A review of AirQ Models and their applications for forec outcomes

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Citation Report

#	Article	IF	Citations
1	Acute myocardial infarction and COPD attributed to ambient SO2 in Iran. Environmental Research, 2017, 156, 683-687.	3.7	77
2	B(a)P adduct levels and fertility: A cross-sectional study in a Sicilian population. Molecular Medicine Reports, 2017, 15, 3398-3404.	1.1	28
3	Human health impact assessment of exposure to particulate matter: an AirQ software modeling. Environmental Science and Pollution Research, 2017, 24, 16513-16519.	2.7	37
4	Hospital admissions in Iran for cardiovascular and respiratory diseases attributed to the Middle Eastern Dust storms. Environmental Science and Pollution Research, 2017, 24, 16860-16868.	2.7	70
5	Asthma disease as cause of admission to hospitals due to exposure to ambient oxidants in Mashhad, Iran. Environmental Science and Pollution Research, 2017, 24, 27402-27408.	2.7	34
6	Association Between PM 2.5 Exposure and the Prognosis of Patients with Acute Myocardial Infraction. Archives of Medical Research, 2017, 48, 292-296.	1.5	9
7	Linking Air Quality and Human Health Effects Models: An Application to the Los Angeles Air Basin. Environmental Health Insights, 2017, 11, 117863021773755.	0.6	33
8	A new recycling technique for the waste tires reuse. Environmental Research, 2017, 158, 462-469.	3.7	49
9	Monitoring and Evaluation of Terni (Central Italy) Air Quality through Spatially Resolved Analyses. Atmosphere, 2017, 8, 200.	1.0	18
10	Source Apportionment of Total Suspended Particles (TSP) by Positive Matrix Factorization (PMF) and Chemical Mass Balance (CMB) Modeling in Ahvaz, Iran. Archives of Environmental Contamination and Toxicology, 2018, 75, 278-294.	2.1	19
11	Mortality assessment attributed to long-term exposure to fine particles in ambient air of the megacity of Tehran, Iran. Environmental Science and Pollution Research, 2018, 25, 14254-14262.	2.7	49
12	Health impacts quantification of ambient air pollutants using AirQ model approach in Hamadan, Iran. Environmental Research, 2018, 161, 114-121.	3.7	105
13	Disability Adjusted Life Years (DALYs) in Terms of Years of Life Lost (YLL) Due to Premature Adult Mortalities and Postneonatal Infant Mortalities Attributed to PM2.5 and PM10 Exposures in Kuwait. International Journal of Environmental Research and Public Health, 2018, 15, 2609.	1.2	33
14	Healthy Design and Urban Planning Strategies, Actions, and Policy to Achieve Salutogenic Cities. International Journal of Environmental Research and Public Health, 2018, 15, 2698.	1.2	90
15	A general method for evaluating the effects of air pollutants on lung cancer prevalence. Journal of the Air and Waste Management Association, 2018, 68, 1366-1377.	0.9	3
16	Air Quality Monitoring Network Design Optimisation for Robust Land Use Regression Models. Sustainability, 2018, 10, 1442.	1.6	11
17	Mortality and morbidity for cardiopulmonary diseases attributed to PM2.5 exposure in the metropolis of Rome, Italy. European Journal of Internal Medicine, 2018, 57, 49-57.	1.0	59
18	Prediction of mortality resulted from NO2 concentration in Tehran by Air Q+â€‰software and artificial neural network. International Journal of Environmental Science and Technology, 2019, 16, 1351-1368.	1.8	17

#	Article	IF	Citations
19	Modeling atmospheric emissions during olive husk drying and study of meteorological factors effect in the vicinity of urban areas. Journal of King Saud University - Science, 2019, 31, 635-641.	1.6	3
20	Parameterization and evaluation of the CALMET/CALPUFF model system in near-field and complex terrain - Terrain data, grid resolution and terrain adjustment method. Science of the Total Environment, 2019, 689, 31-46.	3.9	30
21	Exposure levels of air pollution (PM2.5) and associated health risk in Kuwait. Environmental Research, 2019, 179, 108730.	3.7	61
