

Rachid Benmansour

List of Publications by Year in descending order

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48
papers

314
citations

1162367

8
h-index

996533

15
g-index

50
all docs

50
docs citations

50
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic home health care routing and scheduling problem with multiple synchronized services. <i>Annals of Operations Research</i> , 2023, 320, 573-601.	2.6	14
2	On the minimum number of resources for a perfect schedule. <i>Central European Journal of Operations Research</i> , 2023, 31, 191-204.	1.1	1
3	Tabu search for a parallel-machine scheduling problem with periodic maintenance, job rejection and weighted sum of completion times. <i>Journal of Scheduling</i> , 2022, 25, 89-105.	1.3	8
4	Preface to the special issue on variable neighborhood search. <i>Optimization Letters</i> , 2022, 16, 1-4.	0.9	0
5	Mathematical formulations for the parallel machine scheduling problem with a single server. <i>International Journal of Production Research</i> , 2021, 59, 6166-6184.	4.9	9
6	A Semi Adaptive Large Neighborhood Search for the Maintenance Scheduling and Routing Problem. , 2021, , .		0
7	Heuristics for the single machine weighted sum of completion times scheduling problem with periodic maintenance. <i>Computational Optimization and Applications</i> , 2020, 75, 291-320.	0.9	10
8	Daily Scheduling and Routing of Home Health Care with Multiple Availability Periods of Patients. <i>Lecture Notes in Computer Science</i> , 2020, , 178-193.	1.0	4
9	Variable Neighborhood Search for Identical Parallel Machine Scheduling Problem with a Single Server. <i>Lecture Notes in Computer Science</i> , 2020, , 112-125.	1.0	5
10	Modelling and solving the multi-quays berth allocation and crane assignment problem with availability constraints. <i>Journal of Global Optimization</i> , 2020, 78, 349-373.	1.1	18
11	Scheduling Optimization of the Home Health Care Problem with Stochastic Travel and Care Times. , 2020, , .		3
12	The single-processor scheduling problem with time restrictions: complexity and related problems. <i>Journal of Scheduling</i> , 2019, 22, 465-471.	1.3	8
13	A rolling horizon approach for the integrated multi-quays berth allocation and crane assignment problem for bulk ports. <i>International Journal of Industrial Engineering Computations</i> , 2019, , 577-591.	0.4	4
14	A Variable Neighborhood Descent Heuristic for the Multi-quay Berth Allocation and Crane Assignment Problem Under Availability Constraints. <i>Lecture Notes in Computer Science</i> , 2019, , 232-242.	1.0	1
15	Two-machine flow shop with synchronized periodic maintenance. <i>RAIRO - Operations Research</i> , 2019, 53, 351-365.	1.0	6
16	Using a Variable Neighborhood Search to Solve the Single Processor Scheduling Problem with Time Restrictions. <i>Lecture Notes in Computer Science</i> , 2019, , 202-215.	1.0	2
17	A variable neighborhood search algorithm for solving the single machine scheduling problem with periodic maintenance. <i>RAIRO - Operations Research</i> , 2019, 53, 289-302.	1.0	8
18	Assessing cyber-physical systems to balance maintenance replacement policies and optimise long-run average costs for aircraft assets. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2019, 4, 148-155.	1.9	3

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Optimization models for train load and transport planning problems. MATEC Web of Conferences, 2018, 200, 00010.	0.1	1
22	On the single machine scheduling problem with sequence-dependent setup times and periodic maintenance. , 2018, , .		0
23	The integrated multi-quay Berth Allocation and Crane Assignment Problem: Formulation and case study. , 2018, , .		2
24	Lagrangian relaxation-based lower bound for the two-machine flow shop with synchronized periodic maintenance. , 2018, , .		0
25	MIP formulations for identical parallel machine scheduling problem with single server. , 2018, , .		7
26	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
27	Scheduling preventive railway maintenance activities with resource constraints. Electronic Notes in Discrete Mathematics, 2017, 58, 215-222.	0.4	27
28	New complexity results on scheduling problem in a robotic cell. RAIRO - Operations Research, 2017, 51, 749-762.	1.0	2
29	Balancing preventive and corrective maintenance of aircraft assets: A cyber-physical systems approach. , 2016, , .		5
30	On the joint optimization of the periodic preventive maintenance and the spare parts inventory problem. IFAC-PapersOnLine, 2016, 49, 881-885.	0.5	9
31	An accelerated MIP model for the single machine scheduling with preventive maintenance. IFAC-PapersOnLine, 2016, 49, 1945-1949.	0.5	10
32	An ant colony algorithm based on opportunities for scheduling the preventive railway maintenance. , 2016, , .		4
33	Nested general variable neighborhood search for the periodic maintenance problem. European Journal of Operational Research, 2016, 252, 385-396.	3.5	28
34	A joint optimization-simulation model to minimize the makespan on a repairable machine. , 2015, , .		2
35	A bi-objective heuristic for heterogeneous MPSoC design space exploration. , 2015, , .		2
36	Iterative relaxation-based heuristic for the single-processor scheduling problem with time restrictions. , 2015, , .		0

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37	Hardware resource utilization optimization in FPGA-based Heterogeneous MPSoC architectures. <i>Microprocessors and Microsystems</i> , 2015, 39, 1108-1118.	1.8	7
38	A two-stage flow shop scheduling problem with transportation considerations. <i>4or</i> , 2015, 13, 381-402.	1.0	4
39	Framework for a Selection of Custom Instructions for Ht-MPSoC in Area-performance Aware Manner. <i>IEEE Embedded Systems Letters</i> , 2015, 7, 105-108.	1.3	1
40	On the single-processor scheduling problem with time restrictions. , 2014, , .		11
41	A mixed integer linear programming approach for design space exploration in FPGA-based MPSoC. , 2014, , .		3
42	A case study of a two-stage flow shop with dedicated machines and a single robot. , 2014, , .		1
43	Minimizing the weighted sum of maximum earliness and maximum tardiness costs on a single machine with periodic preventive maintenance. <i>Computers and Operations Research</i> , 2014, 47, 106-113.	2.4	34
44	Design Space Exploration for Customized Asymmetric Heterogeneous MPSoC. , 2014, , .		3
45	Stochastic single machine scheduling with random common due date. <i>International Journal of Production Research</i> , 2012, 50, 3560-3571.	4.9	15
46	Simulation-based approach to joint production and preventive maintenance scheduling on a failure-prone machine. <i>Journal of Quality in Maintenance Engineering</i> , 2011, 17, 254-267.	1.0	17
47	Single machine scheduling problem in a Just-in-time environment. , 2011, , .		1
48	Approximation of continuous distribution via the generalized Erlang distribution. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 240-245.	0.4	3