# Erik Velasco

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3291174/publications.pdf

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|---|---|---|---|
| 49 papers | 2,328 citations | 185998 28 h-index | 223531 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. Atmospheric Chemistry and Physics, 2006, 6, 2753-2765. | 1.9 | 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. Atmospheric Chemistry and Physics, 2007, 7, 329-353. | 1.9 | 167 |
| 3 | Does urban vegetation enhance carbon sequestration?. Landscape and Urban Planning, 2016, 148, 99-107. | 3.4 | 151 |
| 4 | Measurements of CO fluxes from the Mexico City urban landscape. Atmospheric Environment, 2005, 39, 7433-7446. | 1.9 | 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. Geography Compass, 2010, 4, 1238-1259. | 1.5 | 138 |
| 6 | Eddy covariance flux measurements of pollutant gases in urban Mexico City. Atmospheric Chemistry and Physics, 2009, 9, 7325-7342. | 1.9 | 109 |
| 7 | Tree effects on urban microclimate: Diurnal, seasonal, and climatic temperature differences explained by separating radiation, evapotranspiration, and roughness effects. Urban Forestry and Urban Greening, 2021, 58, 126970. | 2.3 | 90 |
| 8 | Vertical distribution of ozone and VOCs in the low boundary layer of Mexico City. Atmospheric Chemistry and Physics, 2008, 8, 3061-3079. | 1.9 | 85 |
| 9 | An urban ecohydrological model to quantify the effect of vegetation on urban climate and hydrology (UT&C v1.0). Geoscientific Model Development, 2020, 13, 335-362. | 1.3 | 79 |
| 10 | Particle exposure and inhaled dose during commuting in Singapore. Atmospheric Environment, 2017, 170, 245-258. | 1.9 | 71 |
| 11 | The role of vegetation in the CO<sub>2</sub> flux from a tropical urban neighbourhood. Atmospheric Chemistry and Physics, 2013, 13, 10185-10202. | 1.9 | 69 |
| 12 | Experience from Integrated Air Quality Management in the Mexico City Metropolitan Area and Singapore. Atmosphere, 2019, 10, 512. | 1.0 | 66 |
| 13 | Multiâ€year energy balance and carbon dioxide fluxes over a residential neighbourhood in a tropical city. International Journal of Climatology, 2017, 37, 2679-2698. | 1.5 | 62 |
| 14 | Flux measurements of volatile organic compounds from an urban landscape. Geophysical Research Letters, 2005, 32, . | 1.5 | 60 |
| 15 | Impact of urban canopy models and external parameters on the modelled urban energy balance in a tropical city. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1581-1596. | 1.0 | 58 |
| 16 | Sources and sinks of carbon dioxide in a neighborhood of Mexico City. Atmospheric Environment, 2014, 97, 226-238. | 1.9 | 54 |
| 17 | Exploratory study of particle-bound polycyclic aromatic hydrocarbons in different environments of Mexico City. Atmospheric Environment, 2004, 38, 4957-4968. | 1.9 | 53 |
| 18 | Particle exposure and inhaled dose while commuting by public transport in Mexico City. Atmospheric Environment, 2019, 219, 117044. | 1.9 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Particles exposure while sitting at bus stops of hot and humid Singapore. Atmospheric Environment, 2016, 142, 251-263. | 1.9 | 43 |
| 20 | Ozoneâ€™s threat hits back Mexico city. Sustainable Cities and Society, 2017, 31, 260-263. | 5.1 | 41 |
| 21 | Review of Singapore's air quality and greenhouse gas emissions: Current situation and opportunities. Journal of the Air and Waste Management Association, 2012, 62, 625-641. | 0.9 | 40 |
| 22 | Evaluation of an urban canopy model in a tropical city: the role of tree evapotranspiration. Environmental Research Letters, 2017, 12, 094008. | 2.2 | 39 |
| 23 | Changes in ozone production and VOC reactivity in the atmosphere of the Mexico City Metropolitan Area. Atmospheric Environment, 2020, 238, 117747. | 1.9 | 39 |
| 24 | Comparison of aromatic hydrocarbon measurements made by PTR-MS, DOAS and GC-FID during the MCMA 2003 Field Experiment. Atmospheric Chemistry and Physics, 2010, 10, 1989-2005. | 1.9 | 37 |
