MartÃ-n GomÃ©z Ravetti

List of Publications by Year
in descending order

48 papers	1,266 citations	361413 20 h-index	361022 35 g-index
49 all docs	49 docs citations	49 times ranked	1574 citing authors

#	Article	IF	Citations
1	Quantification of network structural dissimilarities. Nature Communications, 2017, 8, 13928.	12.8	166
2	Uncovering Molecular Biomarkers That Correlate Cognitive Decline with the Changes of Hippocampus' Gene Expression Profiles in Alzheimer's Disease. PLoS ONE, 2010, 5, e10153.	2.5	121
3	Exact algorithms for a scheduling problem with unrelated parallel machines and sequence and machine-dependent setup times. Computers and Operations Research, 2008, 35, 1250-1264.	4.0	103
4	Identification of a 5-Protein Biomarker Molecular Signature for Predicting Alzheimer's Disease. PLoS ONE, 2008, 3, e3111.	2.5	92
5	Solving parallel machines scheduling problems with sequence-dependent setup times using variable neighbourhood search. IMA Journal of Management Mathematics, 2007, 18, 101-115.	1.6	71
6	Distinguishing Noise from Chaos: Objective versus Subjective Criteria Using Horizontal Visibility Graph. PLoS ONE, 2014, 9, e108004.	2.5	69
7	Causality and the entropyâ€“complexity plane: Robustness and missing ordinal patterns. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 42-55.	2.6	64
8	Robust coordination of directional overcurrent relays using a matheuristic algorithm. IET Generation, Transmission and Distribution, 2017, 11, 464-474.	2.5	40
9	Capacitated lot sizing and sequence dependent setup scheduling: an iterative approach for integration. Journal of Scheduling, 2010, 13, 245-259.	1.9	39
10	Time series characterization via horizontal visibility graph and Information Theory. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 93-102.	2.6	37
11	A branch and price algorithm to solve the integrated production planning and scheduling in bulk ports. European Journal of Operational Research, 2017, 258, 926-937.	5.7	37
12	A hybrid Lagrangian metaheuristic for the cross-docking flow shop scheduling problem. European Journal of Operational Research, 2019, 275, 139-154.	5.7	37
13	Differences in Abundances of Cell-Signalling Proteins in Blood Reveal Novel Biomarkers for Early Detection Of Clinical Alzheimer's Disease. PLoS ONE, 2011, 6, e17481.	2.5	30
14	The AmigÃ³ paradigm of forbidden/missing patterns: a detailed analysis. European Physical Journal B, 2012, 85, 1.	1.5	29
15	Time-indexed formulation and polynomial time heuristic for a multi-dock truck scheduling problem in a cross-docking centre. Computers and Industrial Engineering, 2016, 95, 135-143.	6.3	27
16	Analyzing complex networks evolution through Information Theory quantifiers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 801-804.	2.1	26
17	Assessing diversity in multiplex networks. Scientific Reports, 2019, 9, 4511.	3.3	26
18	A hierarchical approach to solve a production planning and scheduling problem in bulk cargo terminal. Computers and Industrial Engineering, 2016, 97, 1-14.	6.3	25

