

Taciana Albuquerque

List of Publications by Year in descending order

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papers

865
citations

471509
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times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	An evaluation of the photochemical air quality modeling using CMAQ in the industrial area of Quintero-Puchuncavi-Concon, Chile. <i>Atmospheric Pollution Research</i> , 2022, 13, 101336.	3.8	5
2	Coastal-urban meteorology: A sensitivity study using the WRF-urban model. <i>Urban Climate</i> , 2022, 44, 101185.	5.7	4
3	Coupled models using radar network database to assess vehicular emissions in current and future scenarios. <i>Science of the Total Environment</i> , 2021, 761, 143207.	8.0	4
4	Avoidable mortality by implementing more restrictive fine particles standards in Brazil: An estimation using satellite surface data. <i>Environmental Research</i> , 2021, 192, 110288.	7.5	11
5	Vehicular air pollutant emissions in a developing economy with the widespread use of biofuels. <i>Urban Climate</i> , 2021, 38, 100889.	5.7	3
6	How mobility restrictions policy and atmospheric conditions impacted air quality in the State of São Paulo during the COVID-19 outbreak. <i>Environmental Research</i> , 2021, 198, 111255.	7.5	18
7	Source apportionment modelling of PM _{2.5} using CMAQ-ISAM over a tropical coastal-urban area. <i>Atmospheric Pollution Research</i> , 2021, 12, 101250.	3.8	13
8	Traffic data in air quality modeling: A review of key variables, improvements in results, open problems and challenges in current research. <i>Atmospheric Pollution Research</i> , 2020, 11, 454-468.	3.8	35
9	Air quality status and trends over large cities in South America. <i>Environmental Science and Policy</i> , 2020, 114, 422-435.	4.9	45
10	Fine particles as a public health indicator in Brazil: from monitoring to modeling. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 1453-1463.	3.3	4
11	Quantifying the impact of particle matter on mortality and hospitalizations in four Brazilian metropolitan areas. <i>Journal of Environmental Management</i> , 2020, 270, 110840.	7.8	22
12	Association between the incidence of acute respiratory diseases in children and ambient concentrations of SO ₂ , PM ₁₀ and chemical elements in fine particles. <i>Environmental Research</i> , 2020, 188, 109619.	7.5	22
13	Top-down vehicle emission inventory for spatial distribution and dispersion modeling of particulate matter. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35952-35970.	5.3	25
14	Avoiding hospital admissions for respiratory system diseases by complying to the final Brazilian air quality standard: an estimate for Brazilian southeast capitals. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35889-35907.	5.3	4
15	Kriging method application and traffic behavior profiles from local radar network database: A proposal to support traffic solutions and air pollution control strategies. <i>Sustainable Cities and Society</i> , 2020, 56, 102062.	10.4	29
16	Influence of land use on the performance of the WRF model in a humid tropical climate. <i>Theoretical and Applied Climatology</i> , 2020, 141, 201-214.	2.8	5
17	Mortality risks due to long-term ambient sulphur dioxide exposure: large variability of relative risk in the literature. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35908-35917.	5.3	9
18	Urban air quality, climate, and pollution: from measurement to modeling applications. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35873-35874.	5.3	3

