## High-PM10 concentration episodes in Seoul, Korea: Bac meteorological conditions

Atmospheric Environment 45, 7240-7247 DOI: 10.1016/j.atmosenv.2011.08.071

**Citation Report** 

#	Article	IF	CITATIONS
1	Influence of transboundary air pollutants from China on the high-PM10 episode in Seoul, Korea for the period October 16–20, 2008. Atmospheric Environment, 2013, 77, 430-439.	4.1	93
2	Spatiotemporal Variations and Evaluations of Ambient PM <sub>10</sub> Concentrations in Nanchong City, China. Advanced Materials Research, 0, 955-959, 1255-1258.	0.3	0
3	Characteristics of particulate matter (PM10) and its relationship withÂmeteorological factors during 2001–2012 in Beijing. Environmental Pollution, 2014, 192, 266-274.	7.5	123
4	Ambient particulate matter (PM10) concentrations in major urban areas of Korea during 1996–2010. Atmospheric Pollution Research, 2014, 5, 161-169.	3.8	41
5	Anomaly detection and assessment of PM 10 functional data at several locations in the Klang Valley, Malaysia. Atmospheric Pollution Research, 2015, 6, 365-375.	3.8	37
6	Improvement of PM10 prediction in East Asia using inverse modeling. Atmospheric Environment, 2015, 106, 318-328.	4.1	34
7	Long-range transport of air pollutants originating in China: A possible major cause of multi-day high-PM10 episodes during cold season in Seoul, Korea. Atmospheric Environment, 2015, 109, 23-30.	4.1	132
8	Analysis of air mass trajectories in the northern plateau of the Iberian Peninsula. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 9-21.	1.6	9
9	A novel hybrid forecasting model for PM10 and SO2 daily concentrations. Science of the Total Environment, 2015, 505, 1202-1212.	8.0	122
10	Airborne Measurements of High Pollutant Concentration Events in the Free Troposphere over the West Coast of South Korea between 1997 and 2011. Aerosol and Air Quality Research, 2016, 16, 1118-1130.	2.1	10
11	Health risks zonation in megacities vis-Ã-vis PM using GIS-based model. Journal of Fundamental and Applied Sciences, 2016, 8, 193.	0.2	3
13	Evaluating the predictability of PM10 grades in Seoul, Korea using aÂneural network model based on synoptic patterns. Environmental Pollution, 2016, 218, 1324-1333.	7.5	26
14	Satellite-measured atmospheric aerosol content in Korea: anthropogenic signals from decadal records. GIScience and Remote Sensing, 2016, 53, 634-650.	5.9	3
15	Influence of Southeast Asian Haze episodes on high PM10 concentrations across Brunei Darussalam. Environmental Pollution, 2016, 219, 337-352.	7.5	36
16	Consumer perceptions of climate change and willingness to pay for mandatory implementation of low carbon labels: the case of South Korea. International Food and Agribusiness Management Review, 2016, 19, 129-144.	1.4	8
17	Two notable features in PM10 data and analysis of their causes. Air Quality, Atmosphere and Health, 2017, 10, 991-998.	3.3	4
18	ENSO-related PM10 variability on the Korean Peninsula. Atmospheric Environment, 2017, 167, 426-433.	4.1	24
19	Contribution of atmospheric dry deposition to stormwater loads for PAHs and trace metals in a small and highly trafficked urban road catchment. Environmental Science and Pollution Research, 2017, 24, 26497-26512	5.3	21

