Nicolas Zufferey

List of Publications by Year
in descending order

55 papers	1,215 citations	489802 18 h-index	425179 34 g-index
59 all docs	59 docs citations	59 times ranked	807 citing authors

#	Article	IF	Citations
1	Assessing the condition state of a concrete bridge combining visual inspection and nonlinear deterioration model. Structure and Infrastructure Engineering, 2024, 20, 149-164.	2.0	3
2	Buffer allocation design for unreliable production lines using genetic algorithm and finite perturbation analysis. International Journal of Production Research, 2022, 60, 3001-3017.	4.9	8
3	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
4	Aircraft landing planning under uncertain conditions. Journal of Scheduling, 2022, 25, 203-228.	1.3	3
5	The multi-period multi-level capacitated lot-sizing and scheduling problem in the dairy soft-drink industry. Supply Chain Forum, 2022, 23, 272-284.	2.7	2
6	Lexicographic optimization€based clustering search metaheuristic for the multiobjective flexible job shop schedulingÂproblem. International Transactions in Operational Research, 2021, 28, 2733-2758.	1.8	14
7	Parcel delivery cost minimization with time window constraints using trucks and drones. Networks, 2021, 78, 400-420.	1.6	18
8	Inbound and outbound flow integration for cross-docking operations. European Journal of Operational Research, 2021, 294, 1153-1163.	3.5	6
9	Design of a quality control network for an international food company. Infor, 2020, 58, 1-16.	0.5	1
10	Optimizing the trade-off between performance measures and operational risk in a food supply chain environment. Soft Computing, 2020, 24, 3365-3378.	2.1	5
11	Energy efficiency optimisation in supply chain networks: impact of inventory management. International Journal of Supply Chain and Inventory Management, 2020, 3, 93.	0.1	1
12	Solving the Wire-Harness Design Problem at a European car manufacturer. European Journal of Operational Research, 2019, 272, 712-724.	3.5	4
13	Integrating workload smoothing and inventory reduction in three intermodal logistics platforms of a European car manufacturer. Computers and Operations Research, 2019, 112, 104762.	2.4	5
14	Vehicle routing with transportable resources: Using carpooling and walking for on-site services. European Journal of Operational Research, 2019, 279, 996-1010.	3.5	21
15	Replenishment behaviour in sequential supply chains. International Journal of Logistics Systems and Management, 2019, 32, 322.	0.2	2
16	Fit between humanitarian professionals and project requirements: hybrid group decision procedure to reduce uncertainty in decision-making. Annals of Operations Research, 2019, 283, 471-496.	2.6	9
17	Learning Variable Neighborhood Search for a scheduling problem with time windows and rejections. Discrete Applied Mathematics, 2019, 261, 344-353.	0.5	29
18	Integrating Vehicle Routing and Resource Allocation in a Pharmaceutical Network. AIRO Springer Series, 2019, , 387-397.	0.4	0