22	The hospitalization attributable burden of acute exacerbations of chronic obstructive pulmonary disease due to ambient air pollution in Shijiazhuang, China. Environmental Science and Pollution Research, 2019, 26, 30866-30875.	2.7	15
23	Effect of O3, PM10 and PM2.5 on cardiovascular and respiratory diseases in cities of France, Iran and Italy. Environmental Science and Pollution Research, 2019, 26, 32645-32665.	2.7	89
24	Associations of short-term exposure to air pollution with respiratory hospital admissions in Ahvaz, Iran. Chemical Engineering Research and Design, 2019, 123, 150-160.	2.7	18
25	Development of land use regression model and health risk assessment for NO2 in different functional areas: A case study of Xi'an, China. Atmospheric Environment, 2019, 213, 515-525.	1.9	27
26	Tire waste management system in Cyprus in the framework of circular economy strategy. Environmental Science and Pollution Research, 2019, 26, 35445-35460.	2.7	62
27	Role of Emerging Environmental Risk Factors in Thyroid Cancer: A Brief Review. International Journal of Environmental Research and Public Health, 2019, 16, 1185.	1.2	114
28	Evaluation of mortality attributed to air pollution in the three most populated cities in Serbia. International Journal of Environmental Science and Technology, 2019, 16, 7059-7070.	1.8	12
29	Air pollution and respiratory hospital admissions in Shiraz, Iran, 2009 to 2015. Atmospheric Environment, 2019, 209, 233-239.	1.9	28
30	Air pollution modeling and exposure assessment during pregnancy in the French Longitudinal Study of Children (ELFE). Atmospheric Environment, 2019, 205, 103-114.	1.9	7
31	Estimate annual and seasonal PM1, PM2.5 and PM10 concentrations using land use regression model. Ecotoxicology and Environmental Safety, 2019, 174, 137-145.	2.9	60
32	Indoor air in healing environments. Facilities, 2019, 37, 600-623.	0.8	16
33	An urban-rural and sex differences in cancer incidence and mortality and the relationship with PM2.5 exposure: An ecological study in the southeastern side of Hu line. Chemosphere, 2019, 216, 766-773.	4.2	47
34	Levels and health risks of PM2.5-bound toxic metals from firework/firecracker burning during festival periods in response to management strategies. Ecotoxicology and Environmental Safety, 2019, 171, 406-413.	2.9	36
35	Meteorological correlates and AirQ+ health risk assessment of ambient fine particulate matter in Tehran, Iran. Environmental Research, 2019, 170, 141-150.	3.7	61
36	Quantifying and spatial disaggregation of air pollution emissions from ground transportation in a developing country context: Case study for the Lima Metropolitan Area in Peru. Science of the Total Environment, 2020, 698, 134313.	3.9	39

#	Article	IF	Citations
37	Assessment of shipping emission factors through monitoring and modelling studies. Science of the Total Environment, 2020, 743, 140742.	3.9	29
38	Ionic liquid-based membranes for water softening. , 2020, , 239-286.		1
39	An optimized sample preparation and analysis method for the determination of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in the atmospheric bulk deposition samples. Journal of Chromatography A, 2020, 1633, 461599.	1.8	6
40	Indoor air quality prediction systems for smart environments: AÂsystematic review. Journal of Ambient Intelligence and Smart Environments, 2020, 12, 433-453.	0.8	24
41	Concentrations and mortality due to short- and long-term exposure to PM2.5 in a megacity of Iran (2014â€“2019). Environmental Science and Pollution Research, 2020, 27, 38004-38014.	2.7	47
42	Health and climate benefits of Electric Vehicle Deployment in the Greater Toronto and Hamilton Area. Environmental Pollution, 2020, 265, 114983.	3.7	32
43	Environmental Particulate Matter Levels during 2017 Large Forest Fires and Megafires in the Center Region of Portugal: A Public Health Concern?. International Journal of Environmental Research and Public Health, 2020, 17, 1032.	1.2	32
