

William Vizquete

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,461
citations

236925

25
h-index

214800

47
g-index

78
all docs

78
docs citations

78
times ranked

3294
citing authors

#	ARTICLE	IF	CITATIONS
1	Racial/Ethnic Disparities in Alzheimer's Disease Risk: Role of Exposure to Ambient Fine Particles. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 977-985.	3.6	19
2	B vitamin intakes modify the association between particulate air pollutants and incidence of all-cause dementia: Findings from the Women's Health Initiative Memory Study. <i>Alzheimer's and Dementia</i> , 2022, 18, 2188-2198.	0.8	6
3	Meteorological based parameters and ozone exceedances in Houston and other cities in Texas. <i>Journal of the Air and Waste Management Association</i> , 2022, , .	1.9	4
4	PM _{2.5} Associated With Gray Matter Atrophy Reflecting Increased Alzheimer Risk in Older Women. <i>Neurology</i> , 2021, 96, .	1.1	19
5	Estimation of toxicity of airborne particulates. , 2021, , 111-125.		0
6	Wood fires: Domesticated. , 2021, , 129-145.		0
7	Alternative fuels. , 2021, , 181-197.		1
8	The importance of being small (with apologies to Oscar Wilde). , 2021, , 59-75.		0
9	Ozone: Good high, bad nigh. , 2021, , 39-55.		0
10	Adherence to a MIND-Like Dietary Pattern, Long-Term Exposure to Fine Particulate Matter Air Pollution, and MRI-Based Measures of Brain Volume: The Women's Health Initiative Memory Study-MRI. <i>Environmental Health Perspectives</i> , 2021, 129, 127008.	6.0	14
11	Exposure to fine particulate matter and temporal dynamics of episodic memory and depressive symptoms in older women. <i>Environment International</i> , 2020, 135, 105196.	10.0	31
12	Particulate matter and episodic memory decline mediated by early neuroanatomic biomarkers of Alzheimer's disease. <i>Brain</i> , 2020, 143, 289-302.	7.6	126
13	Erythrocyte omega-3 index, ambient fine particle exposure, and brain aging. <i>Neurology</i> , 2020, 95, e995-e1007.	1.1	15
14	Identifying the Transcriptional Response of Cancer and Inflammation-Related Genes in Lung Cells in Relation to Ambient Air Chemical Mixtures in Houston, Texas. <i>Environmental Science & Technology</i> , 2020, 54, 13807-13816.	10.0	7
15	Heterogeneous Hydroxyl Radical Oxidation of Isoprene-Epoxydiol-Derived Methyltetrol Sulfates: Plausible Formation Mechanisms of Previously Unexplained Organosulfates in Ambient Fine Aerosols. <i>Environmental Science and Technology Letters</i> , 2020, 7, 460-468.	8.7	43
16	Ambient measurements of monoterpenes near Cannabis cultivation facilities in Denver, Colorado. <i>Atmospheric Environment</i> , 2020, 232, 117510.	4.1	5
17	Predicting secondary organic aerosol phase state and viscosity and its effect on multiphase chemistry in a regional-scale air quality model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8201-8225.	4.9	42
18	Î±-Pinene-Derived organic coatings on acidic sulfate aerosol impacts secondary organic aerosol formation from isoprene in a box model. <i>Atmospheric Environment</i> , 2019, 213, 456-462.	4.1	21