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19	Dynamic Tabu Search for Enhancing the Productivity of a Bottle Production Line. AIRO Springer Series, 2019, , 245-253.	0.4	0
20	Graph multi-coloring for a job scheduling application. Discrete Applied Mathematics, 2018, 234, 218-235.	0.5	17
21	Collaborative Variable Neighborhood Search. Lecture Notes in Computer Science, 2018, , 320-332.	1.0	0
22	All-Terrain Tabu Search Approaches for Production Management Problems. Operations Research/ Computer Science Interfaces Series, 2018, , 59-73.	0.3	1
23	A Simulation-Optimization Approach for the Production of Components for a Pharmaceutical Company. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 269-283.	0.3	1
24	Makespan minimisation for a parallel machine scheduling problem with preemption and job incompatibility. International Journal of Production Research, 2017, 55, 1588-1606.	4.9	21
25	Metaheuristics for truck loading in the car production industry. International Transactions in Operational Research, 2017, 24, 277-301.	1.8	5
26	Competitive and timely food supply combined with operational risk. Supply Chain Forum, 2017, 18, 2-6.	2.7	3
27	A global simulation-optimisation approach for inventory management in a decentralised supply chain. Supply Chain Forum, 2017, 18, 112-119.	2.7	9
28	Model and metaheuristics for a scheduling problem integrating procurement, sale and distribution decisions. Annals of Operations Research, 2017, 259, 437-460.	2.6	9
29	Three-level inventory deployment for a luxury watch company facing various perturbations. Journal of the Operational Research Society, 2017, 68, 1195-1210.	2.1	15
30	A Push Shipping-Dispatching Approach for High-Value Items: From Modeling to Managerial Insights. Springer Proceedings in Mathematics and Statistics, 2017, , 431-439.	0.1	0
31	Performance Estimation Based Multicriteria Partitioning Approach for Dynamic Dataflow Programs. Journal of Electrical and Computer Engineering, 2016, 2016, 1-15.	0.6	0
32	Design Space Exploration Problem Formulation for Dataflow Programs on Heterogeneous Architectures. , 2016, , .		1
33	Tabu Search for Partitioning Dynamic Dataflow Programs. Procedia Computer Science, 2016, 80, 1577-1588.	1.2	7
34	Order acceptance and scheduling with earliness and tardiness penalties. Journal of Heuristics, 2016, 22, 849-890.	1.1	33
35	Metaheuristics for a job scheduling problem with smoothing costs relevant for the car industry. Networks, 2016, 67, 246-261.	1.6	13
36	A Generalized Consistent Neighborhood Search for Satellite Range Scheduling Problems. RAIRO - Operations Research, 2015, 49, 99-121.	1.0	13

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37	Metaheuristics for a scheduling problem with rejection and tardiness penalties. Journal of Scheduling, 2015, 18, 89-105.	1.3	32
38	A learning tabu search for a truck allocation problem with linear and nonlinear cost components. Naval Research Logistics, 2015, 62, 32-45.	1.4	20
39	Multi-coloring and job-scheduling with assignment and incompatibility costs. Annals of Operations Research, 2013, 211, 83-101.	2.6	8
40	Solution Methods for Fuel Supply of Trains. Infor, 2013, 51, 23-30.	0.5	2
41	The CAT metaheuristic for the solution of multi-period activity-based supply chain network design problems. International Journal of Production Economics, 2012, 139, 664-677.	5.1	30
42	Optimization by ant algorithms: possible roles for an individual ant. Optimization Letters, 2012, 6, 963-973.	0.9	25
43	Heuristics for a project management problem withÂincompatibility and assignment costs. Computational Optimization and Applications, 2012, 51, 1231-1252.	0.9	10
44	Inventory control of an item with a probabilistic replenishment lead time and a known supplier shutdown period. International Journal of Production Research, 2011, 49, 923-947.	4.9	22
45	A variable neighborhood search heuristic for the design of multicommodity productionâ€"distribution networks with alternative facility configurations. OR Spectrum, 2011, 33, 989-1007.	2.1	33
46	Online vehicle routing and scheduling with dynamic travel times. Computers and Operations Research, 2011, 38, 1086-1090.	2.4	50
47	A solution method for a car fleet management problem with maintenance constraints. Journal of Heuristics, 2009, 15, 425-450.	1.1	27
48	Corrigendum to â€œVariable space search for graph coloringâ€•[Discrete Appl. Math. 156 (2008) 2551â€"2560]. Discrete Applied Mathematics, 2009, 157, 1335-1336.	0.5	7
49	Graph colouring approaches for a satellite range scheduling problem. Journal of Scheduling, 2008, 11, 263-277.	1.3	149
50	An adaptive memory algorithm for the k-coloring problem. Discrete Applied Mathematics, 2008, 156, 267-279.	0.5	88
51	Variable space search for graph coloring. Discrete Applied Mathematics, 2008, 156, 2551-2560.	0.5	97
52	A graph coloring heuristic using partial solutions and a reactive tabu scheme. Computers and Operations Research, 2008, 35, 960-975.	2.4	142
53	An Ant Algorithm for the Steiner Tree Problem in Graphs. , 2007, , 42-51.		18
54	Lower bounding and tabu search procedures for the frequency assignment problem with polarization constraints. 4or, 2005, 3, 139-161.	1.0	27

#	ARTICLE	IF	CITATIONS
55	A variable neighborhood search for graph coloring. European Journal of Operational Research, 2003, 151, 379-388.	3.5	141