Zang-Ho Shon

List of Publications by Year
in descending order

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66 papers	1,451 citations	331670 21 h-index	361022 35 g-index
67 all docs	67 docs citations	67 times ranked	1861 citing authors

#	Article	IF	Citations
1	Source apportionment of VOCs and their impact on air quality and health in the megacity of Seoul. Environmental Pollution, 2019, 247, 763-774.	7.5	89
2	Current and future emission estimates of exhaust gases and particles from shipping at the largest port in Korea. Environmental Science and Pollution Research, 2014, 21, 6612-6622.	5.3	72
3	Analysis of ammonia variation in the urban atmosphere. Atmospheric Environment, 2013, 65, 177-185.	4.1	71
4	Relationship between water-soluble ions in PM2.5 and their precursor gases in Seoul megacity. Atmospheric Environment, 2012, 59, 540-550.	4.1	64
5	Long-term trend of airborne particulate matter in Seoul, Korea from 2004 to 2013. Atmospheric Environment, 2015, 101, 125-133.	4.1	64
6	Comparison of source apportionment of PM 2.5 using receptor models in the main hub port city of East Asia: Busan. Atmospheric Environment, 2017, 148, 115-127.	4.1	62
7	Major aromatic VOC in the ambient air in the proximity of an urban landfill facility. Journal of Hazardous Materials, 2008, 150, 754-764.	12.4	59
8	Long-term trend in NO2 and NO levels and their emission ratio in relation to road traffic activities in East Asia. Atmospheric Environment, 2011, 45, 3120-3131.	4.1	59
9	Emissions of greenhouse gases and air pollutants from commercial aircraft at international airports in Korea. Atmospheric Environment, 2012, 61, 148-158.	4.1	55
10	Monitoring of Atmospheric Mercury at a Global Atmospheric Watch (GAW) Site on An-Myun Island, Korea. Water, Air, and Soil Pollution, 2007, 185, 149-164.	2.4	50
11	Influence of ship emissions on ozone concentrations around coastal areas during summer season. Atmospheric Environment, 2010, 44, 713-723.	4.1	50
12	Long-term changes in PM10 levels in urban air in relation with air quality control efforts. Atmospheric Environment, 2011, 45, 3309-3317.	4.1	48
13	Evaluation of the DMS flux and its conversion to SO2 over the southern ocean. Atmospheric Environment, 2001, 35, 159-172.	4.1	43
14	Photochemistry of reduced sulfur compounds in a landfill environment. Atmospheric Environment, 2005, 39, 4803-4814.	4.1	34
15	Impact of emission control strategy on NO2 in urban areas of Korea. Atmospheric Environment, 2011, 45, 808-812.	4.1	32
16	Analysis of water-soluble ions and their precursor gases over diurnal cycle. Atmospheric Research, 2013, 132-133, 309-321.	4.1	32
17	Monitoring of atmospheric reduced sulfur compounds and their oxidation in two coastal landfill areas. Atmospheric Environment, 2007, 41, 974-988.	4.1	31
18	Characteristics of Asian Dust Transport Based on Synoptic Meteorological Analysis over Korea. Journal of the Air and Waste Management Association, 2006, 56, 306-316.	1.9	30