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19	Particulate Air Pollutants and Trajectories of Depressive Symptoms in Older Women. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1083-1096.	1.2	16
20	Chemical Characteristics and Ozone Production in the Northern Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13397-13419.	3.3	18
21	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. <i>Environmental Science & Technology</i> , 2019, 53, 8682-8694.	10.0	111
22	Potential regional air quality impacts of cannabis cultivation facilities in Denver, Colorado. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13973-13987.	4.9	13
23	Evaluating wildfire emissions projection methods in comparisons of simulated and observed air quality. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15157-15181.	4.9	1
24	Leaf enclosure measurements for determining volatile organic compound emission capacity from Cannabis spp.. <i>Atmospheric Environment</i> , 2019, 199, 80-87.	4.1	19
25	Effect of the Aerosol-Phase State on Secondary Organic Aerosol Formation from the Reactive Uptake of Isoprene-Derived Epoxydiols (IEPOX). <i>Environmental Science and Technology Letters</i> , 2018, 5, 167-174.	8.7	131
26	Projecting wildfire emissions over the south-eastern United States to mid-century. <i>International Journal of Wildland Fire</i> , 2018, 27, 313.	2.4	4
27	Particulate air pollutants, APOE alleles and their contributions to cognitive impairment in older women and to amyloidogenesis in experimental models. <i>Translational Psychiatry</i> , 2017, 7, e1022-e1022.	4.8	298
28	High Time to Assess the Environmental Impacts of Cannabis Cultivation. <i>Environmental Science & Technology</i> , 2017, 51, 2531-2533.	10.0	15
29	Finely Resolved On-Road PM _{2.5} and Estimated Premature Mortality in Central North Carolina. <i>Risk Analysis</i> , 2017, 37, 2420-2434.	2.7	6
30	Impact of temporal upscaling and chemical transport model horizontal resolution on reducing ozone exposure misclassification. <i>Atmospheric Environment</i> , 2017, 166, 374-382.	4.1	9
31	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017, 51, 8166-8175.	10.0	53
32	Regionalized PM _{2.5} Community Multiscale Air Quality model performance evaluation across a continuous spatiotemporal domain. <i>Atmospheric Environment</i> , 2017, 148, 258-265.	4.1	23
33	A Voxel-Based Morphometry Study Reveals Local Brain Structural Alterations Associated with Ambient Fine Particles in Older Women. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 495.	2.0	87
34	Bayesian Maximum Entropy Integration of Ozone Observations and Model Predictions: A National Application. <i>Environmental Science & Technology</i> , 2016, 50, 4393-4400.	10.0	34
35	Modeled response of ozone to electricity generation emissions in the northeastern United States using three sensitivity techniques. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 456-469.	1.9	2
36	In vitro exposure to isoprene-derived secondary organic aerosol by direct deposition and its effects on <i>COX-2</i> and <i>IL-8</i> gene expression. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14079-14090.	4.9	26

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37	Constraining condensed-phase formation kinetics of secondary organic aerosol components from isoprene epoxydiols. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1245-1254.	4.9	46
38	Assessment of biological responses of EpiAirway 3-D cell constructs versus A549 cells for determining toxicity of ambient air pollution. <i>Inhalation Toxicology</i> , 2016, 28, 251-259.	1.6	43
39	From the Field to the Laboratory: Air Pollutant-Induced Genomic Effects in Lung Cells. <i>Environmental Health Insights</i> , 2015, 9s4, EHI.S15656.	1.7	6
40	Evaluation of updated nitric acid chemistry on ozone precursors and radiative effects. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5973-5986.	4.9	9
41	Comparison of Highly Resolved Model-Based Exposure Metrics for Traffic-Related Air Pollutants to Support Environmental Health Studies. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15605-15625.	2.6	5
42	Assessment of SAPRC07 with updated isoprene chemistry against outdoor chamber experiments. <i>Atmospheric Environment</i> , 2015, 105, 109-120.	4.1	7
43	Heterogeneous Reactions of Isoprene-Derived Epoxides: Reaction Probabilities and Molar Secondary Organic Aerosol Yield Estimates. <i>Environmental Science and Technology Letters</i> , 2015, 2, 38-42.	8.7	89
44	Implementation and refinement of a surface model for heterogeneous HONO formation in a 3-D chemical transport model. <i>Atmospheric Environment</i> , 2015, 112, 356-368.	4.1	12
45	Impacts of heterogeneous HONO formation on radical sources and ozone chemistry in Houston, Texas. <i>Atmospheric Environment</i> , 2015, 112, 344-355.	4.1	12
46	A modeling framework for characterizing near-road air pollutant concentration at community scales. <i>Science of the Total Environment</i> , 2015, 538, 905-921.	8.0	34
47	Evaluation of model-predicted hazardous air pollutants (HAPs) near a mid-sized U.S. airport. <i>Atmospheric Environment</i> , 2015, 119, 107-117.	4.1	11
48	Application of chemical vapor generation systems to deliver constant gas concentrations for <i>in vitro</i> exposure to volatile organic compounds. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2703-2710.	3.5	5
49	The Gillings Sampler – An electrostatic air sampler as an alternative method for aerosol <i>in vitro</i> exposure studies. <i>Chemico-Biological Interactions</i> , 2014, 220, 158-168.	4.0	23
50	Relationship between boundary layer heights and growth rates with ground-level ozone in Houston, Texas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6230-6245.	3.3	49
51	A Multiscale Modeling Study to Assess Impacts of Full-Flight Aircraft Emissions on Upper Troposphere and Surface Air Quality. <i>Springer Proceedings in Complexity</i> , 2014, , 197-203.	0.3	0
52	Nitrogen dioxide and allergic sensitization in the 2005–2006 National Health and Nutrition Examination Survey. <i>Respiratory Medicine</i> , 2013, 107, 1763-1772.	2.9	28
53	Epoxide as a precursor to secondary organic aerosol formation from isoprene photooxidation in the presence of nitrogen oxides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6718-6723.	7.1	266
54	A multisensor evaluation of the Asymmetric Convective Model, Version 2, in Southeast Texas. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 41-53.	1.9	7

