

Nikolaos Ploskas

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

260
citations

1162367

8
h-index

996533

15
g-index

48
all docs

48
docs citations

48
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and comparison of algorithms and software for mixed-integer derivative-free optimization. <i>Journal of Global Optimization</i> , 2022, 82, 433-462.	1.1	7
2	Predicting the Execution Time of the Primal and Dual Simplex Algorithms Using Artificial Neural Networks. <i>Mathematics</i> , 2022, 10, 1038.	1.1	0
3	A triangulation and fill-reducing initialization procedure for the simplex algorithm. <i>Mathematical Programming Computation</i> , 2021, 13, 491-508.	3.2	1
4	Dynamic Simulation-Based Surrogate Model for the Dimensioning of Building Energy Systems. <i>Energies</i> , 2021, 14, 7141.	1.6	2
5	GPU parameter tuning for tall and skinny dense linear least squares problems. <i>Optimization Methods and Software</i> , 2020, 35, 638-660.	1.6	9
6	Predicting the Execution Time of the Interior Point Method for Solving Linear Programming Problems Using Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 319-324.	1.0	0
7	Power Consumption Estimation in Data Centers Using Machine Learning Techniques. <i>Lecture Notes in Computer Science</i> , 2020, , 195-200.	1.0	1
8	Multi-Robot Coverage Path Planning in 3-Dimensional Environments. , 2019, , .		4
9	A decision support system for multiple criteria alternative ranking using TOPSIS and VIKOR in fuzzy and nonfuzzy environments. <i>Fuzzy Sets and Systems</i> , 2019, 377, 1-30.	1.6	49
10	Heat Exchanger Circuitry Design by Decision Diagrams. <i>Lecture Notes in Computer Science</i> , 2019, , 461-471.	1.0	0
11	Evaluating and ranking patents with multiple criteria: How many criteria are required to find the most promising patents?. <i>Computers and Chemical Engineering</i> , 2019, 123, 317-330.	2.0	6
12	Tuning BARON using derivative-free optimization algorithms. <i>Journal of Global Optimization</i> , 2019, 74, 611-637.	1.1	18
13	Optimization of circuitry arrangements for heat exchangers using derivative-free optimization. <i>Chemical Engineering Research and Design</i> , 2018, 131, 16-28.	2.7	24
14	Improving a primal-dual simplex-type algorithm using interior point methods. <i>Optimization</i> , 2018, 67, 2259-2274.	1.0	2
15	Linear Programming Using MATLAB®. <i>Springer Optimization and Its Applications</i> , 2017, , .	0.6	25
16	Interior Point Methods. <i>Springer Optimization and Its Applications</i> , 2017, , 491-540.	0.6	1
17	Basis Inverse and Update Methods. <i>Springer Optimization and Its Applications</i> , 2017, , 303-328.	0.6	0
18	Revised Dual Simplex Algorithm. <i>Springer Optimization and Its Applications</i> , 2017, , 383-435.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Exterior Point Simplex Algorithm. Springer Optimization and Its Applications, 2017, , 437-490.	0.6	1
20	Presolve Methods. Springer Optimization and Its Applications, 2017, , 135-217.	0.6	0
21	Pivoting Rules. Springer Optimization and Its Applications, 2017, , 277-302.	0.6	0
22	Linear Programming Benchmark and Random Problems. Springer Optimization and Its Applications, 2017, , 73-134.	0.6	0
23	Implementation of an Extended Fuzzy VIKOR Method Based on Triangular and Trapezoidal Fuzzy Linguistic Variables and Alternative Defuzzification Techniques. Lecture Notes in Business Information Processing, 2017, , 165-178.	0.8	1
24	A Decision Support System for Multiple Criteria Alternative Ranking Using TOPSIS and VIKOR: A Case Study on Social Sustainability in Agriculture. Lecture Notes in Business Information Processing, 2016, , 3-15.	0.8	14
25	Assessing Computer Network Efficiency Using Data Envelopment Analysis and Multicriteria Decision Analysis Techniques. Journal of Multi-Criteria Decision Analysis, 2015, 22, 260-278.	1.0	5
26	An Interactive Spatial Decision Support System Enabling Co-Located Collaboration using Tangible User Interfaces for the Multiple Capacitated Facility Location Problem. International Journal of Decision Support System Technology, 2015, 7, 15-28.	0.4	4
27	A Tangible Collaborative Decision Support System for Various Variants of the Vehicle Routing Problem. Lecture Notes in Business Information Processing, 2015, , 73-84.	0.8	0
28	A computational comparison of scaling techniques for linear optimization problems on a graphical processing unit. International Journal of Computer Mathematics, 2015, 92, 319-336.	1.0	10
29	Efficient GPU-based implementations of simplex type algorithms. Applied Mathematics and Computation, 2015, 250, 552-570.	1.4	21
30	A Collaborative Spatial Decision Support System for the Capacitated Vehicle Routing Problem on a Tabletop Display. Lecture Notes in Business Information Processing, 2015, , 26-36.	0.8	2
31	A Decision Support System for Solving Linear Programming Problems. International Journal of Decision Support System Technology, 2014, 6, 46-62.	0.4	0
32	GPU accelerated pivoting rules for the simplex algorithm. Journal of Systems and Software, 2014, 96, 1-9.	3.3	14
33	Pivoting rules for the revised simplex algorithm. Yugoslav Journal of Operations Research, 2014, 24, 321-332.	0.5	5
34	Analysis and design of a web-based decision support system for choosing higher education studies. Yugoslav Journal of Operations Research, 2014, 24, 399-414.	0.5	6
35	Combining interior and exterior simplex type algorithms. , 2013, , .		0
36	The impact of scaling on simplex type algorithms. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
37	A Web-Based Decision Support System Using Basis Update on Simplex Type Algorithms. Lecture Notes in Business Information Processing, 2013, , 102-114.	0.8	2
38	A Computational Comparison of Basis Updating Schemes for the Simplex Algorithm on a CPU-GPU System. American Journal of Operations Research, 2013, 03, 497-505.	0.2	7
39	A computational evaluation of some free mathematical software for scientific computing. Journal of Computational Science, 2010, 1, 150-158.	1.5	6
40	Design optimization of multi energy systems for domestic hot water uses on the building sector. , 0, , 1-18.		0