45	On insertion tie-breaking rules in heuristics for the permutation flowshop scheduling problem. Computers and Operations Research, 2014, 45, 60-67.	2.4	119
46	A common framework and taxonomy for multicriteria scheduling problems with interfering and competing jobs: Multi-agent scheduling problems. European Journal of Operational Research, 2014, 235, 1-16.	3.5	123
47	From competitive to collaborative supply networks: A simulation study. Applied Mathematical Modelling, 2011, 35, 1054-1064.	2.2	8
48	Setting a common due date in a constrained flowshop: A variable neighbourhood search approach. Computers and Operations Research, 2010, 37, 1740-1748.	2.4	16
49	Scheduling permutation flowshops with initial availability constraint: Analysis of solutions and constructive heuristics. Computers and Operations Research, 2009, 36, 2866-2876.	2.4	20