

# Aleksander KrÃ³l

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

417  
citations

759233

12  
h-index

752698

20  
g-index

35  
all docs

35  
docs citations

35  
times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	How to improve WEEE management? Novel approach in mobile collection with application of artificial intelligence. Waste Management, 2016, 50, 222-233.	7.4	73
2	Full scale measurements of the operation of fire ventilation in a road tunnel. Tunnelling and Underground Space Technology, 2017, 70, 204-213.	6.2	50
3	Supporting mobile WEEE collection on demand: A method for multi-criteria vehicle routing, loading and cost optimisation. Waste Management, 2017, 69, 377-392.	7.4	28
4	Numerical investigation on fire accident and evacuation in a urban tunnel for different traffic conditions. Tunnelling and Underground Space Technology, 2021, 109, 103751.	6.2	28
5	Numerical modeling of air velocity distribution in a road tunnel with a longitudinal ventilation system. Tunnelling and Underground Space Technology, 2019, 91, 103003.	6.2	27
6	The influence of natural draught on the air flow in a tunnel with longitudinal ventilation. Tunnelling and Underground Space Technology, 2019, 85, 140-148.	6.2	25
7	Multi-criteria numerical analysis of factors influencing the efficiency of natural smoke venting of atria. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 170, 149-161.	3.9	23
8	Study on numerical modeling of jet fans. Tunnelling and Underground Space Technology, 2018, 73, 222-235.	6.2	22
9	The Application of the Artificial Intelligence Methods for Planning of the Development of the Transportation Network. Transportation Research Procedia, 2016, 14, 4532-4541.	1.5	21
10	Transient Analyses and Energy Balance of Air Flow in Road Tunnels. Energies, 2018, 11, 1759.	3.1	18
11	The factors determining the number of the endangered people in a case of fire in a road tunnel. Fire Safety Journal, 2020, 111, 102942.	3.1	13
12	The Design of a Metro Network Using a Genetic Algorithm. Applied Sciences (Switzerland), 2019, 9, 433.	2.5	12
13	Application of a Genetic Algorithm With a Fuzzy Objective Function for Optimized Siting of Electric Vehicle Charging Devices in Urban Road Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8680-8691.	8.0	11
14	Study on Hot Gases Flow in Case of Fire in a Road Tunnel. Energies, 2018, 11, 590.	3.1	10
15	The influence of preliminary processing of end-of-life tires on transportation cost and vehicle exhausts emissions. Environmental Science and Pollution Research, 2021, 28, 24256-24269.	5.3	10
16	The Traffic Flow Prediction Using Bayesian and Neural Networks. Studies in Systems, Decision and Control, 2016, , 105-126.	1.0	7
17	Application of Artificial Intelligence in Prediction of Road Freight Transportation. Promet - Traffic - Traffico, 2017, 29, 363-370.	0.7	6
18	Evacuation Simulation Focusing on Modeling of Disabled People Movement. Sustainability, 2021, 13, 2405.	3.2	4

#	ARTICLE	IF	CITATIONS
19	Should We Expect a Disastrous Fire Accident in an Urban Road Tunnel? Literature Data Review and a Case Study for Selected Tunnels in Poland. Sustainability, 2021, 13, 6172.	3.2	4
20	Application of the Genetic Algorithm for Optimization of the Public Transportation Lines. Advances in Intelligent Systems and Computing, 2017, , 135-146.	0.6	3
21	A Numerical Study on Fire Development in a Confined Space Leading to Backdraft Phenomenon. Energies, 2020, 13, 1854.	3.1	3
22	3D Mapping of the Sprinkler Activation Time. Energies, 2020, 13, 1450.	3.1	3
23	A Study on the Reliability of Modeling of Thermocouple Response and Sprinkler Activation during Compartment Fires. Buildings, 2022, 12, 77.	3.1	3
24	Application of the unipole mass filter for determination of the partial pressure of gases with near atomic mass number. Vacuum, 1999, 54, 205-209.	3.5	2
25	Some Tips on Numerical Modeling of Airflow and Fires in Road Tunnels. Energies, 2021, 14, 2366.	3.1	2
26	Impact of the Factors Determining the Natural Stack Effect on the Safety Conditions in a Road Tunnel. Lecture Notes in Networks and Systems, 2018, , 85-95.	0.7	2
27	WIND INFLUENCE ON A BUILDING WITH THE NATURAL SMOKE REMOVAL SYSTEM. Architecture Civil Engineering Environment, 2017, 10, 119-126.	0.6	2
28	A Stochastic Simulation Model for the Optimization of the Taxi Management System. Sustainability, 2019, 11, 3838.	3.2	1
29	Numerical Modelling of Underventilated Fire in a Compartment. Architecture Civil Engineering Environment, 2018, 11, 115-123.	0.6	1
30	The Choice of the Fire Ventilation System for a Short Road Tunnel. Lecture Notes in Networks and Systems, 2017, , 145-155.	0.7	0
31	Assessment of Polish Railway Infrastructure and the Use of Artificial Intelligence Methods for Prediction of Its Further Development. Studies in Systems, Decision and Control, 2017, , 361-403.	1.0	0
32	A Case Study of High Power Fire and Evacuation Process in an Urban Road Tunnel. Advances in Intelligent Systems and Computing, 2020, , 202-215.	0.6	0