Stijn Janssen

List of Publications by Year in descending order

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25	1,381	567281 15	642732 23
papers	citations	h-index	g-index

28	28	28	1955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Impact of passenger car NOX emissions on urban NO2 pollution â€“ Scenario analysis for 8 European cities. Atmospheric Environment, 2017, 171, 330-337.	4.1	60
3	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
4	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
5	Impact of passenger car NOx emissions and NO2 fractions on urban NO2 pollution â€“ Scenario analysis for the city of Antwerp, Belgium. Atmospheric Environment, 2016, 126, 218-224.	4.1	48
6	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
7	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
8	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
9	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
10	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
11	Combining Models for Assessment of Local Air Quality. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 657-660.	0.2	0
12	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
13	Comparing Different Modeling Approaches in Obtaining Regional Scale Concentration Maps. Springer Proceedings in Complexity, 2014, , 241-245.	0.3	0
14	Validating the RIO-IFDM Street Canyon Coupling over Antwerp, Belgium. Springer Proceedings in Complexity, 2014, , 385-389.	0.3	1
15	Improving local air quality in cities: To tree or not to tree?. Environmental Pollution, 2013, 183, 113-122.	7.5	419
16	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
17	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
18	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

#	Article	IF	Citations
19	Size resolved ultrafine particles emission model â€" A continues size distribution approach. Science of the Total Environment, 2011, 409, 3492-3499.	8.0	18
20	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
21	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
22	Spatial surrogates for the disaggregation of CORINAIR emission inventories. Atmospheric Environment, 2009, 43, 1246-1254.	4.1	57
23	Spatial interpolation of air pollution measurements using CORINE land cover data. Atmospheric Environment, 2008, 42, 4884-4903.	4.1	236
24	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
25	Poster 16 Producing high-resolution spatial maps of ambient ozone concentrations in Belgium. Developments in Environmental Science, 2007, , 784-786.	0.5	0