Jane M Santos

List of Publications by Year
in descending order

68	1,105	394286 19	477173 29
papers	citations	h-index	g-index
69	69	69	1110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exposure and dose assessment of school children to air pollutants in a tropical coastal-urban area. Science of the Total Environment, 2022, 803, 149747.	3.9	9
2	Influence of urban form on air quality: The combined effect of block typology and urban planning indices on city breathability. Science of the Total Environment, 2022, 814, 152670.	3.9	20
3	The mineralogical composition of coarse and fine particulate material, their fate, and sources in an industrialized region of southeastern Brazil. Environmental Monitoring and Assessment, 2022, 194, 88.	1.3	9
4	The impact of urban block typology on pollutant dispersion. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 210, 104524.	1.7	25
5	Deconstruction of annoyance due to air pollution by multiple correspondence analyses. Environmental Science and Pollution Research, 2021, 28, 47904-47920.	2.7	3
6	A review on the role of dispersion and receptor models in asthma research. Environmental Pollution, 2021, 287, 117529.	3.7	4
7	Modelling atmospheric emissions from wastewater treatment plants: Implications of land-to-water roughness change. Science of the Total Environment, 2021, 792, 148330.	3.9	4
8	Uncommon chemical species in PM2.5 and PM10 and its potential use as industrial and vehicular markers for source apportionment studies. Chemosphere, 2020, 240, 124953.	4.2	11
9	Assessing particle dry deposition in an urban environment by using dispersion models. Atmospheric Pollution Research, 2020, 11, 1-10.	1.8	10
10	An experimental and numerical study of the aeolian erosion of isolated and successive piles. Environmental Fluid Mechanics, 2020, 20, 123-144.	0.7	3
11	Use of multivariate time series techniques to estimate the impact of particulate matter on the perceived annoyance. Atmospheric Environment, 2020, 222, 117080.	1.9	10
12	Air quality status and trends over large cities in South America. Environmental Science and Policy, 2020, 114, 422-435.	2.4	45
13	Comparison of mass transfer parameters inside a USEPA flux hood for two VOCs. Water Science and Technology, 2020, 81, 1445-1451.	1.2	0
14	Experimental and numerical investigation of building effects on wind erosion of a granular material stockpile. Environmental Science and Pollution Research, 2020, 27, 36013-36026.	2.7	2
15	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.	3.7	22
16	Influence of land use on the performance of the WRF model in a humid tropical climate. Theoretical and Applied Climatology, 2020, 141, 201-214.	1.3	5
17	The role of receptor models as tools for air quality management: a case study of an industrialized urban region. Environmental Science and Pollution Research, 2020, 27, 35918-35929.	2.7	4
18	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.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Urban air quality, climate, and pollution: from measurement to modeling applications. Environmental Science and Pollution Research, 2020, 27, 35873-35874.	2.7	3
20	Effects of flux chamber configuration on the sampling of odorous gases emissions. International Journal of Heat and Mass Transfer, 2019, 140, 918-930.	2.5	5
21	Using Large-Eddy Simulation and Wind-Tunnel Data to Investigate Peak-to-Mean Concentration Ratios in an Urban Environment. Boundary-Layer Meteorology, 2019, 172, 333-350.	1.2	9
22	Influence of non-erodible particles with multimodal size distribution on aeolian erosion of storage piles of granular materials. Environmental Fluid Mechanics, 2019, 19, 583-599.	0.7	2
23	Use of inorganic and organic markers associated with their directionality for the apportionment of highly correlated sources of particulate matter. Science of the Total Environment, 2019, 651, 1332-1343.	3.9	24
24	Mass transfer inside a flux hood for the sampling of gaseous emissions from liquid surfaces – Experimental assessment and emission rate rescaling. Atmospheric Environment, 2018, 179, 227-238.	1.9	13
25	Trends in analytical techniques applied to particulate matter characterization: A critical review of fundaments and applications. Chemosphere, 2018, 199, 546-568.	4.2	61
26	A new methodology to derive settleable particulate matter guidelines to assist policy-makers on reducing public nuisance. Atmospheric Environment, 2018, 182, 242-251.	1.9	13
27	Generalized Additive Models with Principal Component Analysis: An Application to Time Series of Respiratory Disease and Air Pollution Data. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 453-480.	0.5	41
28	A critical review on liquid-gas mass transfer models for estimating gaseous emissions from passive liquid surfaces in wastewater treatment plants. Water Research, 2018, 130, 388-406.	5.3	30
29	Indoor air quality in an Antarctic Research Station: Fungi, particles and aldehyde concentrations associated with building materials and architectural design. Indoor and Built Environment, 2018, 27, 1322-1340.	1.5	2
30	Impact of human activities on the concentration of indoor air particles in an antarctic research station. Ambiente Construído, 2018, 18, 463-477.	0.2	2
31	Resonant Synchrotron X-ray Diffraction determines markers for iron-rich atmospheric particulate matter in urban region. Chemosphere, 2018, 212, 418-428.	4.2	14
32	Sensitivity analysis of the WATER9 model: emissions of odorous compounds from passive liquid surfaces present in wastewater treatment plants. Water Science and Technology, 2018, 2017, 903-912.	1.2	5
33	Analysis of the interface configuration and flow characteristics in tanks in a multiphase liquid–gas system using numerical simulation. Journal of Turbulence, 2017, 18, 688-716.	0.5	1
34	Wind friction parametrisation used in emission models for wastewater treatment plants: A critical review. Water Research, 2017, 124, 49-66.	5.3	8
35	Source apportionment of settleable particles in an impacted urban and industrialized region in Brazil. Environmental Science and Pollution Research, 2017, 24, 22026-22039.	2.7	48
36	Large-eddy simulations of turbulent flow structures near a quiescent liquid–gas interface for gaseous compounds emissions studies. Applied Mathematical Modelling, 2017, 42, 29-42.	2.2	1

