

# Hwajin Kim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

916

citations

20

h-index

30

g-index

47

ext. papers

1,139

ext. citations

6.3

avg, IF

4.51

L-index

#	Paper	IF	Citations
38	Influence of intense secondary aerosol formation and long-range transport on aerosol chemistry and properties in the Seoul Metropolitan Area during spring time: results from KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7149-7168	6.8	64
37	Visible light photocatalytic activities of nitrogen and platinum-doped TiO <sub>2</sub> : Synergistic effects of co-dopants. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 642-650	21.8	61
36	Real refractive indices and volatility of secondary organic aerosol generated from photooxidation and ozonolysis of limonene, $\beta$ -pinene and toluene. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 7711-7723	6.8	61
35	Influences of emission sources and meteorology on aerosol chemistry in a polluted urban environment: results from DISCOVER-AQ California. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5427-5451	6.8	58
34	Seasonal variations in the light-absorbing properties of water-soluble and insoluble organic aerosols in Seoul, Korea. <i>Atmospheric Environment</i> , <b>2016</b> , 129, 234-242	5.3	57
33	Hydrogen peroxide generation from $\beta$ -pinene and toluene secondary organic aerosols. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3149-3156	5.3	47
32	Real refractive indices and formation yields of secondary organic aerosol generated from photooxidation of limonene and $\beta$ -pinene: the effect of the HC/NO(x) ratio. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 6059-67	2.8	46
31	Real refractive indices of $\beta$ -pinene and toluene secondary organic aerosols generated from ozonolysis and photo-oxidation. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		46
30	On the multiday haze in the Asian continental outflow: the important role of synoptic conditions combined with regional and local sources. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9311-9332	6.8	45
29	Optical Properties of Wintertime Aerosols from Residential Wood Burning in Fresno, CA: Results from DISCOVER-AQ 2013. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1681-90	10.3	43
28	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2575-2596	6.8	41
27	Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. <i>Atmospheric Environment</i> , <b>2019</b> , 200, 158-166	5.3	39
26	Wintertime water-soluble aerosol composition and particle water content in Fresno, California. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3155-3170	4.4	31
25	Sources and atmospheric processing of winter aerosols in Seoul, Korea: insights from real-time measurements using a high-resolution aerosol mass spectrometer. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2009-2033	6.8	30
24	Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , <b>2020</b> , 8,	3.6	28
23	Characterization of PM and identification of transported secondary and biomass burning contribution in Seoul, Korea. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 4330-4343	5.1	28
22	A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1616-1653	4.3	25

21	Observational assessment of the role of nocturnal residual-layer chemistry in determining daytime surface particulate nitrate concentrations. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14747-14770	6.8	25
20	Dependence of Real Refractive Indices on O:C, H:C and Mass Fragments of Secondary Organic Aerosol Generated from Ozonolysis and Photooxidation of Limonene and $\beta$ -Pinene. <i>Aerosol Science and Technology</i> , <b>2014</b> , 48, 498-507	3.4	25
19	Physicochemical and optical properties of combustion-generated particles from a coal-fired power plant, automobiles, ship engines, and charcoal kilns. <i>Fuel</i> , <b>2015</b> , 161, 120-128	7.1	24
18	Hygroscopic properties of urban aerosols and their cloud condensation nuclei activities measured in Seoul during the MAPS-Seoul campaign. <i>Atmospheric Environment</i> , <b>2017</b> , 153, 217-232	5.3	17
17	Photochemical organonitrate formation in wet aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 12631-12647	6.8	15
16	Measurement report: Characterization of severe spring haze episodes and influences of long-range transport in the Seoul metropolitan area in March 2019. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 11527-11550	6.8	14
15	Chemistry of new particle growth during springtime in the Seoul metropolitan area, Korea. <i>Chemosphere</i> , <b>2019</b> , 225, 713-722	8.4	10
14	Similarities in STXM-NEXAFS Spectra of Atmospheric Particles and Secondary Organic Aerosol Generated from Glyoxal, $\beta$ -Pinene, Isoprene, 1,2,4-Trimethylbenzene, and d-Limonene. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 543-555	3.4	6
13	Genetic Algorithm Retrieval of Real Refractive Index from Aerosol Distributions that are not Lognormal. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 1089-1095	3.4	6
12	Characterization of carbonaceous particulate matter emitted from marine diesel engine. <i>Journal of Mechanical Science and Technology</i> , <b>2016</b> , 30, 2011-2017	1.6	6
11	Review of Recent Smog Chamber Studies for Secondary Organic Aerosol. <i>Journal of Korean Society for Atmospheric Environment</i> , <b>2016</b> , 32, 131-157	1.5	4
10	Modeling air quality in the San Joaquin valley of California during the 2013 Discover-AQ field campaign. <i>Atmospheric Environment: X</i> , <b>2020</b> , 5, 100067	2.8	3
9	Carbon Nanostructure of Diesel Soot Particles Emitted from 2 and 4 Stroke Marine Engines Burning Different Fuels. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2128-2131	1.3	3
8	Source attribution of air pollution using a generalized additive model and particle trajectory clusters. <i>Science of the Total Environment</i> , <b>2021</b> , 780, 146458	10.2	2
7	Influence of Intense secondary aerosol formation and long range transport on aerosol chemistry and properties in the Seoul Metropolitan Area during spring time: Results from KORUS-AQ <b>2017</b> ,		1
6	Impacts of secondary aerosol formation and long range transport on severe haze during the winter of 2017 in the Seoul metropolitan area. <i>Science of the Total Environment</i> , <b>2022</b> , 804, 149984	10.2	1
5	Seasonal characteristics of atmospheric water-soluble organic nitrogen in PM in Seoul, Korea: Source and atmospheric processes of free amino acids and aliphatic amines.. <i>Science of the Total Environment</i> , <b>2021</b> , 811, 152335	10.2	0
4	Respiratory function declines in children with asthma associated with chemical species of fine particulate matter (PM) in Nagasaki, Japan. <i>Environmental Health</i> , <b>2021</b> , 20, 110	6	0

3	Volatility of Springtime ambient organic aerosol derived with thermodenuder aerosol mass spectrometry in Seoul, Korea.. <i>Environmental Pollution</i> , <b>2022</b> , 304, 119203	9.3	○
2	The investigations on organic sources and inorganic formation processes and their implications on haze during late winter in Seoul, Korea.. <i>Environmental Research</i> , <b>2022</b> , 212, 113174	7.9	○
1	The impact of size-segregated particle properties on daily mortality in Seoul, Korea.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	