Sho Ohata

List of Publications by Year
in descending order

31 papers	897 citations	394421 19 h-index	477307 29 g-index
45 all docs	45 docs citations	45 times ranked	1181 citing authors

#	Article	IF	Citations
1	Offline analysis of the chemical composition and hygroscopicity of submicrometer aerosol at an Asian outflow receptor site and comparison with online measurements. Atmospheric Chemistry and Physics, 2022, 22, 5515-5533.	4.9	2
2	Contrasting source contributions of Arctic black carbon to atmospheric concentrations, deposition flux, and atmospheric and snow radiative effects. Atmospheric Chemistry and Physics, 2022, 22, 8989-9009.	4.9	12
3	Studies on Arctic aerosols and clouds during the ArCS project. Polar Science, 2021, 27, 100621.	1.2	3
4	Compositions and mixing states of aerosol particles by aircraft observations in the Arctic springtime, 2018. Atmospheric Chemistry and Physics, 2021, 21, 3607-3626.	4.9	17
5	Seasonal Variation of Wet Deposition of Black Carbon at Nyâ€Ã…lesund, Svalbard. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034110.	3.3	8
6	Absorption instruments inter-comparison campaign at the Arctic Pallas station. Atmospheric Measurement Techniques, 2021, 14, 5397-5413.	3.1	12
7	Estimates of mass absorption cross sections of black carbon for filter-based absorption photometers in the Arctic. Atmospheric Measurement Techniques, 2021, 14, 6723-6748.	3.1	19
8	Arctic black carbon during PAMARCMiP 2018 and previous aircraft experiments in spring. Atmospheric Chemistry and Physics, 2021, 21, 15861-15881.	4.9	11
9	Concentrations and Size Distributions of Black Carbon in the Surface Snow of Eastern Antarctica in 2011. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030737.	3.3	17
10	Seasonal Variation of Wet Deposition of Black Carbon in Arctic Alaska. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032240.	3.3	16
11	Changes in black carbon and PM_{2.5} in Tokyo in 2003â€“2017. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2020, 96, 122-129.	3.8	8
12	Abundances and Microphysical Properties of Lightâ€Absorbing Iron Oxide and Black Carbon Aerosols Over East Asia and the Arctic. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032301.	3.3	15
13	Black Carbon and Inorganic Aerosols in Arctic Snowpack. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13325-13356.	3.3	31
14	Accuracy of black carbon measurements by a filter-based absorption photometer with a heated inlet. Aerosol Science and Technology, 2019, 53, 1079-1091.	3.1	26
15	Glacially sourced dust as a potentially significant source of ice nucleating particles. Nature Geoscience, 2019, 12, 253-258.	12.9	101
16	Observational constraint of in-cloud supersaturation for simulations of aerosol rainout in atmospheric models. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	25
17	Anthropogenic combustion iron as a complex climate forcer. Nature Communications, 2018, 9, 1593.	12.8	86
18	Seasonal Progression of the Deposition of Black Carbon by Snowfall at Nyâ€Ã…lesund, Spitsbergen. Journal of Geophysical Research D: Atmospheres, 2018, 123, 997-1016.	3.3	21

#	Article	IF	Citations
19	Abundance of Lightâ€Absorbing Anthropogenic Iron Oxide Aerosols in the Urban Atmosphere and Their Emission Sources. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8115-8134.	3.3	20
20	Abundance and Emission Flux of the Anthropogenic Iron Oxide Aerosols From the East Asian Continental Outflow. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,194.	3.3	20
21	Evaluation of groundâ€based black carbon measurements by filterâ€based photometers at two Arctic sites. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3544-3572.	3.3	51
22	Anthropogenic iron oxide aerosols enhance atmospheric heating. Nature Communications, 2017, 8, 15329.	12.8	73
23	Effects of wet deposition on the abundance and size distribution of black carbon in East Asia. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4691-4712.	3.3	34
24	Improved technique for measuring the size distribution of black carbon particles in liquid water. Aerosol Science and Technology, 2016, 50, 242-254.	3.1	35
25	Hygroscopicity of materials internally mixed with black carbon measured in Tokyo. Journal of Geophysical Research D: Atmospheres, 2016, 121, 362-381.	3.3	23
26	A key process controlling the wet removal of aerosols: new observational evidence. Scientific Reports, 2016, 6, 34113.	3.3	52
27	Detection of light-absorbing iron oxide particles using a modified single-particle soot photometer. Aerosol Science and Technology, 2016, 50, 1-4.	3.1	24
28	Technique and theoretical approach for quantifying the hygroscopicity of black-carbon-containing aerosol using a single particle soot photometer. Journal of Aerosol Science, 2015, 81, 110-126.	3.8	41
29	Wet deposition of black carbon at a remote site in the East China Sea. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10485-10498.	3.3	25
30	Evaluation of a Method to Measure Black Carbon Particles Suspended in Rainwater and Snow Samples. Aerosol Science and Technology, 2013, 47, 1073-1082.	3.1	32
31	Evaluation of a Method for Measurement of the Concentration and Size Distribution of Black Carbon Particles Suspended in Rainwater. Aerosol Science and Technology, 2011, 45, 1326-1336.	3.1	32