44	Cookstove Smoke Impact on Ambient Air Quality and Probable Consequences for Human Health in Rural Locations of Southern Nepal. International Journal of Environmental Research and Public Health, 2020, 17, 550.	1.2	19
45	Spatial estimation of outdoor NO2 levels in Central London using deep neural networks and a wavelet decomposition technique. Ecological Modelling, 2020, 424, 109017.	1.2	29
46	A study of cardiorespiratory related mortality as a result of exposure to black carbon. Science of the Total Environment, 2020, 725, 138422.	3.9	28
47	Impact of exposure to ambient air pollutants on the admission rate of hospitals for asthma disease in Shiraz, southern Iran. Chemosphere, 2021, 262, 128091.	4.2	10
48	Impact assessment of river dust on regional air quality through integrated remote sensing and air quality modeling. Science of the Total Environment, 2021, 755, 142621.	3.9	13
49	Impact of the environment on the health: From theory to practice. Environmental Research, 2021, 194, 110517.	3.7	10
50	Accuracy improvement in airâ€quality forecasting using regressor combination with missing data imputation. Computational Intelligence, 2021, 37, 226-252.	2.1	3
51	Multitask Air-Quality Prediction Based on LSTM-Autoencoder Model. IEEE Transactions on Cybernetics, 2021, 51, 2577-2586.	6.2	75
52	The Impact of the COVID-19 outbreak on climate change and air quality: four country case studies. Global Sustainability, 2021, 4, .	1.6	13
53	Non-communicable Diseases in the Era of Precision Medicine: An Overview of the Causing Factors and Prospects. , 2021, , 275-299.		0
54	A new buffer selection strategy for land use regression model of PM2.5 in Xiâ€™an, China. Environmental Science and Pollution Research, 2021, 28, 21245-21255.	2.7	2

#	Article	IF	Citations
55	Models and Measures forÂAtmospheric Pollution Monitoring. Studies in Systems, Decision and Control, 2021, , 227-266.	0.8	7
56	Monitoring the Air Pollution with UAVs. Studies in Systems, Decision and Control, 2021, , 191-225.	0.8	9
57	Air pollution levels near crossroads with different traffic density and the estimation of health risk. Environmental Geochemistry and Health, 2021, 43, 3935-3952.	1.8	5
58	Spatial patterns and temporal variations of traffic-related air pollutants and estimating its health effects in Isfahan city, Iran. Journal of Environmental Health Science & Engineering, 2021, 19, 781-791.	1.4	19
59	Designing a Sustainable Green Closed-Loop Supply Chain under Uncertainty and Various Capacity Levels. Logistics, 2021, 5, 20.	2.4	15
60	Dispersion of NO2 and SO2 pollutants in the rolling industry with AERMOD model: a case study to assess human health risk. Journal of Environmental Health Science & Engineering, 2021, 19, 1287-1298.	1.4	12
61	Evaluation of the offline-coupled GFSv15â€“FV3â€“CMAQv5.0.2 in support of the next-generation National Air Quality Forecast Capability over the contiguous United States. Geoscientific Model Development, 2021, 14, 3969-3993.	1.3	2
62	Emission characterization and co-benefits of bus rapid transit: A case study in Hanoi, Vietnam. Atmospheric Pollution Research, 2021, 12, 101148.	1.8	5
63	Inhalation Exposure to Atmospheric Nanoparticles and Its Associated Impacts on Human Health: A Review. Frontiers in Sustainable Cities, 2021, 3, .	1.2	55
64	A questionnaire based probabilistic risk assessment (PRA) of heavy metals in urban and suburban soils under different land uses and receptor populations. Science of the Total Environment, 2021, 793, 148525.	3.9	15
65	The association of hospital emergency admissions due to respiratory-cardiovascular diseases and acute myocardial infarction with air pollution in Tehran during 2005-2014. Medical Journal of the Islamic Republic of Iran, 2018, 32, 440-445.	0.9	6
66	Optimising Citizen-Driven Air Quality Monitoring Networks for Cities. ISPRS International Journal of Geo-Information, 2018, 7, 468.	1.4	10
67	Protecting building occupants against the inhalation of outdoor-origin aerosols. Atmospheric Environment, 2022, 268, 118773.	1.9	2