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19	Relationship between reactive oxygen species and water-soluble organic compounds: Time-resolved benzene carboxylic acids measurement in the coastal area during the KORUS-AQ campaign. Environmental Pollution, 2017, 231, 1-12.	7.5	30
20	Long-term monitoring of airborne nickel (Ni) pollution in association with some potential source processes in the urban environment. Chemosphere, 2014, 111, 312-319.	8.2	23
21	Assessment of the photochemistry of OH and NO3 on Jeju Island during the Asian-dust-storm period in the spring of 2001. Chemosphere, 2004, 55, 1127-1142.	8.2	22
22	A modeling study of halogen chemistry's role in marine boundary layer ozone. Atmospheric Environment, 2002, 36, 4289-4298.	4.1	21
23	Demonstration of long-term increases in tropospheric O3 levels: Causes and potential impacts. Chemosphere, 2013, 92, 1520-1528.	8.2	21
24	Reduced sulfur compounds in ambient air surrounding an industrial region in Korea. Environmental Monitoring and Assessment, 2009, 148, 109-125.	2.7	20
25	A Review of Atmospheric Mercury in the Polar Environment. Critical Reviews in Environmental Science and Technology, 2009, 39, 552-584.	12.8	20
26	Identification of control parameters for the sulfur gas storability with bag sampling methods. Analytica Chimica Acta, 2012, 738, 51-58.	5.4	19
27	Photochemical oxidation of reduced sulfur compounds in an urban location based on short time monitoring data. Chemosphere, 2006, 63, 1859-1869.	8.2	18
28	Diurnal and seasonal characteristics of the optical properties and direct radiative forcing of different aerosol components in Seoul megacity. Science of the Total Environment, 2017, 599-600, 400-412.	8.0	18
29	Environmental fate of gaseous elemental mercury at an urban monitoring site based on long-term measurements in Korea (1997â€“2005). Atmospheric Environment, 2008, 42, 142-155.	4.1	17
30	The effect of man made source processes on the behavior of total gaseous mercury in air: A comparison between four urban monitoring sites in Seoul Korea. Science of the Total Environment, 2011, 409, 3801-3811.	8.0	17
31	An oil spill accident and its impact on ozone levels in the surrounding coastal regions. Atmospheric Environment, 2011, 45, 1312-1322.	4.1	17
32	Nationwide shift in CO concentration levels in urban areas of Korea after 2000. Journal of Hazardous Materials, 2011, 188, 235-246.	12.4	17
33	Monitoring of reduced sulfur compounds in the atmosphere of Gosan, Jeju Island during the Spring of 2001. Chemosphere, 2004, 54, 515-526.	8.2	15
34	Photochemical oxidation and dispersion of gaseous sulfur compounds from natural and anthropogenic sources around a coastal location. Atmospheric Environment, 2009, 43, 3015-3023.	4.1	14
35	Dispersion and photochemical oxidation of reduced sulfur compounds in and around a large industrial complex in Korea. Atmospheric Environment, 2008, 42, 4269-4279.	4.1	13
36	Photochemical analyses of ozone and related compounds under various environmental conditions. Atmospheric Environment, 2012, 47, 446-458.	4.1	13

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37	Impact of international Maritime Organization 2020 sulfur content regulations on port air quality at international hub port. Journal of Cleaner Production, 2022, 347, 131298.	9.3	13
38	Long-term variations in PM2.5 emission from open biomass burning in Northeast Asia derived from satellite-derived data for 2000â€“2013. Atmospheric Environment, 2015, 107, 342-350.	4.1	12
39	Global trend analysis in primary and secondary production of marine aerosol and aerosol optical depth during 2000â€“2015. Chemosphere, 2019, 224, 417-427.	8.2	11
40	Influence of meteorological conditions on trans-Pacific transport of Asian dust during spring season. Journal of Aerosol Science, 2008, 39, 1003-1017.	3.8	9
41	An investigation into the relationship between the major chemical components of particulate matter in urban air. Chemosphere, 2014, 95, 387-394.	8.2	9
42	Comparison of impacts of aircraft emissions within the boundary layer on the regional ozone in South Korea. Atmospheric Environment, 2015, 117, 169-179.	4.1	9
43	Comprehensive study of a long-lasting severe haze in Seoul megacity and its impacts on fine particulate matter and health. Chemosphere, 2021, 268, 129369.	8.2	9
44	Fractionation of secondary organic carbon in aerosol in relation to the trafficborne emission of semivolatile organic compounds. Atmospheric Environment, 2012, 50, 225-233.	4.1	8
45	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 387-399.	2.3	8
46	Assessment of long-range oriented source and oxidative potential on the South-west shoreline, Korea: Molecular marker receptor models during shipborne measurements. Environmental Pollution, 2021, 281, 116979.	7.5	8
47	Characteristics of malodor pollutants and aromatic VOCs around an urban valley in Korea. Environmental Monitoring and Assessment, 2009, 157, 259-275.	2.7	7
48	Temporal Variations in Optical Properties and Direct Radiative Forcing of Different Aerosol Chemical Components in Seoul using Hourly Aerosol Sampling. Journal of Korean Society for Atmospheric Environment, 2014, 30, 1-17.	1.1	7
49	Effects of natural and anthropogenic emissions on the composition and toxicity of aerosols in the marine atmosphere. Science of the Total Environment, 2022, 806, 150928.	8.0	7
50	Characteristics of Atmospheric Metalliferous Particles during Large-Scale Fireworks in Korea. Advances in Meteorology, 2015, 2015, 1-13.	1.6	6
51	Carbonaceous aerosol in ambient air: Parallel measurements between water cyclone and carbon analyzer. Particuology, 2019, 44, 153-158.	3.6	6
52	Impact of temporary emission reduction from a large-scale coal-fired power plant on air quality. Atmospheric Environment: X, 2020, 5, 100056.	1.4	6
53	DMS photochemistry during the Asian dust-storm period in the Spring of 2001: model simulations vs. field observations. Chemosphere, 2005, 58, 149-161.	8.2	5
54	Influence of an enhanced traffic volume around beaches in the short period of summer on ozone. Atmospheric Environment, 2013, 71, 376-388.	4.1	5