#	Article	IF	CITATIONS
20	On the multiday haze in the Asian continental outflow: the important role of synoptic conditions combined with regional and local sources. Atmospheric Chemistry and Physics, 2017, 17, 9311-9332.	4.9	70
22	Does Air Pollution Affect Consumption Behavior? Evidence from Korean Retail Sales. SSRN Electronic Journal, 2017, , .	0.4	1
23	An analysis of chemical and meteorological characteristics of haze events in the Seoul metropolitan area during January 12–18, 2013. Atmospheric Environment, 2018, 178, 87-100.	4.1	22
24	Characterization of PM2.5 and identification of transported secondary and biomass burning contribution in Seoul, Korea. Environmental Science and Pollution Research, 2018, 25, 4330-4343.	5.3	56
25	Possible Relationship of Weakened Aleutian Low with Air Quality Improvement in Seoul, South Korea. Journal of Applied Meteorology and Climatology, 2018, 57, 2363-2373.	1.5	16
26	Aerosol Physical Characteristics over the Yellow Sea During the KORUS-AQ Field Campaign: Observations and Air Quality Model Simulations. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 629-640.	2.3	7
27	Ceilometer Monitoring of Boundary-Layer Height and Its Application in Evaluating the Dilution Effect on Air Pollution. Boundary-Layer Meteorology, 2019, 172, 435-455.	2.3	33
28	Contrasting synoptic weather patterns between non-dust high particulate matter events and Asian dust events in Seoul, South Korea. Atmospheric Environment, 2019, 214, 116864.	4.1	30
29	The Effects of Spring and Winter Blocking on PM10 Concentration in Korea. Atmosphere, 2019, 10, 410.	2.3	22
30	Changes in the Relationship between Particulate Matter and Surface Temperature in Seoul from 2002–2017. Atmosphere, 2019, 10, 238.	2.3	23
31	Large seasonal variations in fine aerosol precipitation rates revealed using cosmogenic 7Be as a tracer. Science of the Total Environment, 2019, 673, 1-6.	8.0	15
33	Analysis of long-range transboundary transport (LRTT) effect on Korean aerosol pollution during the KORUS-AQ campaign. Atmospheric Environment, 2019, 204, 53-67.	4.1	57
34	Possible Link Between Arctic Sea Ice and January PM10 Concentrations in South Korea. Atmosphere, 2019, 10, 619.	2.3	14
35	Air quality and acid deposition impacts of local emissions and transboundary air pollution in Japan and South Korea. Atmospheric Chemistry and Physics, 2019, 19, 13309-13323.	4.9	63
36	Does Air Pollution Affect Consumption Behavior? Evidence from Korean Retail Sales*. Asian Economic Journal, 2019, 33, 235-251.	0.9	14
37	Impact of Varying Wind Patterns on PM10 Concentrations in the Seoul Metropolitan Area in South Korea from 2012 to 2016. Journal of Applied Meteorology and Climatology, 2019, 58, 2743-2754.	1.5	9
38	Risk of concentrations of major air pollutants on the prevalence of cardiovascular and respiratory diseases in urbanized area of Kuala Lumpur, Malaysia. Ecotoxicology and Environmental Safety, 2019, 171, 290-300.	6.0	41
39	Characteristics of long-lasting haze episodes observed in Seoul, South Korea, for 2009–2014. Theoretical and Applied Climatology, 2019, 136, 55-64.	2.8	6

CITATION REPORT

CITATION REPORT

#	Article	IF	CITATIONS
40	Long-Range Transport Influence on Key Chemical Components of PM2.5 in the Seoul Metropolitan Area, South Korea, during the Years 2012–2016. Atmosphere, 2020, 11, 48.	2.3	74
41	Impact of Chinese air pollutants on a record-breaking PMs episode in the Republic of Korea for 11–15 January 2019. Atmospheric Environment, 2020, 223, 117262.	4.1	39
42	Background atmospheric conditions of high PM10 concentrations in Istanbul, Turkey. Atmospheric Pollution Research, 2020, 11, 1524-1534.	3.8	22
43	Impact of Meteorological Changes on Particulate Matter and Aerosol Optical Depth in Seoul during the Months of June over Recent Decades. Atmosphere, 2020, 11, 1282.	2.3	8
44	Analysis of Weather Patterns Related to Wintertime Particulate Matter Concentration in Seoul and a CMIP6-Based Air Quality Projection. Atmosphere, 2020, 11, 1161.	2.3	3
45	High PM10 source regions and their influence on respiratory diseases in Canakkale, Turkey. International Journal of Environmental Science and Technology, 2022, 19, 797-806.	3.5	11
46	Continuous measurement of PM10 and PM2.5 concentration in coal-fired power plant stacks using a newly developed diluter and optical particle counter. Fuel, 2020, 269, 117445.	6.4	11
47	Variation Characteristics of PM10 and Its Interaction with Meteorological Effects during 2014-2016, Fuzhou, China. Journal of Physics: Conference Series, 2020, 1549, 022031.	0.4	0
48	Dominance of large-scale atmospheric circulations in long-term variations of winter PM10 concentrations over East Asia. Atmospheric Research, 2020, 238, 104871.	4.1	15
49	Transport Pathways and Potential Source Region Contributions of PM2.5 in Weifang: Seasonal Variations. Applied Sciences (Switzerland), 2020, 10, 2835.	2.5	20
50	Interaction of PM10 concentrations with local and synoptic meteorological conditions at different temporal scales. Atmospheric Research, 2020, 241, 104975.	4.1	13
51	Spatial study of particulate matter distribution, based on climatic indicators during major dust storms in the State of Arizona. Frontiers of Earth Science, 2021, 15, 133-150.	2.1	2
52	Systematic bias of WRF-CMAQ PM10 simulations for Seoul, Korea. Atmospheric Environment, 2021, 244, 117904.	4.1	8
53	Predictability of PM2.5 in Seoul based on atmospheric blocking forecasts using the NCEP global forecast system. Atmospheric Environment, 2021, 246, 118141.	4.1	7
54	Development of a PM2.5 prediction model using a recurrent neural network algorithm for the Seoul metropolitan area, Republic of Korea. Atmospheric Environment, 2021, 245, 118021.	4.1	41
55	A Possible Linkage between Dust Frequency and the Siberian High in March over Northeast Asia. Atmosphere, 2021, 12, 176.	2.3	8
56	Cold-season atmospheric conditions associated with sudden changes in PM10 concentration over Seoul, Korea. Atmospheric Pollution Research, 2021, 12, 101041.	3.8	9
57	Transboundary air pollution and health: evidence from East Asia. Environment and Development Economics, 2022, 27, 120-144.	1.5	5

