

Aerodynamic effects of trees on pollutant concentration

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A review of the adaptation and mitigation of global climate change using sustainable drainage in cities. <i>Journal of Water and Climate Change</i> , 2010, 1, 165-180.	1.2	121
2	City breathability and its link to pollutant concentration distribution within urban-like geometries. <i>Atmospheric Environment</i> , 2010, 44, 1894-1903.	1.9	228
3	New Directions: Passive control of personal air pollution exposure from traffic emissions in urban street canyons. <i>Atmospheric Environment</i> , 2010, 44, 2940-2941.	1.9	29
4	Numerical simulation of pollutant flow and dispersion in different street layouts. <i>International Journal of Environmental Studies</i> , 2010, 67, 155-167.	0.7	14
5	Application of computational fluid dynamics in building performance simulation for the outdoor environment: an overview. <i>Journal of Building Performance Simulation</i> , 2011, 4, 157-184.	1.0	253
6	On the wind flow patterns under neutral and unstable conditions in an urban area. <i>International Journal of Environment and Pollution</i> , 2011, 47, 257.	0.2	4
7	Dispersion modelling of traffic induced ultrafine particles in a street canyon in Antwerp, Belgium and comparison with observations. <i>Science of the Total Environment</i> , 2011, 412-413, 336-343.	3.9	60
8	A vegetation modeling concept for Building and Environmental Aerodynamics wind tunnel tests and its application in pollutant dispersion studies. <i>Environmental Pollution</i> , 2011, 159, 2094-2099.	3.7	118
9	Analysis of local scale tree-atmosphere interaction on pollutant concentration in idealized street canyons and application to a real urban junction. <i>Atmospheric Environment</i> , 2011, 45, 1702-1713.	1.9	189
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12	Mass Transfer Velocity and Momentum Vertical Exchange in Simulated Deep Street Canyons. <i>Boundary-Layer Meteorology</i> , 2011, 140, 125-142.	1.2	19
13	Numerical simulation of dispersion in urban street canyons with avenue-like tree plantings: Comparison between RANS and LES. <i>Building and Environment</i> , 2011, 46, 1735-1746.	3.0	114
14	A futures-based analysis for urban air quality remediation. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2012, 165, 21-36.	0.4	12
15	Evaluating the role of vegetation on the ventilation performance in isolated deep street canyons. <i>International Journal of Environment and Pollution</i> , 2012, 50, 98.	0.2	24
16	Urban Physics: Effect of the micro-climate on comfort, health and energy demand. <i>Frontiers of Architectural Research</i> , 2012, 1, 197-228.	1.3	265
17	Pollutant Concentrations in Street Canyons of Different Aspect Ratio with Avenues of Trees for Various Wind Directions. <i>Boundary-Layer Meteorology</i> , 2012, 144, 41-64.	1.2	178
18	Numerical modelling of the passive control of air pollution in asymmetrical urban street canyons using refined mesh discretization schemes. <i>Building and Environment</i> , 2012, 56, 232-240.	3.0	38

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20	Field investigation of roadside vegetative and structural barrier impact on near-road ultrafine particle concentrations under a variety of wind conditions. <i>Science of the Total Environment</i> , 2012, 419, 7-15.	3.9	167
21	City breathability as quantified by the exchange velocity and its spatial variation in real inhomogeneous urban geometries: An example from central London urban area. <i>Science of the Total Environment</i> , 2013, 442, 466-477.	3.9	103
22	CFD simulation of near-field pollutant dispersion in the urban environment: A review of current modeling techniques. <i>Atmospheric Environment</i> , 2013, 79, 716-730.	1.9	357
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28	Characterization of the Thermal Structure inside an Urban Canyon: Field Measurements and Validation of a Simple Model. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 64-81.	0.6	27
29	Pedestrian Exposure to Air Pollution in Cities: Modeling the Effect of Roadside Trees. <i>Advances in Meteorology</i> , 2013, 2013, 1-7.	0.6	27
30	Recent advancements in numerical modelling of flow and dispersion in urban areas: a short review. <i>International Journal of Environment and Pollution</i> , 2013, 52, 172.	0.2	76
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38	A modeling investigation of the impact of street and building configurations on personal air pollutant exposure in isolated deep urban canyons. <i>Science of the Total Environment</i> , 2014, 468-469, 429-448.	3.9	104
39	Field assessment of the effects of roadside vegetation on near-road black carbon and particulate matter. <i>Science of the Total Environment</i> , 2014, 468-469, 120-129.	3.9	143
40	Cardiac and pulmonary benefits of forest walking versus city walking in elderly women: A randomised, controlled, open-label trial. <i>European Journal of Integrative Medicine</i> , 2014, 6, 5-11.	0.8	84
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49	The association between greenness and traffic-related air pollution at schools. <i>Science of the Total Environment</i> , 2015, 523, 59-63.	3.9	146
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61	The impacts of roadside vegetation barriers on the dispersion of gaseous traffic pollution in urban street canyons. <i>Urban Forestry and Urban Greening</i> , 2016, 17, 80-91.	2.3	87
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63	Relationship between rooftop and on-road concentrations of traffic-related pollutants in a busy street canyon: Ambient wind effects. <i>Environmental Pollution</i> , 2016, 208, 185-197.	3.7	29
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