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55	National Emissions of Greenhouse Gases and Air Pollutants from Commercial Aircraft in the Troposphere over South Korea. Terrestrial, Atmospheric and Oceanic Sciences, 2014, 25, 61.	0.6	5
56	Contribution of Biomass Burning and Secondary Organic Carbon to Water Soluble Organic Carbon at a Suburban Site. Journal of Korean Society for Atmospheric Environment, 2018, 34, 259-268.	1.1	4
57	Emission and Cytotoxicity of Surgical Smoke: Cholesta-3,5-Diene Released from Pyrolysis of Prostate Tissue. Atmosphere, 2018, 9, 381.	2.3	3
58	Characteristics of the Emissions and Concentrations of Air Pollutants with Change in Traffic Volume during the Beach Opening Period in Busan. Journal of Environmental Science International, 2012, 21, 1149-1162.	0.2	3
59	Temporal Variability of Reduced Sulfur Compounds (RSC) Collected in Tedlar Bag: Simulation of Sample Stability in the Emission Sources. Journal of Korean Society for Atmospheric Environment, 2011, 27, 281-290.	1.1	3
60	Emissions of Air Pollutants and Greenhouse Gases from Aircraft Activities at the Small Scale Airports. Journal of Environmental Science International, 2013, 22, 823-836.	0.2	3
61	Rapid Changes in CO Concentration Levels at Seven Roadside Locations in Seoul before and after 2000. Asian Journal of Atmospheric Environment, 2010, 4, 26-32.	1.1	2
62	Characteristics of Ozone Precursor Emissions and POCP in the Biggest Port City in Korea. Asian Journal of Atmospheric Environment, 2015, 9, 146-157.	1.1	2
63	Air Pollution and Its Association with the Greenland Ice Sheet Melt. Sustainability, 2021, 13, 65.	3.2	1
64	Meteorological and Chemical Behavior of Gaseous Sulfur Compounds in and around an Urban Valley. Terrestrial, Atmospheric and Oceanic Sciences, 2010, 21, 971.	0.6	0
65	Characteristics of Malodor Pollutants and Their Dispersion Measured in Several Industrial Source Regions in Yangsan. Journal of Environmental Science International, 2009, 18, 1103-1114.	0.2	0
66	A Study of Ozone Photochemistry in Different Physico-chemical Properties of Air Masses around the Mexico City Metropolitan Area (MCMA) Using Aircraft Observations in 2006. Journal of Korean Society for Atmospheric Environment, 2010, 26, 118-136.	1.1	0