

# Erik Velasco

## List of Publications by Year in descending order

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49  
papers

2,328  
citations

187845

28  
h-index

225229

46  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric oxidation in the Mexico City Metropolitan Area (MCMA) during April 2003. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2753-2765.	5.0	204
2	Distribution, magnitudes, reactivities, ratios and diurnal patterns of volatile organic compounds in the Valley of Mexico during the MCMA 2002 & 2003 field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 329-353.	5.0	167
3	Does urban vegetation enhance carbon sequestration?. <i>Landscape and Urban Planning</i> , 2016, 148, 99-107.	7.6	151
4	Measurements of CO fluxes from the Mexico City urban landscape. <i>Atmospheric Environment</i> , 2005, 39, 7433-7446.	4.2	139
5	Cities as Net Sources of CO <sub>2</sub> : Review of Atmospheric CO <sub>2</sub> Exchange in Urban Environments Measured by Eddy Covariance Technique. <i>Geography Compass</i> , 2010, 4, 1238-1259.	2.7	138
6	Eddy covariance flux measurements of pollutant gases in urban Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7325-7342.	5.0	109
7	Tree effects on urban microclimate: Diurnal, seasonal, and climatic temperature differences explained by separating radiation, evapotranspiration, and roughness effects. <i>Urban Forestry and Urban Greening</i> , 2021, 58, 126970.	5.3	90
8	Vertical distribution of ozone and VOCs in the low boundary layer of Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3061-3079.	5.0	85
9	An urban ecohydrological model to quantify the effect of vegetation on urban climate and hydrology (UT&C v1.0). <i>Geoscientific Model Development</i> , 2020, 13, 335-362.	3.7	79
10	Particle exposure and inhaled dose during commuting in Singapore. <i>Atmospheric Environment</i> , 2017, 170, 245-258.	4.2	71
11	The role of vegetation in the CO <sub>2</sub> flux from a tropical urban neighbourhood. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10185-10202.	5.0	69
12	Experience from Integrated Air Quality Management in the Mexico City Metropolitan Area and Singapore. <i>Atmosphere</i> , 2019, 10, 512.	2.3	66
13	Multi-year energy balance and carbon dioxide fluxes over a residential neighbourhood in a tropical city. <i>International Journal of Climatology</i> , 2017, 37, 2679-2698.	3.5	62
14	Flux measurements of volatile organic compounds from an urban landscape. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	60
15	Impact of urban canopy models and external parameters on the modelled urban energy balance in a tropical city. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1581-1596.	2.7	58
16	Sources and sinks of carbon dioxide in a neighborhood of Mexico City. <i>Atmospheric Environment</i> , 2014, 97, 226-238.	4.2	54
17	Exploratory study of particle-bound polycyclic aromatic hydrocarbons in different environments of Mexico City. <i>Atmospheric Environment</i> , 2004, 38, 4957-4968.	4.2	53
18	Particle exposure and inhaled dose while commuting by public transport in Mexico City. <i>Atmospheric Environment</i> , 2019, 219, 117044.	4.2	45