#	ARTICLE	IF	CITATIONS
19	Avaliação da influência das condições meteorológicas na concentração de material particulado fino (MP2,5) em Belo Horizonte, MG. Engenharia Sanitaria E Ambiental, 2019, 24, 371-381.	0.5	10
20	Analysis of PM2.5 concentrations under pollutant emission control strategies in the metropolitan area of São Paulo, Brazil. Environmental Science and Pollution Research, 2019, 26, 33216-33227.	5.3	21
21	Performance evaluation of a photochemical model using different boundary conditions over the urban and industrialized metropolitan area of Vitória, Brazil. Environmental Science and Pollution Research, 2019, 26, 16125-16144.	5.3	22
22	Influence of Meteorology on Fine Particles Concentration in Vitória Metropolitan Region During Wintertime. Revista Brasileira De Meteorologia, 2019, 34, 459-470.	0.5	6
23	REGULATED AIR POLLUTANT EMISSIONS FROM HIGHER EMITTERS STATIONARY SOURCES IN BELO HORIZONTE, MINAS GERAIS, BRAZIL. Brazilian Journal of Chemical Engineering, 2019, 36, 775-784.	1.3	6
24	ASSESSMENT OF PRIMARY AIR POLLUTANTS IN A TROPICAL METROPOLITAN REGION BY COMBINING LOCAL AND GLOBAL EMISSIONS INVENTORIES. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	1
25	WRF-SMOKE-CMAQ modeling system for air quality evaluation in São Paulo megacity with a 2008 experimental campaign data. Environmental Science and Pollution Research, 2018, 25, 36555-36569.	5.3	31
26	Inventário de Emissões com Alta Resolução para a Região da Grande Vitória Utilizando o Sistema de Modelagem Integrada WRF-SMOKE-CMAQ. Revista Brasileira De Meteorologia, 2018, 33, 521-536.	0.5	6
27	Excess deaths associated with fine particulate matter in Brazilian cities. Atmospheric Environment, 2018, 194, 71-81.	4.1	37
28	EVALUATION OF THE CHEMICAL TRANSPORT OF AIR POLLUTANTS IN THE METROPOLITAN REGION OF SALVADOR, BRAZIL. , 2018, , .		3
29	Air quality in the megacity of São Paulo: Evolution over the last 30 years and future perspectives. Atmospheric Environment, 2017, 159, 66-82.	4.1	171
30	Extreme value analysis of air pollution data and their comparison between two large urban regions of South America. Weather and Climate Extremes, 2017, 18, 44-54.	4.1	38
31	The development of a new model to simulate the dispersion of rocket exhaust clouds. Aerospace Science and Technology, 2017, 69, 298-312.	4.8	4
32	Inter-relações entre as concentrações de ozônio e de dióxido de nitrogênio na região da Grande Vitória, Espírito Santo, Brasil. Engenharia Sanitaria E Ambiental, 2017, 22, 679-690.	0.5	1
33	Solution of the Atmospheric Diffusion Equation with Longitudinal Wind Speed Depending on Source Distance. Revista Brasileira De Meteorologia, 2016, 31, 202-210.	0.5	5
34	Evaluation of weather research and forecasting model parameterizations under sea-breeze conditions in a North Sea coastal environment. Journal of Meteorological Research, 2016, 30, 998-1018.	2.4	22
35	New directions: From biofuels to wood stoves: The modern and ancient air quality challenges in the megacity of São Paulo. Atmospheric Environment, 2016, 140, 364-369.	4.1	71
36	Study of the Thermal Internal Boundary Layer in Sea Breeze Conditions Using Different Parameterizations: Application of the WRF Model in the Greater Vitória Region. Revista Brasileira De Meteorologia, 2016, 31, 593-609.	0.5	20

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37	Impactos das Variáveis Meteorológicas na Qualidade do Ar da Região da Grande Vitória, Espírito Santo, Brasil. Revista Brasileira De Meteorologia, 2016, 31, 546-554.	0.5	2
38	PREVISÃO DA CONCENTRAÇÃO DE OZÔNIO NA REGIÃO DA GRANDE VITÓRIA, ESPÍRITO SANTO, BRASIL, UTILIZANDO O MODELO ARMAX-GARCH. Revista Brasileira De Meteorologia, 2015, 30, 285-294.	0.5	3
39	Simulation of Rocket Exhaust Clouds at the Centro de Lançamento de Alcântara Using the WRF-CMAQ Modeling System. Journal of Aerospace Technology and Management, 2014, 6, 119-128.	0.3	4
40	A contribution to solve the atmospheric diffusion equation with eddy diffusivity depending on source distance. Atmospheric Environment, 2014, 83, 254-259.	4.1	29
41	Automatic methods to detect the top of atmospheric boundary layer. Proceedings of SPIE, 2013, , .	0.8	2
42	Characterization of atmospheric aerosols in the city of São Paulo, Brazil: comparisons between polluted and unpolluted periods. Environmental Monitoring and Assessment, 2012, 184, 969-984.	2.7	43
43	Potential health impact of ultrafine particles under clean and polluted urban atmospheric conditions: a model-based study. Air Quality, Atmosphere and Health, 2010, 3, 29-39.	3.3	45
44	On the Analytical Formulations for Pollutant Dispersion Simulation in the Atmospheric Boundary Layer. , 0, , .		0
45	Impact of emission control strategies on air quality: a case study in Piracicaba, São Paulo—Brazil. International Journal of Environmental Science and Technology, 0, , 1.	3.5	0
46	Evaluating the Impact of Large Eddy Simulations in Rocket Exhaust Modeling. , 0, , .		1