| 25 | Direct observations of CO2 emission reductions due to COVID-19 lockdown across European urban districts. Science of the Total Environment, 2022, 830, 154662. | 3.9 | 37 |
| 26 | Ceilometer Monitoring of Boundary-Layer Height and Its Application in Evaluating the Dilution Effect on Air Pollution. Boundary-Layer Meteorology, 2019, 172, 435-455. | 1.2 | 33 |
| 27 | Non-methane hydrocarbons in the atmosphere of Mexico City: Results of the 2012 ozone-season campaign. Atmospheric Environment, 2016, 132, 258-275. | 1.9 | 32 |
| 28 | Progress and opportunities for monitoring greenhouse gases fluxes in Mexican ecosystems: the MexFlux network. Atmosfera, 2013, 26, 325-336. | 0.3 | 31 |
| 29 | Air quality in Singapore during the 2013 smoke-haze episode over the Strait of Malacca: Lessons learned. Sustainable Cities and Society, 2015, 17, 122-131. | 5.1 | 29 |
| 30 | Energy balance in urban Mexico City: observation and parameterization during the MILAGRO/MCMA-2006 field campaign. Theoretical and Applied Climatology, 2011, 103, 501-517. | 1.3 | 25 |
| 31 | Fireworks: A major source of inorganic and organic aerosols during Christmas and New Year in Mexico city. Atmospheric Environment: X, 2019, 2, 100013. | 0.8 | 23 |
| 32 | Application of MORUSES singleâ€layer urban canopy model in a tropical city: Results from Singapore. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 576-597. | 1.0 | 19 |
| 33 | Carbon dioxide dynamics in a residential lawn of a tropical city. Journal of Environmental Management, 2021, 280, 111752. | 3.8 | 17 |
| 34 | Estimates for biogenic non-methane hydrocarbons and nitric oxide emissions in the Valley of Mexico. Atmospheric Environment, 2003, 37, 625-637. | 1.9 | 16 |
| 35 | Carbon storage estimation of tropical urban trees by an improved allometric model for aboveground biomass based on terrestrial laser scanning. Urban Forestry and Urban Greening, 2019, 44, 126387. | 2.3 | 15 |
| 36 | Chemically-resolved aerosol eddy covariance flux measurements in urban Mexico City during MILAGRO 2006. Atmospheric Chemistry and Physics, 2012, 12, 7809-7823. | 1.9 | 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. | 2.4 | 12 |
| 38 | Evaluation of an urban land surface scheme over a tropical suburban neighborhood. Theoretical and Applied Climatology, 2018, 133, 867-886. | 1.3 | 11 |
| 39 | Aerosol optical properties and brown carbon in Mexico City. Environmental Science Atmospheres, 2022, 2, 315-334. | 0.9 | 10 |
| 40 | Finding candidate locations for aerosol pollution monitoring at street level using a data-driven methodology. Atmospheric Measurement Techniques, 2015, 8, 3563-3575. | 1.2 | 9 |
| 41 | Go to field, look around, measure and then run models. Urban Climate, 2018, 24, 231-236. | 2.4 | 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. | 3.2 | 6 |
| 43 | Determining a Commutersâ€™ Exposure to Particle and Noise Pollution on Double-decker Buses. Aerosol and Air Quality Research, 2021, 21, 210165. | 0.9 | 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. | 2.4 | 5 |
| 45 | Urban Water Storage Capacity Inferred From Observed Evapotranspiration Recession. Geophysical Research Letters, 2022, 49, . | 1.5 | 5 |
| 46 | Intensive field campaigns as a means for improving scientific knowledge to address urban air pollution. Atmospheric Environment, 2021, 246, 118094. | 1.9 | 4 |
| 47 | General discussion: Aerosol formation and growth; VOC sources and secondary organic aerosols. Faraday Discussions, 2021, 226, 479-501. | 1.6 | 1 |
| 48 | Comment on â€œHighâ€Resolution, Multilayer Modeling of Singapore's Urban Climate Incorporating Local Climate Zonesâ€•by Mughal et al. (2019). Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033301. | 1.2 | 0 |
| 49 | General discussion: Urban air quality; Meteorological influences and air quality trends. Faraday Discussions, 2021, 226, 191-206. | 1.6 | 0 |