#	Article	IF	CITATIONS
58	An Alternative Co-Benefit Framework Prioritizing Health Impacts: Potential Air Pollution and Climate Change Mitigation Pathways through Energy Sector Fuel Substitution in South Korea. Climate, 2021, 9, 101.	2.8	6
59	Sensitivity Analysis of the Dust-Generation Algorithm in ADAM3 by Incorporating Surface-Wetness Effects. Atmosphere, 2021, 12, 872.	2.3	3
60	Source-receptor relationship of transboundary particulate matter pollution between China, South Korea and Japan: Approaches, current understanding and limitations. Critical Reviews in Environmental Science and Technology, 2022, 52, 3896-3920.	12.8	7
61	Classification of large-scale circulation patterns and their spatio-temporal variability during High-PM10 events over the Korean Peninsula. Atmospheric Environment, 2021, 262, 118632.	4.1	12
62	Roles of meteorological factors in inter-regional variations of fine and coarse PM concentrations over the Republic of Korea. Atmospheric Environment, 2021, 264, 118706.	4.1	10
63	Impact of North Atlantic-East Asian teleconnections on extremely high January PM10 cases in Korea. Environmental Pollution, 2021, 290, 118051.	7.5	6
64	Tropical Cyclone as a Possible Remote Controller of Air Quality over South Korea through Poleward-Propagating Rossby Waves. Journal of Applied Meteorology and Climatology, 2019, 58, 2523-2530.	1.5	2
65	The Recent State of Ambient Air Quality in Jakarta. Aerosol and Air Quality Research, 2018, 18, 2343-2354.	2.1	24
66	Concentration Trajectory Route of Air pollution with an Integrated Lagrangian model (C-TRAIL Model) Tj ETQq0 (	0 0 rgBT /0 3.6	Overlock 10 Tf 22
	Model Development, 2020, 13, 3489-3505.		
67	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488.	0.2	12
67 68	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences -	0.2	12 14
	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488. Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan.		
68	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488. Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan. Journal of Environmental Science International, 2012, 21, 815-824. The Effect of Dust Emissions on PM <sub>10</sub> Concentration in East Asia. Journal of Korean	0.2	14
68 69	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD.         International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences -         ISPRS Archives, 0, XLII-4/W4, 483-488.         Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan.         Journal of Environmental Science International, 2012, 21, 815-824.         The Effect of Dust Emissions on PM <sub>10</sub> Concentration in East Asia. Journal of Korean Society for Atmospheric Environment, 2016, 32, 32-45.         Long-term Trend Analysis of Korean Air Quality and Its Implication to Current Air Quality Policy on	0.2	14 6
68 69 70	TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD.         International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488.         Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan.         Journal of Environmental Science International, 2012, 21, 815-824.         The Effect of Dust Emissions on PM <sub>10</sub> Concentration in East Asia. Journal of Korean Society for Atmospheric Environment, 2016, 32, 32-45.         Long-term Trend Analysis of Korean Air Quality and Its Implication to Current Air Quality Policy on Ozone and PM10. Journal of Korean Society for Atmospheric Environment, 2018, 34, 1-15.         A Development of Air Quality Forecasting System with Data Assimilation using Surface Measurements	0.2 1.1 1.1	14 6 35
68 69 70 71	<ul> <li>TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488.</li> <li>Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan. Journal of Environmental Science International, 2012, 21, 815-824.</li> <li>The Effect of Dust Emissions on PM<sub>10</sub> Concentration in East Asia. Journal of Korean Society for Atmospheric Environment, 2016, 32, 32-45.</li> <li>Long-term Trend Analysis of Korean Air Quality and Its Implication to Current Air Quality Policy on Ozone and PM10. Journal of Korean Society for Atmospheric Environment, 2018, 34, 1-15.</li> <li>A Development of Air Quality Forecasting System with Data Assimilation using Surface Measurements in East Asia. Journal of Korean Society for Atmospheric Environment, 2019, 35, 60-85.</li> <li>Statistical Perspectives on Air Emission Inventory for Considering Fine Particle Reduction Potential in Korea: Shouldn〙t We Also Focus on Local and Provincial-Specific Implementations?. Water, Air, and</li> </ul>	0.2 1.1 1.1 1.1	14 6 35 6
<ul> <li>68</li> <li>69</li> <li>70</li> <li>71</li> <li>72</li> </ul>	<ul> <li>TEHRAN AIR POLLUTANTS PREDICTION BASED ON RANDOM FOREST FEATURE SELECTION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 483-488.</li> <li>Meteorological Characteristics of the Wintertime High PM10Concentration Episodes in Busan. Journal of Environmental Science International, 2012, 21, 815-824.</li> <li>The Effect of Dust Emissions on PM<sub>10</sub> Concentration in East Asia. Journal of Korean Society for Atmospheric Environment, 2016, 32, 32-45.</li> <li>Long-term Trend Analysis of Korean Air Quality and Its Implication to Current Air Quality Policy on Ozone and PM10. Journal of Korean Society for Atmospheric Environment, 2018, 34, 1-15.</li> <li>A Development of Air Quality Forecasting System with Data Assimilation using Surface Measurements in East Asia. Journal of Korean Society for Atmospheric Environment, 2019, 35, 60-85.</li> <li>Statistical Perspectives on Air Emission Inventory for Considering Fine Particle Reduction Potential in Korea: Shouldn〙t We Also Focus on Local and Provincial-Specific Implementations?. Water, Air, and Soil Pollution, 2021, 232, 1.</li> <li>Use of Trajectory Regression Analysis to Understand High-PM10 Episodes: a Case Study in Limeira,</li> </ul>	0.2 1.1 1.1 2.4	14 6 35 6 0

