Taciana Albuquerque

List of Publications by Year
in descending order

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46	865	471509 17	501196 28
papers	citations	h-index	g-index

46	46	46	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Air quality in the megacity of SÃ£o Paulo: Evolution over the last 30 years and future perspectives. Atmospheric Environment, 2017, 159, 66-82.	4.1	171
2	New directions: From biofuels to wood stoves: The modern and ancient air quality challenges in the megacity of SÃ£o Paulo. Atmospheric Environment, 2016, 140, 364-369.	4.1	71
3	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
4	Air quality status and trends over large cities in South America. Environmental Science and Policy, 2020, 114, 422-435.	4.9	45
5	Characterization of atmospheric aerosols in the city of SÃ£o Paulo, Brazil: comparisons between polluted and unpolluted periods. Environmental Monitoring and Assessment, 2012, 184, 969-984.	2.7	43
6	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
7	Excess deaths associated with fine particulate matter in Brazilian cities. Atmospheric Environment, 2018, 194, 71-81.	4.1	37
8	Traffic data in air quality modeling: A review of key variables, improvements in results, open problems and challenges in current research. Atmospheric Pollution Research, 2020, 11, 454-468.	3.8	35
9	WRF-SMOKE-CMAQ modeling system for air quality evaluation in SÃ£o Paulo megacity with a 2008 experimental campaign data. Environmental Science and Pollution Research, 2018, 25, 36555-36569.	5.3	31
10	A contribution to solve the atmospheric diffusion equation with eddy diffusivity depending on source distance. Atmospheric Environment, 2014, 83, 254-259.	4.1	29
11	Kriging method application and traffic behavior profiles from local radar network database: A proposal to support traffic solutions and air pollution control strategies. Sustainable Cities and Society, 2020, 56, 102062.	10.4	29
12	Top-down vehicle emission inventory for spatial distribution and dispersion modeling of particulate matter. Environmental Science and Pollution Research, 2020, 27, 35952-35970.	5.3	25
13	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
14	Performance evaluation of a photochemical model using different boundary conditions over the urban and industrialized metropolitan area of VitÃ³ria, Brazil. Environmental Science and Pollution Research, 2019, 26, 16125-16144.	5.3	22
15	Quantifying the impact of particle matter on mortality and hospitalizations in four Brazilian metropolitan areas. Journal of Environmental Management, 2020, 270, 110840.	7.8	22
16	Association between the incidence of acute respiratory diseases in children and ambient concentrations of SO2, PM10 and chemical elements in fine particles. Environmental Research, 2020, 188, 109619.	7.5	22
17	Analysis of PM2.5 concentrations under pollutant emission control strategies in the metropolitan area of SÃ£o Paulo, Brazil. Environmental Science and Pollution Research, 2019, 26, 33216-33227.	5.3	21
18	Study of the Thermal Internal Boundary Layer in Sea Breeze Conditions Using Different Parameterizations: Application of the WRF Model in the Greater VitÃ³ria Region. Revista Brasileira De Meteorologia, 2016, 31, 593-609.	0.5	20