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19	Particles exposure while sitting at bus stops of hot and humid Singapore. <i>Atmospheric Environment</i> , 2016, 142, 251-263.	4.2	43
20	Ozone's threat hits back Mexico city. <i>Sustainable Cities and Society</i> , 2017, 31, 260-263.	10.5	41
21	Review of Singapore's air quality and greenhouse gas emissions: Current situation and opportunities. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 625-641.	2.0	40
22	Evaluation of an urban canopy model in a tropical city: the role of tree evapotranspiration. <i>Environmental Research Letters</i> , 2017, 12, 094008.	5.3	39
23	Changes in ozone production and VOC reactivity in the atmosphere of the Mexico City Metropolitan Area. <i>Atmospheric Environment</i> , 2020, 238, 117747.	4.2	39
24	Comparison of aromatic hydrocarbon measurements made by PTR-MS, DOAS and GC-FID during the MCMA 2003 Field Experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1989-2005.	5.0	37
25	Direct observations of CO2 emission reductions due to COVID-19 lockdown across European urban districts. <i>Science of the Total Environment</i> , 2022, 830, 154662.	8.1	37
26	Ceilometer Monitoring of Boundary-Layer Height and Its Application in Evaluating the Dilution Effect on Air Pollution. <i>Boundary-Layer Meteorology</i> , 2019, 172, 435-455.	2.3	33
27	Non-methane hydrocarbons in the atmosphere of Mexico City: Results of the 2012 ozone-season campaign. <i>Atmospheric Environment</i> , 2016, 132, 258-275.	4.2	32
28	Progress and opportunities for monitoring greenhouse gases fluxes in Mexican ecosystems: the MexFlux network. <i>Atmosfera</i> , 2013, 26, 325-336.	0.9	31
29	Air quality in Singapore during the 2013 smoke-haze episode over the Strait of Malacca: Lessons learned. <i>Sustainable Cities and Society</i> , 2015, 17, 122-131.	10.5	29
30	Energy balance in urban Mexico City: observation and parameterization during the MILAGRO/MCMA-2006 field campaign. <i>Theoretical and Applied Climatology</i> , 2011, 103, 501-517.	2.9	25
31	Fireworks: A major source of inorganic and organic aerosols during Christmas and New Year in Mexico city. <i>Atmospheric Environment: X</i> , 2019, 2, 100013.	1.4	23
32	Application of MORUSES single-layer urban canopy model in a tropical city: Results from Singapore. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 576-597.	2.7	19
33	Carbon dioxide dynamics in a residential lawn of a tropical city. <i>Journal of Environmental Management</i> , 2021, 280, 111752.	7.9	17
34	Estimates for biogenic non-methane hydrocarbons and nitric oxide emissions in the Valley of Mexico. <i>Atmospheric Environment</i> , 2003, 37, 625-637.	4.2	16
35	Carbon storage estimation of tropical urban trees by an improved allometric model for aboveground biomass based on terrestrial laser scanning. <i>Urban Forestry and Urban Greening</i> , 2019, 44, 126387.	5.3	15
36	Chemically-resolved aerosol eddy covariance flux measurements in urban Mexico City during MILAGRO 2006. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7809-7823.	5.0	14

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37	Impact of Singapore's COVID-19 confinement on atmospheric CO2 fluxes at neighborhood scale. Urban Climate, 2021, 37, 100822.	5.7	12
38	Evaluation of an urban land surface scheme over a tropical suburban neighborhood. Theoretical and Applied Climatology, 2018, 133, 867-886.	2.9	11
39	Aerosol optical properties and brown carbon in Mexico City. Environmental Science Atmospheres, 2022, 2, 315-334.	2.1	10
40	Finding candidate locations for aerosol pollution monitoring at street level using a data-driven methodology. Atmospheric Measurement Techniques, 2015, 8, 3563-3575.	3.1	9
41	Go to field, look around, measure and then run models. Urban Climate, 2018, 24, 231-236.	5.7	8
42	Commuter exposure to black carbon, carbon monoxide, and noise in the mass transport khlong boats of Bangkok, Thailand. Transportation Research, Part D: Transport and Environment, 2013, 21, 62-65.	6.8	6
43	Determining a Commuters'™ Exposure to Particle and Noise Pollution on Double-decker Buses. Aerosol and Air Quality Research, 2021, 21, 210165.	2.1	5
44	Assessment of a meteorological mesoscale model's capability to simulate intra-urban thermal variability in a tropical city. Urban Climate, 2021, 40, 101006.	5.7	5
45	Urban Water Storage Capacity Inferred From Observed Evapotranspiration Recession. Geophysical Research Letters, 2022, 49, .	4.0	5
46	Intensive field campaigns as a means for improving scientific knowledge to address urban air pollution. Atmospheric Environment, 2021, 246, 118094.	4.2	4
47	General discussion: Aerosol formation and growth; VOC sources and secondary organic aerosols. Faraday Discussions, 2021, 226, 479-501.	3.3	1
48	Comment on "High-Resolution, Multilayer Modeling of Singapore's Urban Climate Incorporating Local Climate Zones" by Mughal et al. (2019). Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033301.	3.3	0
49	General discussion: Urban air quality; Meteorological influences and air quality trends. Faraday Discussions, 2021, 226, 191-206.	3.3	0