#	Article	IF	CITATIONS
76	Impacts of Meteorological Factors on Particulate Pollution: Design of Optimization Procedure. Journal of Civil Engineering and Environmental Sciences, 2016, 2, 030-033.	0.1	0
77	Dominant Synoptic Patterns Controlling PM <sub>10</sub> Spatial Variabilities over the Korean Peninsula. Journal of the Korean Earth Science Society, 2019, 40, 476-486.	0.2	1
78	Meteorological and Emission Influences on PM2.5 Concentration in South Korea during the Seasonal Management: A Case of December 2019 to March 2020. Journal of Korean Society for Atmospheric Environment, 2020, 36, 442-463.	1.1	12
79	Hierarchical Recovery of Missing Air Pollution Data via Improved Long-Short Term Context Encoder Network. IEEE Transactions on Big Data, 2023, 9, 93-105.	6.1	4
80	Characteristics of Summertime High PM <sub>2.5</sub> Episodes and Meteorological Relevance in Busan. Journal of Environmental Science International, 2020, 29, 761-772.	0.2	1
81	Cluster Analysis of Synoptic Scale Meteorological Characteristics on High PM <sub>10</sub> Concentration Episodes in the Southeastern Part of Korean Peninsula. Journal of the Korean Earth Science Society, 2020, 41, 447-458.	0.2	1
82	An environmentally related policy impact analysis considering wind effect: evidence from suspending old coal-fired generators in South Korea. Applied Economics Letters, 0, , 1-9.	1.8	0
83	Comparison of the service life of an automotive cabin air filter under dust loading conditions of the laboratory environment and on-road driving. Journal of Aerosol Science, 2022, 162, 105972.	3.8	3
84	The Impacts of Changes in Anthropogenic Emissions Over China on PM2.5 Concentrations in South Korea and Japan During 2013–2017. Frontiers in Environmental Science, 2022, 10, .	3.3	3
85	The Effects of Urban Spatial Structure and Meteorological Factors on the High Concentration of Fine Dust Pollution. Journal of Korea Planning Association, 2022, 57, 145-160.	0.5	5
86	Untangling the contribution of input parameters to an artificial intelligence PM2.5 forecast model using the layer-wise relevance propagation method. Atmospheric Environment, 2022, 276, 119034.	4.1	8
87	Robust Spatiotemporal Estimation of PM Concentrations Using Boosting-Based Ensemble Models. Sustainability, 2021, 13, 13782.	3.2	5
91	Exacerbation of PM2.5 concentration due to unpredictable weak Asian dust storm: A case study of an extraordinarily long-lasting spring haze episode in Seoul, Korea. Atmospheric Environment, 2022, 287, 119261.	4.1	11
92	PM2.5 Forecast in Korea using the Long Short-Term Memory (LSTM) Model. Asia-Pacific Journal of Atmospheric Sciences, 2023, 59, 563-576.	2.3	5
93	Particulate Matter Concentrations over South Korea: Impact of Meteorology and Other Pollutants. Remote Sensing, 2022, 14, 4849.	4.0	9
94	Chemistry of PM2.5 in haze events in two East Asian cities during winter–spring 2019. Atmospheric Environment, 2023, 293, 119457.	4.1	4
95	Intrinsic atmospheric circulation patterns associated with high PM2.5 concentration days in South Korea during the cold season. Science of the Total Environment, 2023, 863, 160878.	8.0	6
96	Diagnostic Alarm of Dew Point Temperature for the Occurrence of Middle Eastern Dust Storms. Pure and Applied Geophysics, 2022, 179, 4657-4670.	1.9	4