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55	Evaluation of aromatic oxidation reactions in seven chemical mechanisms with an outdoor chamber. <i>Environmental Chemistry</i> , 2013, 10, 245.	1.5	6
56	Houston's rapid ozone increases: preconditions and geographic origins. <i>Environmental Chemistry</i> , 2013, 10, 260.	1.5	7
57	Assessment of a regulatory model's performance relative to large spatial heterogeneity in observed ozone in Houston, Texas. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 696-706.	1.9	7
58	Combining Bayesian methods and aircraft observations to constrain the HO ₂ + NO ₂ reaction rate. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 653-667.	4.9	33
59	In Vitro Exposures in Diesel Exhaust Atmospheres: Resuspension of PM from Filters versus Direct Deposition of PM from Air. <i>Environmental Science & Technology</i> , 2012, 46, 9062-9070.	10.0	57
60	Modeling secondary organic aerosol formation from xylene and aromatic mixtures using a dynamic partitioning approach incorporating particle aqueous-phase chemistry (II). <i>Atmospheric Environment</i> , 2012, 56, 250-260.	4.1	8
61	Modeling secondary organic aerosol using a dynamic partitioning approach incorporating particle aqueous-phase chemistry. <i>Atmospheric Environment</i> , 2011, 45, 1126-1137.	4.1	25
62	Evaluation of simulated photochemical partitioning of oxidized nitrogen in the upper troposphere. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 275-291.	4.9	37
63	Comparison of Lagrangian Process Analysis tools for Eulerian air quality models. <i>Atmospheric Environment</i> , 2011, 45, 5200-5211.	4.1	17
64	Issues with Ozone Attainment Methodology for Houston, TX. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 238-253.	1.9	11
65	Burden of disease attributed to anthropogenic air pollution in the United Arab Emirates: Estimates based on observed air quality data. <i>Science of the Total Environment</i> , 2010, 408, 5784-5793.	8.0	61
66	Evaluation of Relative Response Factor Methodology for Demonstrating Attainment of Ozone in Houston, Texas. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 838-848.	1.9	6
67	The Influence of Model Resolution on Ozone in Industrial Volatile Organic Compound Plumes. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1105-1117.	1.9	27
68	Deciphering the Role of Radical Precursors during the Second Texas Air Quality Study. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1258-1277.	1.9	65
69	Comparisons of modeled and observed isoprene concentrations in southeast Texas. <i>Atmospheric Environment</i> , 2008, 42, 1922-1940.	4.1	18
70	Reductions in ozone concentrations due to controls on variability in industrial flare emissions in Houston, Texas. <i>Atmospheric Environment</i> , 2008, 42, 4198-4211.	4.1	24
71	Modeling ozone formation from industrial emission events in Houston, Texas. <i>Atmospheric Environment</i> , 2008, 42, 7641-7650.	4.1	45
72	Application of a Lagrangian Process Analysis tool to characterize ozone formation in Southeast Texas. <i>Atmospheric Environment</i> , 2008, 42, 5743-5759.	4.1	16

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73	The effect of variability in industrial emissions on ozone formation in Houston, Texas. Atmospheric Environment, 2007, 41, 9580-9593.	4.1	42
74	Modeling the impacts of emission events on ozone formation in Houston, Texas. Atmospheric Environment, 2006, 40, 5329-5341.	4.1	52
75	Sesquiterpene Emissions and Secondary Organic Aerosol Formation Potentials for Southeast Texas Special Issue of Aerosol Science and Technology on Findings from the Fine Particulate Matter Supersites Program. Aerosol Science and Technology, 2004, 38, 167-181.	3.1	26