

# Computational Fluid Dynamics for urban physics: Important limitations and ten tips and tricks towards accurate and

Building and Environment

91, 219-245

DOI: [10.1016/j.buildenv.2015.02.015](https://doi.org/10.1016/j.buildenv.2015.02.015)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Application of computational fluid dynamics for the optimization of homogenization processes in wine tanks. BIO Web of Conferences, 2015, 5, 02014.	0.2	2
2	Revisiting the “Venturi effect”™ in passage ventilation between two non-parallel buildings. Building and Environment, 2015, 94, 714-722.	6.9	39
4	Near-field pollutant dispersion in an actual urban area: Analysis of the mass transport mechanism by high-resolution Large Eddy Simulations. Computers and Fluids, 2015, 114, 151-162.	2.5	52
5	A simplified benchmark of ultrafine particle dispersion in idealized urban street canyons: A wind tunnel study. Building and Environment, 2015, 93, 186-198.	6.9	28
6	A following car influences cyclist drag: CFD simulations and wind tunnel measurements. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 145, 178-186.	3.9	60
7	Impact of eaves on cross-ventilation of a generic isolated leeward sawtooth roof building: Windward eaves, leeward eaves and eaves inclination. Building and Environment, 2015, 92, 578-590.	6.9	45
8	CFD simulation of outdoor ventilation of generic urban configurations with different urban densities and equal and unequal street widths. Building and Environment, 2015, 92, 152-166.	6.9	257
9	Large eddy simulation of flow around an inclined finite square cylinder. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 146, 172-184.	3.9	63
10	CFD analysis of forced convective heat transfer coefficients at windward building facades: Influence of building geometry. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 146, 102-116.	3.9	66
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13	CFD simulation of wind flow over natural complex terrain: Case study with validation by field measurements for Ria de Ferrol, Galicia, Spain. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 147, 43-57.	3.9	112
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16	Aerodynamic benefit for a cyclist by a following motorcycle. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 155, 1-10.	3.9	50
17	Pedestrian level wind environment assessment around group of high-rise cross-shaped buildings: Effect of building shape, separation and orientation. Building and Environment, 2016, 101, 45-63.	6.9	93
18	Embedded large eddy simulation approach for pollutant dispersion around a model building in atmospheric boundary layer. Environmental Fluid Mechanics, 2016, 16, 575-601.	1.6	16
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24	Wind tunnel analysis of flow and dispersion in cross-ventilated isolated buildings: Impact of opening positions. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 155, 74-88.	3.9	85
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27	Ventilation Processes in a Three-Dimensional Street Canyon. Boundary-Layer Meteorology, 2016, 159, 259-284.	2.3	38
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44	CFD simulations of wind loads on a container ship: Validation and impact of geometrical simplifications. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 166, 106-116.	3.9	45
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