#	Article	IF	Citations
19	Information theory perspective on network robustness. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 359-364.	2.1	25
20	A scheduling problem with unrelated parallel machines and sequence dependent setups. International Journal of Operational Research, 2007, 2, 380.	0.2	22
21	Structural evolution of the Tropical Pacific climate network. European Physical Journal B, 2012, 85, 1.	1.5	16
22	Quantifying instabilities in Financial Markets. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 606-615.	2.6	16
23	A non-delayed relax-and-cut algorithm for scheduling problems with parallel machines, due dates and sequence-dependent setup times. Computers and Operations Research, 2010, 37, 938-949.	4.0	15
24	Crane scheduling problem with non-interference constraints in a steel coil distribution centre. International Journal of Production Research, 2017, 55, 1607-1622.	7.5	14
25	Parallel hybrid heuristics for the permutation flow shop problem. Annals of Operations Research, 2012, 199, 269-284.	4.1	12
26	Integrating vehicle scheduling and open routing decisions in a cross-docking center with multiple docks. Computers and Industrial Engineering, 2022, 164, 107869.	6.3	12
27	Minimizing undesirable load shedding through robust coordination of directional overcurrent relays. International Journal of Electrical Power and Energy Systems, 2019, 113, 748-757.	5.5	11
28	ANALYSIS OF MIXED INTEGER PROGRAMMING FORMULATIONS FOR SINGLE MACHINE SCHEDULING PROBLEMS WITH SEQUENCE DEPENDENT SETUP TIMES AND RELEASE DATES. Pesquisa Operacional, 2019, 39, 109-154.	0.4	9
29	Parallel-machine scheduling methodology for a multi-dock truck sequencing problem in a cross-docking center. Computers and Industrial Engineering, 2020, 143, 106391.	6.3	8
30	Problem on the integration between production and delivery with parallel batching machines of generic job sizes and processing times. Computers and Industrial Engineering, 2020, 146, 106573.	6.3	7
31	Multi-objective matheuristic for minimization of total tardiness and energy costs in a steel industry heat treatment line. Computers and Industrial Engineering, 2021, 151, 106929.	6.3	7
32	Approaches for the joint resolution of lot-sizing and scheduling with infeasibilities occurrences. Computers and Industrial Engineering, 2021, 155, 107176.	6.3	6
33	The Lagrangean Relaxation for the Flow Shop Scheduling Problem with Precedence Constraints, Release Dates and Delivery Times. Journal of Advanced Transportation, 2019, 2019, 1-10.	1.7	6
34	Hybrid proactive approach for solving maintenance and planning problems in the scenario of Industry 4.0. IFAC-PapersOnLine, 2020, 53, 216-221.	0.9	6
35	Simulating the Dynamics of Scale-Free Networks via Optimization. PLoS ONE, 2013, 8, e80783.	2.5	5
36	A hybrid VNS-Lagrangean heuristic framework applied on single machine scheduling problem with sequence-dependent setup times, release dates and due dates. Optimization Letters, 2022, 16, 59-78.	1.6	5

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37	Novel Biomarkers for Prostate Cancer Revealed by (Î±,Î²)-k-Feature Sets. Studies in Computational Intelligence, 2009, , 149-175.	0.9	4
38	Models for scheduling charges in continuous casting: application to a Brazilian steel plant. Optimization Letters, 2016, 10, 667-683.	1.6	3
39	Two Formulations for non-Interference Parallel Machine Scheduling Problems. IFAC-PapersOnLine, 2015, 48, 272-276.	0.9	2
40	Scheduling cranes to retrieve steel coils in a warehouse. IFAC-PapersOnLine, 2016, 49, 1020-1025.	0.9	2
41	A Review on Network Robustness from an Information Theory Perspective. Lecture Notes in Computer Science, 2016, , 50-60.	1.3	2
42	Learning algorithms to deal with failures in production planning. Computers and Industrial Engineering, 2022, 169, 108231.	6.3	2
43	Storage Yard Management: Modelling and Solving. Studies in Computational Intelligence, 2019, , 89-108.	0.9	1
44	The integrated uncapacitated lot sizing and bin packing problem. RAIRO - Operations Research, 2021, 55, 1197-1212.	1.8	1
45	OPTIMIZATION IN NETWORKS: MODELING, ALGORITHMS AND APPLICATIONS. Pesquisa Operacional, 2017, 37, 435-436.	0.4	1
46	An evolutionary multiobjective based approach to improve robustness in directional overcurrent relay coordination. , 2017, , .		0
47	Dynamics of Climate Networks. Springer Proceedings in Mathematics and Statistics, 2012, , 157-173.	0.2	0
48	Evaluation of the Copycat Model for Predicting Complex Network Growth. Springer Proceedings in Mathematics and Statistics, 2014, , 91-108.	0.2	0