Neyval costa Reis

List of Publications by Year
in descending order

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56	972	430843	477281
papers	citations	18 h-index	29 g-index

57	57	57	1006
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.	8.0	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.	8.0	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.	2.7	9
4	Deconstruction of annoyance due to air pollution by multiple correspondence analyses. Environmental Science and Pollution Research, 2021, 28, 47904-47920.	5.3	3
5	A review on the role of dispersion and receptor models in asthma research. Environmental Pollution, 2021, 287, 117529.	7.5	4
6	Use of multivariate time series techniques to estimate the impact of particulate matter on the perceived annoyance. Atmospheric Environment, 2020, 222, 117080.	4.1	10
7	Air quality status and trends over large cities in South America. Environmental Science and Policy, 2020, 114, 422-435.	4.9	45
8	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
9	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
10	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.	5.3	4
11	Local and non-local effects of building arrangements on pollutant fluxes within the urban canopy. Building and Environment, 2019, 147, 23-34.	6.9	13
12	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.	8.0	24
13	Influence of Meteorology on Fine Particles Concentration in VitÃ³ria Metropolitan Region During Wintertime. Revista Brasileira De Meteorologia, 2019, 34, 459-470.	0.5	6
14	Trends in analytical techniques applied to particulate matter characterization: A critical review of fundaments and applications. Chemosphere, 2018, 199, 546-568.	8.2	61
15	A new methodology to derive settleable particulate matter guidelines to assist policy-makers on reducing public nuisance. Atmospheric Environment, 2018, 182, 242-251.	4.1	13
16	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.	2.8	2
17	AvaliaÃ§Ã£o e percepÃ§Ã£o do usuÃ¡rio em relaÃ§Ã£o ao conforto tÃ©rmico e qualidade do ar em varandas com fechamento em vidros mÃ³veis situadas em uma regiÃ£o urbana industrializada. GestÃ£o & Tecnologia De Projetos, 2018, 13, 57-78.	0.1	0
18	Impact of human activities on the concentration of indoor air particles in an antarctic research station. Ambiente ConstruÃdo, 2018, 18, 463-477.	0.4	2

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19	Resonant Synchrotron X-ray Diffraction determines markers for iron-rich atmospheric particulate matter in urban region. Chemosphere, 2018, 212, 418-428.	8.2	14
20	Analysis of the interface configuration and flow characteristics in tanks in a multiphase liquidâ€“gas system using numerical simulation. Journal of Turbulence, 2017, 18, 688-716.	1.4	1
21	Wind friction parametrisation used in emission models for wastewater treatment plants: A critical review. Water Research, 2017, 124, 49-66.	11.3	8
22	Source apportionment of settleable particles in an impacted urban and industrialized region in Brazil. Environmental Science and Pollution Research, 2017, 24, 22026-22039.	5.3	48
23	Large-eddy simulations of turbulent flow structures near a quiescent liquidâ€“gas interface for gaseous compounds emissions studies. Applied Mathematical Modelling, 2017, 42, 29-42.	4.2	1
24	Association between the concentration of fine particles in the atmosphere and acute respiratory diseases in children. Revista De Saude Publica, 2017, 51, 3.	1.7	24
25	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
26	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.	2.2	17
27	Characterization of the indoor particles and their sources in an Antarctic research station. Environmental Monitoring and Assessment, 2016, 188, 167.	2.7	14
28	Dynamic flux chamber measurements of hydrogen sulfide emission rate from a quiescent surface â€“ A computational evaluation. Chemosphere, 2016, 146, 426-434.	8.2	17
29	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
30	CFD modelling of helically coiled tube flocculators for velocity gradient assessment. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 187-198.	1.6	15
31	Modeling and forecasting daily average PM10 concentrations by a seasonal long-memory model with volatility. Environmental Modelling and Software, 2014, 51, 286-295.	4.5	32
32	Development of a fluctuating plume model for odour dispersion around buildings. Atmospheric Environment, 2014, 89, 148-157.	4.1	19
33	Kinetic models of hydrogen sulphide formation in anaerobic bioreactors. Environmental Technology Reviews, 2013, 2, 45-54.	4.3	1
34	Automatic methods to detect the top of atmospheric boundary layer. Proceedings of SPIE, 2013, , .	0.8	2
35	Numerical modelling of odour dispersion around a cubical obstacle using large eddy simulation. Water Science and Technology, 2012, 66, 1549-1557.	2.5	1
36	Impact assessment of odours emitted by a wastewater treatment plant. Water Science and Technology, 2012, 66, 2223-2228.	2.5	13

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37	Volatilization of hydrogen sulfide from a quiescent surface. Water Science and Technology, 2012, 66, 1991-1996.	2.5	4
38	An experimental determination of the H2S overall mass transfer coefficient from quiescent surfaces at wastewater treatment plants. Atmospheric Environment, 2012, 60, 18-24.	4.1	38
39	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.	6.9	59
40	Analysis of Indoor Aldehydes in the Comandante Ferraz Antarctic Station. INCT-APA Annual Activity Report, 2012, , 178-183.	0.0	0
41	Experimental investigation of outdoor and indoor mean concentrations and concentration fluctuations of pollutants. Atmospheric Environment, 2011, 45, 6534-6545.	4.1	16
42	Numerical simulation of flow and dispersion around an isolated cubical building: The effect of the atmospheric stratification. Atmospheric Environment, 2009, 43, 5484-5492.	4.1	53
43	Experimental investigation of averaging time effects on building influenced atmospheric dispersion under different meteorological stability conditions. Building and Environment, 2009, 44, 1295-1305.	6.9	20
44	Mathematical modelling of hydrogen sulphide emission and removal in aerobic biofilters comprising chemical oxidation. Water Research, 2009, 43, 3355-3364.	11.3	24
45	Parametric study of liquid droplets impinging on porous surfaces. Applied Mathematical Modelling, 2008, 32, 341-361.	4.2	53
46	ParÃ¢metros bioquÃmicos foliares das espÃ©cies Licania tomentosa (Benth.) e Bauhinia forficata (Link.) para avaliaÃ§Ã£o da qualidade do ar. Quimica Nova, 2008, 31, 1925-1932.	0.3	7
47	Modelling hydrogen sulphide emission in a WWTP with UASB reactor followed by aerobic biofilters. Water Science and Technology, 2006, 54, 173-180.	2.5	9
48	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.	4.8	12
49	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.	4.1	25
50	Numerical simulation of the impact of liquid droplets on porous surfaces. Journal of Computational Physics, 2004, 198, 747-770.	3.8	53
51	Investigation of the evaporation of embedded liquid droplets from porous surfaces using magnetic resonance imaging. International Journal of Heat and Mass Transfer, 2003, 46, 1279-1292.	4.8	47
52	MRI studies of the evaporation of a single liquid droplet from porous surfaces. Magnetic Resonance Imaging, 2003, 21, 293-297.	1.8	23
53	Finite difference simulations of the Navier-Stokes equations using parallel distributed computing. , 0, , .		4
54	Atmospheric Flow at AlcÃ¢ntara Launch Center. CiÃªncia E Natura, 0, 42, e35.	0.0	0

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55	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.	3.3	3
56	Atmospheric Flow at Alcantara Launch Center. Journal of Aerospace Technology and Management, 0, 14, .	0.3	0