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37	Association between the concentration of fine particles in the atmosphere and acute respiratory diseases in children. Revista De Saude Publica, 2017, 51, 3.	0.7	24
38	Influence of the fetch parameter on results from empirical correlations for estimating odorous emissions at passive liquid surfaces. Water Science and Technology, 2016, 74, 2384-2391.	1.2	5
39	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.	0.9	22
40	Volatile organic compounds speciation and their influence on ozone formation potential in an industrialized urban area in Brazil. Environmental Technology (United Kingdom), 2016, 37, 2133-2148.	1.2	17
41	Characterization of the indoor particles and their sources in an Antarctic research station. Environmental Monitoring and Assessment, 2016, 188, 167.	1.3	14
42	Dynamic flux chamber measurements of hydrogen sulfide emission rate from a quiescent surface – A computational evaluation. Chemosphere, 2016, 146, 426-434.	4.2	17
43	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.	0.2	20
44	Principal components and generalized linear modeling in the correlation between hospital admissions and air pollution. Revista De Saude Publica, 2014, 48, 451-458.	0.7	24
45	Aeolian erosion of storage piles yards: contribution of the surrounding areas. Environmental Fluid Mechanics, 2014, 14, 51-67.	0.7	10
46	Numerical modelling of aeolian erosion over a surface with non‐uniformly distributed roughness elements. Earth Surface Processes and Landforms, 2014, 39, 156-166.	1.2	10
47	Modeling and forecasting daily average PM10 concentrations by a seasonal long-memory model with volatility. Environmental Modelling and Software, 2014, 51, 286-295.	1.9	32
48	Development of a fluctuating plume model for odour dispersion around buildings. Atmospheric Environment, 2014, 89, 148-157.	1.9	19
49	Effects of non-erodible particles on aeolian erosion: Wind-tunnel simulations of a sand oblong storage pile. Atmospheric Environment, 2013, 79, 672-680.	1.9	11
50	Kinetic models of hydrogen sulphide formation in anaerobic bioreactors. Environmental Technology Reviews, 2013, 2, 45-54.	2.1	1
51	Numerical modelling of odour dispersion around a cubical obstacle using large eddy simulation. Water Science and Technology, 2012, 66, 1549-1557.	1.2	1
52	Impact assessment of odours emitted by a wastewater treatment plant. Water Science and Technology, 2012, 66, 2223-2228.	1.2	13
53	Volatilization of hydrogen sulfide from a quiescent surface. Water Science and Technology, 2012, 66, 1991-1996.	1.2	4
54	Experimental surface flow visualization and numerical investigation of flow structure around an oblong stockpile. Environmental Fluid Mechanics, 2012, 12, 533-553.	0.7	10

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55	An experimental determination of the H2S overall mass transfer coefficient from quiescent surfaces at wastewater treatment plants. Atmospheric Environment, 2012, 60, 18-24.	1.9	38
56	Modelling of odour dispersion around a pig farm building complex using AERMOD and CALPUFF. Comparison with wind tunnel results. Building and Environment, 2012, 56, 8-20.	3.0	59
57	Comparative analysis of dust emissions: isolated stockpile vs two nearby stockpiles. WIT Transactions on Ecology and the Environment, 2012, , .	0.0	1
58	Experimental investigation of outdoor and indoor mean concentrations and concentration fluctuations of pollutants. Atmospheric Environment, 2011, 45, 6534-6545.	1.9	16
59	Numerical simulation of flow and dispersion around an isolated cubical building: The effect of the atmospheric stratification. Atmospheric Environment, 2009, 43, 5484-5492.	1.9	53
60	Experimental investigation of averaging time effects on building influenced atmospheric dispersion under different meteorological stability conditions. Building and Environment, 2009, 44, 1295-1305.	3.0	20
61	Mathematical modelling of hydrogen sulphide emission and removal in aerobic biofilters comprising chemical oxidation. Water Research, 2009, 43, 3355-3364.	5.3	24
62	Parametric study of liquid droplets impinging on porous surfaces. Applied Mathematical Modelling, 2008, 32, 341-361.	2.2	53
63	Parâmetros bioquímicos foliares das espécies Licania tomentosa (Benth.) e Bauhinia forficata (Link.) para avaliação da qualidade do ar. Quimica Nova, 2008, 31, 1925-1932.	0.3	7
64	Modelling hydrogen sulphide emission in a WWTP with UASB reactor followed by aerobic biofilters. Water Science and Technology, 2006, 54, 173-180.	1.2	9
65	MRI investigation of the evaporation of embedded liquid droplets from porous surfaces under different drying regimes. International Journal of Heat and Mass Transfer, 2006, 49, 951-961.	2.5	12
66	A field experiment on turbulent concentration fluctuations of an atmospheric tracer gas in the vicinity of a complex-shaped building. Atmospheric Environment, 2005, 39, 4999-5012.	1.9	25
67	Numerical simulation of the impact of liquid droplets on porous surfaces. Journal of Computational Physics, 2004, 198, 747-770.	1.9	53
68	Comparison of methods for assessment of children exposure to air pollution: dispersion model, ambient monitoring, and personal samplers. Air Quality, Atmosphere and Health, 0, , 1.	1.5	3