

Stijn Janssen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,381
citations

567281

15
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving local air quality in cities: To tree or not to tree?. Environmental Pollution, 2013, 183, 113-122.	7.5	419
2	Spatial interpolation of air pollution measurements using CORINE land cover data. Atmospheric Environment, 2008, 42, 4884-4903.	4.1	236
3	Impact of trees on pollutant dispersion in street canyons: A numerical study of the annual average effects in Antwerp, Belgium. Science of the Total Environment, 2015, 532, 474-483.	8.0	109
4	Validation of the MIMOSA-AURORA-IFDM model chain for policy support: Modeling concentrations of elemental carbon in Flanders. Atmospheric Environment, 2011, 45, 6705-6713.	4.1	93
5	Influence of tree crown characteristics on the local PM 10 distribution inside an urban street canyon in Antwerp (Belgium): A model and experimental approach. Urban Forestry and Urban Greening, 2016, 20, 265-276.	5.3	67
6	Air quality forecasting using artificial neural networks with real time dynamic error correction in highly polluted regions. Science of the Total Environment, 2020, 735, 139454.	8.0	61
7	Dispersion modelling of traffic induced ultrafine particles in a street canyon in Antwerp, Belgium and comparison with observations. Science of the Total Environment, 2011, 412-413, 336-343.	8.0	60
8	Impact of passenger car NOX emissions on urban NO2 pollution " Scenario analysis for 8 European cities. Atmospheric Environment, 2017, 171, 330-337.	4.1	60
9	Spatial surrogates for the disaggregation of CORINAIR emission inventories. Atmospheric Environment, 2009, 43, 1246-1254.	4.1	57
10	Impact of passenger car NOx emissions and NO2 fractions on urban NO2 pollution " Scenario analysis for the city of Antwerp, Belgium. Atmospheric Environment, 2016, 126, 218-224.	4.1	48
11	Land use to characterize spatial representativeness of air quality monitoring stations and its relevance for model validation. Atmospheric Environment, 2012, 59, 492-500.	4.1	42
12	Increasing the spatial resolution of air quality assessments in urban areas: A comparison of biomagnetic monitoring and urban scale modelling. Atmospheric Environment, 2014, 92, 130-140.	4.1	26
13	Health Impact Assessment of a Predicted Air Quality Change by Moving Traffic from an Urban Ring Road into a Tunnel. The Case of Antwerp, Belgium. PLoS ONE, 2016, 11, e0154052.	2.5	23
14	Modelling the Mixing of Size Resolved Traffic Induced and Background Ultrafine Particles from an Urban Street Canyon to Adjacent Backyards. Aerosol and Air Quality Research, 2014, 14, 145-155.	2.1	19
15	Size resolved ultrafine particles emission model " A continues size distribution approach. Science of the Total Environment, 2011, 409, 3492-3499.	8.0	18
16	Data assimilation of surface air pollutants (O3 and NO2) in the regional-scale air quality model AURORA. Atmospheric Environment, 2012, 60, 99-108.	4.1	16
17	Modelling concentrations of airborne primary and secondary PM10 and PM2.5 with the BelEUROS-model in Belgium. Ecological Modelling, 2008, 217, 230-239.	2.5	12
18	Fine Atmospheric Particles from Agricultural Practices in Flanders: From Emissions to Health Effects and Limit Values. Outlook on Agriculture, 2014, 43, 39-44.	3.4	8

#	ARTICLE	IF	CITATIONS
19	A high-order model for accurately simulating the size distribution of ultrafine particles in a traffic tunnel. Atmospheric Environment, 2012, 59, 415-425.	4.1	2
20	The multi-scale character of air pollution: impact of local measures in relation to European and regional policies - a case study in Antwerp, Belgium. International Journal of Environment and Pollution, 2014, 54, 203.	0.2	1
21	Is Driving 1 km to Work Worse for the Environment Than Driving 1 km for Shopping?. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 79-83.	0.2	1
22	Validating the RIO-IFDM Street Canyon Coupling over Antwerp, Belgium. Springer Proceedings in Complexity, 2014, , 385-389.	0.3	1
23	Poster 16 Producing high-resolution spatial maps of ambient ozone concentrations in Belgium. Developments in Environmental Science, 2007, , 784-786.	0.5	0
24	Combining Models for Assessment of Local Air Quality. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 657-660.	0.2	0
25	Comparing Different Modeling Approaches in Obtaining Regional Scale Concentration Maps. Springer Proceedings in Complexity, 2014, , 241-245.	0.3	0