Richard Toro Araya

List of Publications by Year
in descending order

26	480	759055 12	713332 21
papers	citations	h-index	g-index

27	27	27	714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Particulate matter in urban areas of south-central Chile exceeds air quality standards. Air Quality, Atmosphere and Health, 2017, 10, 653-667.	1.5	50
2	Exploring atmospheric stagnation during a severe particulate matter air pollution episode over complex terrain in Santiago, Chile. Environmental Pollution, 2019, 244, 705-714.	3.7	48
3	Particulate matter levels in a South American megacity: the metropolitan area of Lima-Callao, Peru. Environmental Monitoring and Assessment, 2017, 189, 635.	1.3	44
4	Air pollution and COVID-19 lockdown in a large South American city: Santiago Metropolitan Area, Chile. Urban Climate, 2021, 36, 100803.	2.4	39
5	Landfill fire and airborne aerosols in a large city: lessons learned and future needs. Air Quality, Atmosphere and Health, 2018, 11, 111-121.	1.5	35
6	Airborne Aerosols and Human Health: Leapfrogging from Mass Concentration to Oxidative Potential. Atmosphere, 2020, 11, 917.	1.0	35
7	Inhaled and inspired particulates in Metropolitan Santiago Chile exceed air quality standards. Building and Environment, 2014, 79, 115-123.	3.0	25
8	Urban Atmospheric Ammonia in Santiago City, Chile. Aerosol and Air Quality Research, 2014, 14, 33-44.	0.9	22
9	Effects of COVID-19 pandemic control measures on air pollution in Lima metropolitan area, Peru in South America. Air Quality, Atmosphere and Health, 2021, 14, 925-933.	1.5	20
10	Photochemical ozone pollution in the Valparaiso Region, Chile. Air Quality, Atmosphere and Health, 2014, 7, 1-11.	1.5	16
11	Dithiothreitol-based oxidative potential for airborne particulate matter: an estimation of the associated uncertainty. Environmental Science and Pollution Research, 2020, 27, 29672-29680.	2.7	15
12	Accuracy and reliability of Chile's National Air Quality Information System for measuring particulate matter: Beta attenuation monitoring issue. Environment International, 2015, 82, 101-109.	4.8	14
13	A study of water-soluble inorganic ions in size-segregated aerosols in atmospheric pollution episode. International Journal of Environmental Science and Technology, 2014, 11, 437-448.	1.8	13
14	The Effect of COVID-19 Lockdowns on the Air Pollution of Urban Areas of Central and Southern Chile. Aerosol and Air Quality Research, 2021, 21, 200677.	0.9	13
15	Potential local and regional impacts of particulate matter emitted from one of the worldâ€™s largest open-pit coal mines. Air Quality, Atmosphere and Health, 2018, 11, 601-610.	1.5	12
16	Carbonaceous Aerosols in Fine Particulate Matter of Santiago Metropolitan Area, Chile. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	11
17	Ozone, nitrogen oxides, and volatile organic compounds in a central zone of Chile. Air Quality, Atmosphere and Health, 2015, 8, 545-557.	1.5	11
18	Trends and threshold exceedances analysis of airborne pollen concentrations in Metropolitan Santiago Chile. PLoS ONE, 2015, 10, e0123077.	1.1	10

#	Article	IF	Citations
19	Estimating the uncertainty in the atmospheric ammonia concentration in an urban area by Ogawa passive samplers. Microchemical Journal, 2013, 110, 340-349.	2.3	8
20	Trend and recovery of the total ozone column in South America and Antarctica. Climate Dynamics, 2017, 49, 3735-3752.	1.7	8
21	Local Air Quality Issues and Research Priorities Through the Lenses of Chilean Experts: An Ontological Analysis. Integrated Environmental Assessment and Management, 2021, 17, 273-281.	1.6	6
22	Exploring the oxidative potential and respiratory deposition of size-segregated particulate matter at an urban site. Journal of South American Earth Sciences, 2021, 105, 102957.	0.6	6
23	Long-term airborne particle pollution assessment in the city of Coyhaique, Patagonia, Chile. Urban Climate, 2022, 43, 101144.	2.4	6
24	DETERMINATION OF MINING ACTIVITY OF RIVER SEDIMENTS OF THREE CHILEAN BASINS BY PARTICLE INDUCED X-RAY EMISSION (PIXE). Journal of the Chilean Chemical Society, 2012, 57, 1400-1403.	0.5	4
25	Short-term air pollution events in the Atacama desert, Chile. Journal of South American Earth Sciences, 2021, 105, 103010.	0.6	3
26	Urban atmospheric particle size distribution in Santiago, Chile. Atmospheric Pollution Research, 2021, 12, 101201.	1.8	2