Rachid Benmansour

List of Publications by Year
in descending order

48 papers	314 citations	8 h-index	15 g-index
1162367			996533
50 all docs	50 docs citations	50 times ranked	254 citing authors

#	Article	IF	Citations
1	Minimizing the weighted sum of maximum earliness and maximum tardiness costs on a single machine with periodic preventive maintenance. Computers and Operations Research, 2014, 47, 106-113.	2.4	34
2	Nested general variable neighborhood search for the periodic maintenance problem. European Journal of Operational Research, 2016, 252, 385-396.	3.5	28
3	Scheduling preventive railway maintenance activities with resource constraints. Electronic Notes in Discrete Mathematics, 2017, 58, 215-222.	0.4	27
4	Modelling and solving the multi-quays berth allocation and crane assignment problem with availability constraints. Journal of Global Optimization, 2020, 78, 349-373.	1.1	18
5	Simulationâ€based approach to joint production and preventive maintenance scheduling on a failureâ€prone machine. Journal of Quality in Maintenance Engineering, 2011, 17, 254-267.	1.0	17
6	Stochastic single machine scheduling with random common due date. International Journal of Production Research, 2012, 50, 3560-3571.	4.9	15
7	Stochastic home health care routing and scheduling problem with multiple synchronized services. Annals of Operations Research, 2023, 320, 573-601.	2.6	14
8	On the single-processor scheduling problem with time restrictions. , 2014, , .		11
9	An accelerated MIP model for the single machine scheduling with preventive maintenance. IFAC-PapersOnLine, 2016, 49, 1945-1949.	0.5	10
10	Heuristics for the single machine weighted sum of completion times scheduling problem with periodic maintenance. Computational Optimization and Applications, 2020, 75, 291-320.	0.9	10
11	On the joint optimization of the periodic preventive maintenance and the spare parts inventory problem. IFAC-PapersOnLine, 2016, 49, 881-885.	0.5	9
12	Mathematical formulations for the parallel machine scheduling problem with a single server. International Journal of Production Research, 2021, 59, 6166-6184.	4.9	9
13	The single-processor scheduling problem with time restrictions: complexity and related problems. Journal of Scheduling, 2019, 22, 465-471.	1.3	8
14	A variable neighborhood search algorithm for solving the single machine scheduling problem with periodic maintenance. RAIRO - Operations Research, 2019, 53, 289-302.	1.0	8
15	Tabu search for a parallel-machine scheduling problem with periodic maintenance, job rejection and weighted sum of completion times. Journal of Scheduling, 2022, 25, 89-105.	1.3	8
16	Hardware resource utilization optimization in FPGA-based Heterogeneous MPSoC architectures. Microprocessors and Microsystems, 2015, 39, 1108-1118.	1.8	7
17	MIP formulations for identical parallel machine scheduling problem with single server. , 2018, , .		7
18	Two-machine flow shop with synchronized periodic maintenance. RAIRO - Operations Research, 2019, 53, 351-365.	1.0	6

#	Article	IF	Citations
19	Balancing preventive and corrective maintenance of aircraft assets: A cyber-physical systems approach. , 2016, , .		5
20	Variable Neighborhood Search for Identical Parallel Machine Scheduling Problem with a Single Server. Lecture Notes in Computer Science, 2020, , 112-125.	1.0	5
21	A two-stage flow shop scheduling problem with transportation considerations. 4or, 2015, 13, 381-402.	1.0	4
22	An ant colony algorithm based on opportunities for scheduling the preventive railway maintenance. , 2016, , .		4
23	Greedy heuristics for identical parallel machine scheduling problem with single server to minimize the makespan. MATEC Web of Conferences, 2018, 200, 00001.	0.1	4
24	Ant colony optimisation combined with variable neighbourhood search for scheduling preventive railway maintenance activities. International Journal of Intelligent Engineering Informatics, 2018, 6, 78.	0.1	4
25	A rolling horizon approach for the integrated multi-quays berth allocation and crane assignment problem for bulk ports. International Journal of Industrial Engineering Computations, 2019, , 577-591.	0.4	4
26	Daily Scheduling and Routing of Home Health Care with Multiple Availability Periods of Patients. Lecture Notes in Computer Science, 2020, , 178-193.	1.0	4
27	Approximation of continuous distribution via the generalized Erlang distribution. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 240-245.	0.4	3
28	A mixed integer linear programming approach for design space exploration in FPGA-based MPSoC. , 2014, , .		3
29	Design Space Exploration for Customized Asymmetric Heterogeneous MPSoC. , 2014, , .		3
30	Scheduling Optimization of the Home Health Care Problem with Stochastic Travel and Care Times. , 2020, , .		3
31	Assessing cyberâ€physical systems to balance maintenance replacement policies and optimise longâ€run average costs for aircraft assets. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 148-155.	1.9	3
32	A joint optimization-simulation model to minimize the makespan on a repairable machine. , 2015, , .		2
33	A bi-objective heuristic for heterogeneous MPSoC design space exploration. , 2015, , .		2
34	New complexity results on scheduling problem in a robotic cell. RAIRO - Operations Research, 2017, 51, 749-762.	1.0	2
35	The integrated multi-quay Berth Allocation and Crane Assignment Problem: Formulation and case study. , 2018, , .		2
36	Using a Variable Neighborhood Search to Solve the Single Processor Scheduling Problem with Time Restrictions. Lecture Notes in Computer Science, 2019, , 202-215.	1.0	2

#	Article	IF	Citations
37	Single machine scheduling problem in a Just-in-time environment. , 2011, , .		1
38	A case study of a two-stage flow shop with dedicated machines and a single robot. , 2014, , .		1
39	Framework for a Selection of Custom Instructions for Ht-MPSoC in Area-performance Aware Manner. IEEE Embedded Systems Letters, 2015, 7, 105-108.	1.3	1
40	Optimization models for train load and transport planning problems. MATEC Web of Conferences, 2018, 200, 00010.	0.1	1
41	A Variable Neighborhood Descent Heuristic for the Multi-quay Berth Allocation and Crane Assignment Problem Under Availability Constraints. Lecture Notes in Computer Science, 2019, , 232-242.	1.0	1
42	Ant colony optimisation combined with variable neighbourhood search for scheduling preventive railway maintenance activities. International Journal of Intelligent Engineering Informatics, 2018, 6, 78.	0.1	1
43	On the minimum number of resources for a perfect schedule. Central European Journal of Operations Research, 2023, 31, 191-204.	1.1	1
44	Iterative relaxation-based heuristic for the single-processor scheduling problem with time restrictions. , 2015, , .		0
45	On the single machine scheduling problem with sequence-dependent setup times and periodic maintenance. , 2018, , .		0
46	Lagrangian relaxation-based lower bound for the two-machine flow shop with synchronized periodic maintenance. , 2018, , .		0
47	A Semi Adaptive Large Neighborhood Search for the Maintenance Scheduling and Routing Problem. , 2021, , .		0
48	Preface to the special issue on variable neighborhood search. Optimization Letters, 2022, 16, 1-4.	0.9	0