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19	How mobility restrictions policy and atmospheric conditions impacted air quality in the State of SÃ£o Paulo during the COVID-19 outbreak. Environmental Research, 2021, 198, 111255.	7.5	18
20	Source apportionment modelling of PM2.5 using CMAQ-ISAM over a tropical coastal-urban area. Atmospheric Pollution Research, 2021, 12, 101250.	3.8	13
21	Avoidable mortality by implementing more restrictive fine particles standards in Brazil: An estimation using satellite surface data. Environmental Research, 2021, 192, 110288.	7.5	11
22	AvaliaÃ§Ã£o da influÃªncia das condiÃ§Ãµes meteorolÃ³gicas na concentraÃ§Ã£o de material particulado fino (MP2,5) em Belo Horizonte, MG. Engenharia Sanitaria E Ambiental, 2019, 24, 371-381.	0.5	10
23	Mortality risks due to long-term ambient sulphur dioxide exposure: large variability of relative risk in the literature. Environmental Science and Pollution Research, 2020, 27, 35908-35917.	5.3	9
24	InventÃ¡rio de EmissÃµes com Alta ResoluÃ§Ã£o para a RegiÃ£o da Grande VitÃ³ria Utilizando o Sistema de Modelagem Integrada WRF-SMOKE-CMAQ. Revista Brasileira De Meteorologia, 2018, 33, 521-536.	0.5	6
25	Influence of Meteorology on Fine Particles Concentration in VitÃ³ria Metropolitan Region During Wintertime. Revista Brasileira De Meteorologia, 2019, 34, 459-470.	0.5	6
26	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
27	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
28	Influence of land use on the performance of the WRF model in a humid tropical climate. Theoretical and Applied Climatology, 2020, 141, 201-214.	2.8	5
29	An evaluation of the photochemical air quality modeling using CMAQ in the industrial area of Quintero-Puchuncavi-Concon, Chile. Atmospheric Pollution Research, 2022, 13, 101336.	3.8	5
30	Simulation of Rocket Exhaust Clouds at the Centro de LanÃ§amento de AlcÃ¢ntara Using the WRF-CMAQ Modeling System. Journal of Aerospace Technology and Management, 2014, 6, 119-128.	0.3	4
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	Fine particles as a public health indicator in Brazil: from monitoring to modeling. Air Quality, Atmosphere and Health, 2020, 13, 1453-1463.	3.3	4
33	Avoiding hospital admissions for respiratory system diseases by complying to the final Brazilian air quality standard: an estimate for Brazilian southeast capitals. Environmental Science and Pollution Research, 2020, 27, 35889-35907.	5.3	4
34	Coupled models using radar network database to assess vehicular emissions in current and future scenarios. Science of the Total Environment, 2021, 761, 143207.	8.0	4
35	Coastal-urban meteorology: A sensitivity study using the WRF-urban model. Urban Climate, 2022, 44, 101185.	5.7	4
36	PREVISÃƒO DA CONCENTRAÃ‡ÃƒO DE OZÃ”NIO NA REGIÃƒO DA GRANDE VITÃ“RIA, ESPÃRITO SANTO, BRASIL, UTILIZANDO O MODELO ARMAX-GARCH. Revista Brasileira De Meteorologia, 2015, 30, 285-294.	0.5	3

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37	Vehicular air pollutant emissions in a developing economy with the widespread use of biofuels. Urban Climate, 2021, 38, 100889.	5.7	3
38	Urban air quality, climate, and pollution: from measurement to modeling applications. Environmental Science and Pollution Research, 2020, 27, 35873-35874.	5.3	3
39	EVALUATION OF THE CHEMICAL TRANSPORT OF AIR POLLUTANTS IN THE METROPOLITAN REGION OF SALVADOR, BRAZIL. , 2018, , .		3
40	Automatic methods to detect the top of atmospheric boundary layer. Proceedings of SPIE, 2013, , .	0.8	2
41	Impactos das VariÃ¡veis MeteorolÃ³gicas na Qualidade do Ar da RegiÃ£o da Grande VitÃ³ria, EspÃrito Santo, Brasil. Revista Brasileira De Meteorologia, 2016, 31, 546-554.	0.5	2
42	Inter-relaÃ§Ãµes entre as concentraÃ§Ãµes de ozÃ´nio e de diÃ³xido de nitrogÃªnio na regiÃ£o da Grande VitÃ³ria, EspÃrito Santo, Brasil. Engenharia Sanitaria E Ambiental, 2017, 22, 679-690.	0.5	1
43	Evaluating the Impact of Large Eddy Simulations in Rocket Exhaust Modeling. , 0, , .		1
44	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
45	On the Analytical Formulations for Pollutant Dispersion Simulation in the Atmospheric Boundary Layer. , 0, , .		0
46	Impact of emission control strategies on air quality: a case study in Piracicaba, SÃ£o Pauloâ€”Brazil. International Journal of Environmental Science and Technology, 0, , 1.	3.5	0