

# Yasuhiro Sadanaga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4786318/publications.pdf>

Version: 2024-02-01

45  
papers

1,156  
citations

394421

19  
h-index

414414

32  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variations in gaseous nitric acid concentrations at Tottori, Japan: Long-range transport from the Asian continent and local production. <i>Atmospheric Environment</i> , 2022, 274, 118988.	4.1	1
2	Development of highly sensitive optical nanoantenna for bacterial detection. <i>Analyst, The</i> , 2022, 147, 2355-2360.	3.5	3
3	Impacts of missing OH reactivity and aerosol uptake of HO <sub>2</sub> radicals on tropospheric O <sub>3</sub> production during the AQUAS-Kyoto summer campaign in 2018. <i>Atmospheric Environment</i> , 2022, 281, 119130.	4.1	1
4	Kinetics and impacting factors of HO <sub>2</sub> uptake onto submicron atmospheric aerosols during the 2019 Air QUALity Study (AQUAS) in Yokohama, Japan. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12243-12260.	4.9	16
5	A quantitative understanding of total OH reactivity and ozone production in a coastal industrial area during the Yokohama air quality study (AQUAS) campaign of summer 2019. <i>Atmospheric Environment</i> , 2021, 267, 118754.	4.1	2
6	Quantification of Enterohemorrhagic <i>Escherichia coli</i> via Optical Nanoantenna and Temperature-Responsive Artificial Antibodies. <i>Analytical Sciences</i> , 2021, 37, 1597-1601.	1.6	2
7	Aerosol Liquid Water Promotes the Formation of Water-Soluble Organic Nitrogen in Submicrometer Aerosols in a Suburban Forest. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1406-1414.	10.0	33
8	Total hydroxyl radical reactivity measurements in a suburban area during AQUAS's Tsukuba campaign in summer 2017. <i>Science of the Total Environment</i> , 2020, 740, 139897.	8.0	9
9	Regional variability in black carbon and carbon monoxide ratio from long-term observations over East Asia: assessment of representativeness for black carbon (BC) and carbon monoxide (CO) emission inventories. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 83-98.	4.9	20
10	Investigation of the wet removal rate of black carbon in East Asia: validation of a below- and in-cloud wet removal scheme in FLEXible PARTicle (FLEXPART) model v10.4. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13655-13670.	4.9	13
11	Relative and Absolute Sensitivity Analysis on Ozone Production in Tsukuba, a City in Japan. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13629-13635.	10.0	17
12	NHM-Chem, the Japan Meteorological Agency's Regional Meteorology "Chemistry Model: Model Evaluations toward the Consistent Predictions of the Chemical, Physical, and Optical Properties of Aerosols. <i>Journal of the Meteorological Society of Japan</i> , 2019, 97, 337-374.	1.8	37
13	Behavior of total peroxy and total organic nitrate concentrations at Suzu on the Noto Peninsula, Japan: Long-range transport and local photochemical production. <i>Atmospheric Environment</i> , 2019, 196, 20-26.	4.1	16
14	Development of an Analytical Method for the Detection of NO <sub>2</sub> and Its Application to the Atmospheric Analysis at a Mountain Site. <i>Bunseki Kagaku</i> , 2018, 67, 333-340.	0.2	3
15	New System for Measuring the Photochemical Ozone Production Rate in the Atmosphere. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2871-2878.	10.0	6
16	Contributions of vehicular emissions and secondary formation to nitrous acid concentrations in ambient urban air in Tokyo in the winter. <i>Science of the Total Environment</i> , 2017, 592, 178-186.	8.0	17
17	Validation of in situ Measurements of Atmospheric Nitrous Acid Using Incoherent Broadband Cavity-enhanced Absorption Spectroscopy. <i>Analytical Sciences</i> , 2017, 33, 519-523.	1.6	20
18	Transboundary Transport of Nitrogen Oxides from the Asian Continent to Fukue Island, Japan: Analyses of Long-Range Transport of Nitrogen Compounds. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2981-2987.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Thermal dissociation cavity attenuated phase shift spectroscopy for continuous measurement of total peroxy and organic nitrates in the clean atmosphere. Review of Scientific Instruments, 2016, 87, 074102.	1.3	18
20	Photochemical age of air pollutants, ozone, and secondary organic aerosol in transboundary air observed on Fukue Island, Nagasaki, Japan. Atmospheric Chemistry and Physics, 2016, 16, 4555-4568.	4.9	9
21	Light absorption and morphological properties of soot-containing aerosols observed at an East Asian outflow site, Noto Peninsula, Japan. Atmospheric Chemistry and Physics, 2016, 16, 2525-2541.	4.9	54
22	Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. Atmospheric Environment, 2016, 131, 41-54.	4.1	21
23	Transboundary secondary organic aerosol in western Japan: An observed limitation of the f44 oxidation indicator. Atmospheric Environment, 2015, 120, 71-75.	4.1	5
24	Evaluation of Photochemical Pollution during Transport of Air Pollutants in Spring over the East China Sea. Asian Journal of Atmospheric Environment, 2015, 9, 237-246.	1.1	5
25	Direct measurement system of nitrogen dioxide in the atmosphere using a blue light-emitting diode induced fluorescence technique. Review of Scientific Instruments, 2014, 85, 064101.	1.3	6
26	Concentration variations of total reactive nitrogen and total nitrate during transport to Fukue Island and to Cape Hedo, Japan in the marine boundary layer. Atmospheric Environment, 2014, 97, 471-478.	4.1	7
27	Aerial observation of nitrogen compounds over the East China Sea in 2009 and 2010. Atmospheric Environment, 2014, 97, 462-470.	4.1	8
28	Transboundary Secondary Organic Aerosol in Western Japan Indicated by the $\hat{r}^{13}C$ of Water-Soluble Organic Carbon and the $m/z$ 44 Signal in Organic Aerosol Mass Spectra. Environmental Science & Technology, 2014, 48, 6273-6281.	10.0	19
29	Structural analysis of aerosol particles by microscopic observation using a time-of-flight secondary ion mass spectrometer. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6726-6737.	3.3	10
30	Analyses of the Ozone Weekend Effect in Tokyo, Japan: Regime of Oxidant (O <sub>3</sub> + NO <sub>2</sub> ) Production. Aerosol and Air Quality Research, 2012, 12, 161-168.	2.1	38
31	Aerial Observation of Aerosols Transported from East Asia – Chemical Composition of Aerosols and Layered Structure of an Air Mass over the East China Sea. Aerosol and Air Quality Research, 2011, 11, 497-507.	2.1	29
32	Development of a Selective Light-Emitting Diode Photolytic NO <sub>2</sub> Converter for Continuously Measuring NO <sub>2</sub> in the Atmosphere. Analytical Chemistry, 2010, 82, 9234-9239.	6.5	38
33	Weekday/weekend difference of ozone and its precursors in urban areas of Japan, focusing on nitrogen oxides and hydrocarbons. Atmospheric Environment, 2008, 42, 4708-4723.	4.1	70
34	Transport and transformation of total reactive nitrogen over the East China Sea. Journal of Geophysical Research, 2008, 113, .	3.3	37
35	Quantitative reduction of particulate nitrate to nitric oxide by a molybdenum catalyst: Implications for NO <sub>y</sub> measurements in the marine boundary layer. Geophysical Research Letters, 2008, 35, .	4.0	10
36	A Gaseous Nitric Acid Analyzer for the Remote Atmosphere Based on the Scrubber Difference/NO-Ozone Chemiluminescence Method. Analytical Sciences, 2008, 24, 967-971.	1.6	20

