

# Sang Seo Park

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

490  
citations

933447

10  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

766  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1-E22.	3.3	165
2	The implication of the air quality pattern in South Korea after the COVID-19 outbreak. <i>Scientific Reports</i> , 2020, 10, 22462.	3.3	43
3	Combined dust detection algorithm by using MODIS infrared channels over East Asia. <i>Remote Sensing of Environment</i> , 2014, 141, 24-39.	11.0	38
4	Impacts of local versus long-range transported aerosols on PM10 concentrations in Seoul, Korea: An estimate based on 11-year PM10 and lidar observations. <i>Science of the Total Environment</i> , 2021, 750, 141739.	8.0	28
5	Changes in column aerosol optical depth and ground-level particulate matter concentration over East Asia. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 49-60.	3.3	25
6	Utilization of $\tau_{440}$ slant column density to derive aerosol layer height from a space-borne UV-visible hyperspectral sensor: sensitivity and case study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1987-2006.	4.9	20
7	Sudden increase in the total ozone density due to secondary ozone peaks and its effect on total ozone trends over Korea. <i>Atmospheric Environment</i> , 2012, 47, 226-235.	4.1	15
8	Characteristics of Classified Aerosol Types in South Korea during the MAPS-Seoul Campaign. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2195-2206.	2.1	14
9	Wavelength dependence of $\tau_{\lambda}$ exponent and single scattering albedo observed by skyradiometer in Seoul, Korea. <i>Atmospheric Research</i> , 2016, 181, 12-19.	4.1	13
10	Spatio-Temporal Variability of Aerosol Optical Depth, Total Ozone and NO <sub>2</sub> Over East Asia: Strategy for the Validation to the GEMS Scientific Products. <i>Remote Sensing</i> , 2020, 12, 2256.	4.0	11
11	Regional Characteristics of NO <sub>2</sub> Column Densities from Pandora Observations during the MAPS-Seoul Campaign. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2207-2219.	2.1	11
12	Intercomparison of total column ozone data from the Pandora spectrophotometer with Dobson, Brewer, and OMI measurements over Seoul, Korea. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3661-3676.	3.1	10
13	Synergistic Use of Hyperspectral UV-Visible OMI and Broadband Meteorological Imager MODIS Data for a Merged Aerosol Product. <i>Remote Sensing</i> , 2020, 12, 3987.	4.0	9
14	UV Sensitivity to Changes in Ozone, Aerosols, and Clouds in Seoul, South Korea. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 310-322.	1.5	8
15	Southern Hemisphere mid- and high-litudinal AOD, CO, NO <sub>2</sub> , and HCHO: spatiotemporal patterns revealed by satellite observations. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	8
16	A Possible Linkage between Dust Frequency and the Siberian High in March over Northeast Asia. <i>Atmosphere</i> , 2021, 12, 176.	2.3	8
17	Spectral dependence on the correction factor of erythemal UV for cloud, aerosol, total ozone, and surface properties: A modeling study. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 865-874.	4.3	7
18	Correlation analysis between regional carbon monoxide and black carbon from satellite measurements. <i>Atmospheric Research</i> , 2017, 196, 29-39.	4.1	7

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19	Estimating Cloud and Aerosol UV Modification Factors Based on Spectral Measurement from the Brewer Spectrophotometer. <i>Atmosphere</i> , 2017, 8, 109.	2.3	6
20	Effects of spatiotemporal O <sub>4</sub> column densities and temperature-dependent O <sub>4</sub> absorption cross-section on an aerosol effective height retrieval algorithm using the O <sub>4</sub> air mass factor from the ozone monitoring instrument. <i>Remote Sensing of Environment</i> , 2019, 229, 223-233.	11.0	6
21	Temperature Control of Spring CO <sub>2</sub> Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. <i>Atmosphere</i> , 2021, 12, 984.	2.3	6
22	Impact of UV-A radiation on erythemal UV and UV-index estimation over Korea. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1639-1646.	4.3	5
23	Effect of temperature-dependent cross sections on O <sub>4</sub> slant column density estimation by a space-borne UV-visible hyperspectral sensor. <i>Atmospheric Environment</i> , 2017, 152, 98-110.	4.1	4
24	Investigation of the relationship between the fine mode fraction and Å...ngstrÅm exponent: Cases in Korea. <i>Atmospheric Research</i> , 2021, 248, 105217.	4.1	4
25	Spatiotemporal inhomogeneity of total column NO <sub>2</sub> in a polluted urban area inferred from TROPOMI and Pandora intercomparisons. <i>GIScience and Remote Sensing</i> , 2022, 59, 354-373.	5.9	4
26	Detection of Absorbing Aerosol Using Single Near-UV Radiance Measurements from a Cloud and Aerosol Imager. <i>Remote Sensing</i> , 2017, 9, 378.	4.0	3
27	Simulation of Threshold UV Exposure Time for Vitamin D Synthesis in South Korea. <i>Advances in Meteorology</i> , 2019, 2019, 1-15.	1.6	3
28	Retrieval of NO <sub>2</sub> Column Amounts from Ground-Based Hyperspectral Imaging Sensor Measurements. <i>Remote Sensing</i> , 2019, 11, 3005.	4.0	3
29	Effect of solar zenith angle on satellite cloud retrievals based on O <sub>2</sub> –O <sub>2</sub> absorption band. <i>International Journal of Remote Sensing</i> , 2021, 42, 4224-4240.	2.9	3
30	Inter-comparison of NO <sub>2</sub> column densities measured by Pandora and OMI over Seoul, Korea. <i>Korean Journal of Remote Sensing</i> , 2013, 29, 663-670.	0.4	3