CITATION REPORT

ARTICLE IF CITATIONS Seasonal Variation of Chemical Compositions in PM1.0 in the Atmosphere of Seoul. Journal of Korean 97 1.1 2 Society for Atmospheric Environment, 2022, 38, 852-868. A Development of PM2.5 Forecasting System in South Korea Using Chemical Transport Modeling and Machine Learning. Asia-Pacific Journal of Atmospheric Sciences, 2023, 59, 577-595. 2.3 Role of vertical advection and diffusion in long-range PM2.5 transport in Northeast Asia. 99 7.5 6 Environmental Pollution, 2023, 320, 120997. A multifaceted approach to explain short- and long-term PM2.5 concentration changes in Northeast 8.0 Asia in the month of January during 2016–2021. Science of the Total Environment, 2023, 880, 163309. Spatiotemporal variability of the PM2.5 distribution and weather anomalies during severe pollution 101 events: Observations from 462 air quality monitoring stations across South Korea. Atmospheric 9 3.8 Pollution Research, 2023, 14, 101676. Critical contribution of moisture to the air quality deterioration in a warm and humid weather. 3.3 Scientific Reports, 2023, 13, . Prediction of sharp change of particulate matter in Seoul via quantile mapping. Communications for 103 0.3 0 Statistical Applications and Methods, 2023, 30, 259-272. Optical Properties of Boundary Layer Aerosols From High Spectral Resolution Lidar Measurements in a Þolluted Urban Environment (Seoul, Korea). Journal of Geophysical Research D: Atmospheres, 2023, 3.3 128, Regional classification of high PM10 concentrations in the Seoul metropolitan and 105 2.7 0 Chungcheongnam-do areas, Republic of Korea. Environmental Monitoring and Assessment, 2023, 195, . Relationship analysis between meteorological factors and concentration of air pollutants. AIP 0.4 Conference Proceedings, 2023, , . Ineffective implementation of emergency reduction measures against high concentrations of 107 0 2.7 particulate matter in Seoul, Republic of Korea. Environmental Monitoring and Assessment, 2023, 195, . Arctic/North Atlantic atmospheric variability causes Severe PM10 events in South Korea. Science of 8.0 the Total Environment, 2024, 914, 169714. Assessment of potential ecological risk for polycyclic aromatic hydrocarbons in urban soils with high level of atmospheric particulate matter concentration. Ecotoxicology and Environmental Safety, 109 6.0 0 2024, 272, 116014. Anthropogenic warming degrades spring air quality in Northeast Asia by enhancing atmospheric 6.8 stability and transboundary transport. Npj Climate and Atmospheric Science, 2024, 7, . Synoptic circulation factors associated with wintertime high-PM2.5 concentrations in seoul, Republic 111 0 4.1 of Korea: Their interpretations and applications. Atmospheric Environment, 2024, 325, 120444. The Impact of Vertical Eddy Diffusivity Changes in the CMAQ Model on PM2.5 Concentration Variations 2.3 in Northeast Asia: Focusing on the Seoul Metropolitan Area. Atmosphere, 2024, 15, 376.

CITATION REPORT