#	ARTICLE	IF	CITATIONS
37	Development of a PTR-TOFMS instrument for real-time measurements of volatile organic compounds in air. <i>International Journal of Mass Spectrometry</i> , 2007, 263, 1-11.	1.5	60
38	A novel discharge source of hydronium ions for proton transfer reaction ionization: design, characterization, and performance. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1025-1029.	1.5	29
39	Examination on photostationary state of NO <sub>x</sub> in the urban atmosphere in Japan. <i>Atmospheric Environment</i> , 2006, 40, 3230-3239.	4.1	24
40	Measurement of total OH reactivity by laser-induced pump and probe technique—comprehensive observations in the urban atmosphere of Tokyo. <i>Atmospheric Environment</i> , 2006, 40, 7869-7881.	4.1	86
41	Measurements of OH Reactivity and Photochemical Ozone Production in the Urban Atmosphere. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8847-8852.	10.0	81
42	Development of a measurement system of OH reactivity in the atmosphere by using a laser-induced pump and probe technique. <i>Review of Scientific Instruments</i> , 2004, 75, 2648-2655.	1.3	115
43	Development of a measurement system of peroxy radicals using a chemical amplification/laser-induced fluorescence technique. <i>Review of Scientific Instruments</i> , 2004, 75, 864-872.	1.3	36
44	Photochemical reactions in the urban air: Recent understandings of radical chemistry. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2003, 4, 85-104.	11.6	54
45	Behavior of OH and HO <sub>2</sub> radicals during the Observations at a Remote Island of Okinawa (ORION99) field campaign: 1. Observation using a laser-induced fluorescence instrument. <i>Journal of Geophysical Research</i> , 2001, 106, 24197-24208.	3.3	47