# Hwajin Kim

## List of Publications by Year in Descending Order



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| 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 | The impact of size-segregated particle properties on daily mortality in Seoul, Korea.. *Environmental Science and Pollution Research*, **2022**, 1 | 5.1 | |
| 37 | Impacts of secondary aerosol formation and long range transport on severe haze during the winter of 2017 in the Seoul metropolitan area. *Science of the Total Environment*, **2022**, 804, 149984 | 10.2 | 1 |
| 36 | Volatility of Springtime ambient organic aerosol derived with thermodenuder aerosol mass spectrometry in Seoul, Korea.. *Environmental Pollution*, **2022**, 304, 119203 | 9.3 | 0 |
| 35 | The investigations on organic sources and inorganic formation processes and their implications on haze during late winter in Seoul, Korea.. *Environmental Research*, **2022**, 212, 113174 | 7.9 | 0 |
| 34 | Seasonal characteristics of atmospheric water-soluble organic nitrogen in PM in Seoul, Korea: Source and atmospheric processes of free amino acids and aliphatic amines.. *Science of the Total Environment*, **2021**, 811, 152335 | 10.2 | 0 |
| 33 | Respiratory function declines in children with asthma associated with chemical species of fine particulate matter (PM) in Nagasaki, Japan. *Environmental Health*, **2021**, 20, 110 | 6 | 0 |
| 32 | Source attribution of air pollution using a generalized additive model and particle trajectory clusters. *Science of the Total Environment*, **2021**, 780, 146458 | 10.2 | 2 |
| 31 | A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1616-1653 | 4.3 | 25 |
| 30 | Modeling air quality in the San Joaquin valley of California during the 2013 Discover-AQ field campaign. *Atmospheric Environment: X*, **2020**, 5, 100067 | 2.8 | 3 |
| 29 | Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. *Elementa*, **2020**, 8, | 3.6 | 28 |
| 28 | Measurement report: Characterization of severe spring haze episodes and influences of long-range transport in the Seoul metropolitan area in March 2019. *Atmospheric Chemistry and Physics*, **2020**, 20, 11527-11550 | 6.8 | 14 |
| 27 | Chemistry of new particle growth during springtime in the Seoul metropolitan area, Korea. *Chemosphere*, **2019**, 225, 713-722 | 8.4 | 10 |
| 26 | Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. *Atmospheric Environment*, **2019**, 200, 158-166 | 5.3 | 39 |
| 25 | Carbon Nanostructure of Diesel Soot Particles Emitted from 2 and 4 Stroke Marine Engines Burning Different Fuels. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2128-2131 | 1.3 | 3 |
| 24 | Characterization of PM and identification of transported secondary and biomass burning contribution in Seoul, Korea. *Environmental Science and Pollution Research*, **2018**, 25, 4330-4343 | 5.1 | 28 |
| 23 | 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. *Atmospheric Chemistry and Physics*, **2018**, 18, 7149-7168 | 6.8 | 64 |
| 22 | Wintertime water-soluble aerosol composition and particle water content in Fresno, California. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 3155-3170 | 4.4 | 31 |

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| 21 | Hygroscopic properties of urban aerosols and their cloud condensation nuclei activities measured in Seoul during the MAPS-Seoul campaign. *Atmospheric Environment*, **2017**, 153, 217-232 | 5.3 | 17 |
| 20 | 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 **2017**, | | 1 |
| 19 | Observational assessment of the role of nocturnal residual-layer chemistry in determining daytime surface particulate nitrate concentrations. *Atmospheric Chemistry and Physics*, **2017**, 17, 14747-14770 | 6.8 | 25 |
| 18 | Sources and atmospheric processing of winter aerosols in Seoul, Korea: insights from real-time measurements using a high-resolution aerosol mass spectrometer. *Atmospheric Chemistry and Physics*, **2017**, 17, 2009-2033 | 6.8 | 30 |
| 17 | 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 | 6.8 | 45 |
| 16 | On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. *Atmospheric Chemistry and Physics*, **2016**, 16, 2575-2596 | 6.8 | 41 |
| 15 | Influences of emission sources and meteorology on aerosol chemistry in a polluted urban environment: results from DISCOVER-AQ California. *Atmospheric Chemistry and Physics*, **2016**, 16, 5427-5451 | 6.8 | 58 |
| 14 | Optical Properties of Wintertime Aerosols from Residential Wood Burning in Fresno, CA: Results from DISCOVER-AQ 2013. *Environmental Science & Technology*, **2016**, 50, 1681-90 | 10.3 | 43 |
| 13 | Seasonal variations in the light-absorbing properties of water-soluble and insoluble organic aerosols in Seoul, Korea. *Atmospheric Environment*, **2016**, 129, 234-242 | 5.3 | 57 |
| 12 | Review of Recent Smog Chamber Studies for Secondary Organic Aerosol. *Journal of Korean Society for Atmospheric Environment*, **2016**, 32, 131-157 | 1.5 | 4 |
| 11 | Photochemical organonitrate formation in wet aerosols. *Atmospheric Chemistry and Physics*, **2016**, 16, 12631-12647 | 6.8 | 15 |
| 10 | Characterization of carbonaceous particulate matter emitted from marine diesel engine. *Journal of Mechanical Science and Technology*, **2016**, 30, 2011-2017 | 1.6 | 6 |
| 9 | Physicochemical and optical properties of combustion-generated particles from a coal-fired power plant, automobiles, ship engines, and charcoal kilns. *Fuel*, **2015**, 161, 120-128 | 7.1 | 24 |
| 8 | Visible light photocatalytic activities of nitrogen and platinum-doped TiO2: Synergistic effects of co-dopants. *Applied Catalysis B: Environmental*, **2014**, 147, 642-650 | 21.8 | 61 |
| 7 | 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 Pinene. *Aerosol Science and Technology*, **2014**, 48, 498-507 | 3.4 | 25 |
| 6 | Similarities in STXM-NEXAFS Spectra of Atmospheric Particles and Secondary Organic Aerosol Generated from Glyoxal, Pinene, Isoprene, 1,2,4-Trimethylbenzene, and d-Limonene. *Aerosol Science and Technology*, **2013**, 47, 543-555 | 3.4 | 6 |
| 5 | Real refractive indices and volatility of secondary organic aerosol generated from photooxidation and ozonolysis of limonene, pinene and toluene. *Atmospheric Chemistry and Physics*, **2013**, 13, 7711-7723 | 6.8 | 61 |
| 4 | Real refractive indices and formation yields of secondary organic aerosol generated from photooxidation of limonene and pinene: the effect of the HC/NO(x) ratio. *Journal of Physical Chemistry A*, **2012**, 116, 6059-67 | 2.8 | 46 |

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| 3 | Hydrogen peroxide generation from α and β pinene and toluene secondary organic aerosols. *Atmospheric Environment*, **2011**, 45, 3149-3156 | 5.3 | 47 |
| 2 | Genetic Algorithm Retrieval of Real Refractive Index from Aerosol Distributions that are not Lognormal. *Aerosol Science and Technology*, **2010**, 44, 1089-1095 | 3.4 | 6 |
| 1 | Real refractive indices of α and β pinene and toluene secondary organic aerosols generated from ozonolysis and photo-oxidation. *Journal of Geophysical Research*, **2010**, 115, | | 46 |