

# LêuboÅ; Buzna

## List of Publications by Year in descending order

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39  
papers

2,248  
citations

566801

15  
h-index

377514

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g-index

41  
all docs

41  
docs citations

41  
times ranked

1876  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Vehicle-to-Infrastructure Communication Reliability on Performance of Signalized Intersection Traffic Control. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15450-15461.	4.7	8
2	An Efficient Framework to Estimate the State of Charge Profiles of Hydro Units for Large-Scale Zonal and Nodal Pricing Models. Energies, 2022, 15, 4233.	1.6	0
3	An ensemble methodology for hierarchical probabilistic electric vehicle load forecasting at regular charging stations. Applied Energy, 2021, 283, 116337.	5.1	71
4	Impact of Charging Infrastructure Surroundings on Temporal Characteristics of Electric Vehicle Charging Sessions. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 160-174.	0.2	0
5	Analysis of Energy Consumption at Slow Charging Infrastructure for Electric Vehicles. IEEE Access, 2021, 9, 53885-53901.	2.6	11
6	On the Modelling of Emergency Ambulance Trips: The Case of the Āzilina Region in Slovakia. Mathematics, 2021, 9, 2165.	1.1	5
7	A Feasibility Study of Privacy Ensuring Emergency Vehicle Approaching Warning System. Applied Sciences (Switzerland), 2020, 10, 298.	1.3	8
8	Predicting Popularity of Electric Vehicle Charging Infrastructure in Urban Context. IEEE Access, 2020, 8, 11315-11327.	2.6	36
9	Electric vehicle load forecasting: A comparison between time series and machine learning approaches. , 2019, , .		23
10	Preprocessing of GIS data for electric vehicle charging stations analysis and evaluation of the predictors significance. Transportation Research Procedia, 2019, 40, 1583-1590.	0.8	9
11	Use Cases and Introductory Analysis of the Dataset Collected Within the Large Network of Public Charging Stations. Lecture Notes in Networks and Systems, 2019, , 203-213.	0.5	2
12	Large-scale test data set for location problems. Data in Brief, 2018, 17, 267-274.	0.5	5
13	Controlling congestion on complex networks: fairness, efficiency and network structure. Scientific Reports, 2017, 7, 9152.	1.6	13
14	A versatile adaptive aggregation framework for spatially large discrete location-allocation problems. Computers and Industrial Engineering, 2017, 111, 364-380.	3.4	15
15	Geometric Correlations Mitigate the Extreme Vulnerability of Multiplex Networks against Targeted Attacks. Physical Review Letters, 2017, 118, 218301.	2.9	39
16	The Onset of Congestion in Charging of Electric Vehicles for Proportionally Fair Network Management Protocol. Operations Research Proceedings: Papers of the Annual Meeting = VotrĀge Der Jahrestagung / DGOR, 2017, , 95-100.	0.1	0
17	Effects of demand estimates on the evaluation and optimality of service centre locations. International Journal of Geographical Information Science, 2016, 30, 765-784.	2.2	3
18	An Approximative Lexicographic Min-Max Approach to the Discrete Facility Location Problem. Operations Research Proceedings: Papers of the Annual Meeting = VotrĀge Der Jahrestagung / DGOR, 2016, , 71-76.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Critical behaviour in charging of electric vehicles. <i>New Journal of Physics</i> , 2015, 17, 095001.	1.2	20
20	Re-Aggregation Heuristics for the Large Location Problems with Lexicographic Minimax Objective. <i>Communications - Scientific Letters of the University of Zilina</i> , 2015, 17, 4-10.	0.3	1
21	Congestion dependencies in the European gas pipeline network during crises. , 2014, , .		1
22	An Approximation Algorithm for the Facility Location Problem with Lexicographic Minimax Objective. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-12.	0.4	13
23	Resilience of Natural Gas Networks during Conflicts, Crises and Disruptions. <i>PLoS ONE</i> , 2014, 9, e90265.	1.1	51
24	Proportionally Fairer Public Service Systems Design. <i>Communications - Scientific Letters of the University of Zilina</i> , 2013, 15, 14-18.	0.3	13
25	Fair sharing of resources in a supply network with constraints. <i>Physical Review E</i> , 2012, 85, 046101.	0.8	9
26	Decelerated spreading in degree-correlated networks. <i>Physical Review E</i> , 2012, 85, 015101.	0.8	14
27	Role of network topology in the synchronization of power systems. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	66
28	Optimized Design of Large-Scale Social Welfare Supporting Systems on Complex Networks. <i>Springer Optimization and Its Applications</i> , 2012, , 337-361.	0.6	6
29	Stochastic Modelling of the Effects of Interdependencies between Critical Infrastructure. <i>Lecture Notes in Computer Science</i> , 2010, , 201-212.	1.0	16
30	Synchronization in symmetric bipolar population networks. <i>Physical Review E</i> , 2009, 80, 066120.	0.8	40
31	Robustness of trans-European gas networks. <i>Physical Review E</i> , 2009, 80, 016106.	0.8	75
32	The evolution of the topology of high-voltage electricity networks. <i>International Journal of Critical Infrastructures</i> , 2009, 5, 72.	0.1	19
33	An acceleration of Erlenkotter-K&Auml;rkel&Auml;'s algorithms for the uncapacitated facility location problem. <i>Annals of Operations Research</i> , 2008, 164, 97-109.	2.6	24
34	Modelling of cascading effects and efficient response to disaster spreading in complex networks. <i>International Journal of Critical Infrastructures</i> , 2008, 4, 46.	0.1	68
35	Transient Dynamics Increasing Network Vulnerability to Cascading Failures. <i>Physical Review Letters</i> , 2008, 100, 218701.	2.9	201
36	Efficient response to cascading disaster spreading. <i>Physical Review E</i> , 2007, 75, 056107.	0.8	75

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37	Modelling the dynamics of disaster spreading in networks. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 132-140.	1.2	107
38	Self-Organized Pedestrian Crowd Dynamics: Experiments, Simulations, and Design Solutions. Transportation Science, 2005, 39, 1-24.	2.6	1,168
39	Pedestrian Dynamics and Evacuation. , 2005, , 85-104.		10