68	Estimation of cardiovascular and respiratory diseases attributed to PM10 using AirQ model in Urmia during 2011-2017. Medical Journal of the Islamic Republic of Iran, 2020, 34, 60.	0.9	0
69	Estimation of long-term and short-term health effects attributed to PM2.5 standard pollutants in the air of Ardabil (using Air Qâ€‰+â€‰model). Environmental Science and Pollution Research, 2022, 29, 21508-21516.	2.7	18
70	High spatial resolution effect on ozone pollution modelling: Case study of Agadir city (Morocco). Materials Today: Proceedings, 2021, , .	0.9	1
71	Improving predictability of high-ozone episodes through dynamic boundary conditions, emission refresh and chemical data assimilation during the Long Island Sound Tropospheric Ozone Study (LISTOS) field campaign. Atmospheric Chemistry and Physics, 2021, 21, 16531-16553.	1.9	5
72	Prognosis of boundary layer assimilative capacity over a landlocked urban district in India: A prelude to exposure risk assessment. Urban Climate, 2022, 41, 101076.	2.4	2

#	Article	IF	Citations
73	Gated Recurrent Unit Coupled with Projection to Model Plane Imputation for the PM2.5 Prediction for Guangzhou City, China. Frontiers in Environmental Science, 2022, 9, .	1.5	6
74	Screening Approach for Short-Term PM2.5 Health Co-Benefits: A Case Study from 15 Metropolitan Cities around the World during the COVID-19 Pandemic. Atmosphere, 2022, 13, 18.	1.0	6
76	Two-way coupled meteorology and air quality models in Asia: a systematic review and meta-analysis of impacts of aerosol feedbacks on meteorology and air quality. Atmospheric Chemistry and Physics, 2022, 22, 5265-5329.	1.9	13
77	Ambient Air Pollution Exposure Assessments in Fertility Studies: a Systematic Review and Guide for Reproductive Epidemiologists. Current Epidemiology Reports, 2022, 9, 87-107.	1.1	2
79	Machine Learning for Determining Interactions between Air Pollutants and Environmental Parameters in Three Cities of Iran. Sustainability, 2022, 14, 8027.	1.6	2
80	An Air Quality Monitoring and Forecasting System for Lima City With Low-Cost Sensors and Artificial Intelligence Models. Frontiers in Sustainable Cities, 0, 4, .	1.2	1
81	Assessment of meteorological settings on air quality modeling systemâ€"a proposal for UN-SDG and regulatory studies in non-homogeneous regions in Brazil. Environmental Science and Pollution Research, 0, , .	2.7	1
82	An air quality prediction model based on improved Vanilla LSTM with multichannel input and multiroute output. Expert Systems With Applications, 2023, 211, 118422.	4.4	9
83	Ambient air pollutants and respiratory health outcomes in Tabriz and Urmia, two metropolises of Iran. Environmental Monitoring and Assessment, 2022, 194, .	1.3	1
84	Household air pollution and its impact on human health: the case of Vihiga County, Kenya. Air Quality, Atmosphere and Health, 2022, 15, 2255-2268.	1.5	2
85	Neighborhood Emission Mapping Operation (NEMO): A 1-km anthropogenic emission dataset in the United States. Scientific Data, 2022, 9, .	2.4	4
86	Performance evaluation of asphalt binder and mixture modified by pre-treated crumb rubber. Construction and Building Materials, 2023, 362, 129777.	3.2	9
87	Burden of Natural-Cause and Cause-Specific Mortality Associated with Long-Term Exposure to PM2.5: A Case Study in Attica Region, Greece. Atmosphere, 2022, 13, 2026.	1.0	1
88	Assessment of health impact of the surface ozone on a population residing at Agadir city (Morocco) using the AirQ+ model. E3S Web of Conferences, 2023, 364, 02003.	0.2	0
89	Premature deaths related to urban air pollution in Poland. Atmospheric Environment, 2023, 301, 119723.	1.9	10
92	Temporal and Spatial Characteristics of the Economic Burden Related to Long-Term PM2.5 and O3 Exposure in Greece for the Period 2004â€"2019. , 0, , .		0
95	Visualization Models Applied to Atmospheric Pollutants and Meteorological Variables: A Systematic Literature Review. Communications in Computer and Information Science, 2023, , 464-481.	0.4	0