

CFD analysis of transpirational cooling by vegetation: C meteorological conditions during a heat wave in Arnher

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Citation Report

#	ARTICLE	IF	CITATIONS
1	How cities can beat the heat. <i>Nature</i> , 2015, 524, 402-404.	13.7	45
2	Building neighborhood emerging properties and their impacts on multi-scale modeling of building energy and airflows. <i>Building and Environment</i> , 2015, 91, 246-262.	3.0	77
3	An indirect validation of convective heat transfer coefficients (CHTCs) for external building surfaces in an actual urban environment. <i>Building Simulation</i> , 2015, 8, 337-352.	3.0	20
4	Coupled CFD, radiation and building energy model for studying heat fluxes in an urban environment with generic building configurations. <i>Sustainable Cities and Society</i> , 2015, 19, 385-394.	5.1	80
5	CFD simulations of the effect of evaporative cooling from water bodies in a micro-scale urban environment: Validation and application studies. <i>Sustainable Cities and Society</i> , 2015, 19, 259-270.	5.1	75
6	CFD simulation of outdoor ventilation of generic urban configurations with different urban densities and equal and unequal street widths. <i>Building and Environment</i> , 2015, 92, 152-166.	3.0	257
7	Computational Fluid Dynamics for urban physics: Importance, scales, possibilities, limitations and ten tips and tricks towards accurate and reliable simulations. <i>Building and Environment</i> , 2015, 91, 219-245.	3.0	661
8	Impacts of mesic and xeric urban vegetation on outdoor thermal comfort and microclimate in Phoenix, AZ. <i>Building and Environment</i> , 2015, 94, 558-568.	3.0	62
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18	Water retention, wash-out, substrate and surface temperatures of extensive green roof mesocosms—Results from a two year study in SW-Germany. <i>Ecological Engineering</i> , 2016, 94, 503-515.	1.6	16

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19	A simplified assessment of how tree allocation, wind environment, and shading affect human comfort. <i>Urban Forestry and Urban Greening</i> , 2016, 18, 126-137.	2.3	68
20	Analysis of the predicted effect of passive climate adaptation measures on energy demand for cooling and heating in a residential building. <i>Energy</i> , 2016, 94, 811-820.	4.5	97
22	A new model of urban cooling demand and heat island application to vertical greenery systems (VGS). <i>Energy and Buildings</i> , 2017, 157, 204-217.	3.1	49
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39	Review on urban tree modelling in CFD simulations: Aerodynamic, deposition and thermal effects. <i>Urban Forestry and Urban Greening</i> , 2018, 31, 212-220.	2.3	135
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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