

Nobuyuki Aoki

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

258
citations

1163117

8
h-index

996975

15
g-index

24
all docs

24
docs citations

24
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Detection of C1–C5 alkyl nitrates by proton transfer reaction time-of-flight mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007, 263, 12-21.	1.5	38
3	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
4	The Concentration of Krypton in the Atmosphere—Its Revision after Half a Century—. <i>Chemistry Letters</i> , 2005, 34, 1396-1397.	1.3	27
5	O ₂ /CO ₂ exchange ratios observed in a cool temperate deciduous forest ecosystem of central Japan. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 21120.	1.6	20
6	Final report on international comparison CCQM-K68: Nitrous oxide in synthetic air. <i>Metrologia</i> , 2011, 48, 08004-08004.	1.2	13
7	Preparation of primary standard mixtures for atmospheric oxygen measurements with less than 1% uncertainty for oxygen molar fractions. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2631-2646.	3.1	13
8	O ₂ /CO ₂ exchange ratio for net turbulent flux observed in an urban area of Tokyo, Japan, and its application to an evaluation of anthropogenic CO ₂ emissions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5293-5308.	4.9	10
9	Development of a Continuous Measurement System for Atmospheric O ₂ /N ₂ Ratio Using a Paramagnetic Analyzer and Its Application in Minamitorishima Island, Japan. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 230-234.	1.4	9
10	Evaluation of the permeability of formaldehyde and water through a permeation tube for the preparation of an accurate formaldehyde reference gas mixture. <i>Analyst</i> , 2013, 138, 6930.	3.5	8
11	Validation of primary formaldehyde gas standards prepared by dynamic thermogravimetry through a tri-national comparison of gaseous formaldehyde amount fraction. <i>Accreditation and Quality Assurance</i> , 2016, 21, 295-304.	0.8	6
12	Development of an Analytical System Based on a Magneto-pneumatic Oxygen Analyzer for Atmospheric Oxygen Determination. <i>Analytical Sciences</i> , 2018, 34, 487-493.	1.6	5
13	Precise Determination of the Atmospheric CF ₄ Concentration by Using Natural Kr in the Atmosphere as an Internal Reference in the Preconcentration/GC/MS Analysis. <i>Chemistry Letters</i> , 2004, 33, 1634-1635.	1.3	4
14	Intercomparison of O ₂ /N ₂ ratio scales among AIST, NIES, TU, and SIO based on a round-robin exercise using gravimetric standard mixtures. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6181-6193.	3.1	4
15	Accurate determination of formaldehyde amount fraction in cylinders using mixtures of primary standards of formaldehyde in nitrogen prepared by a gravimetric permeation method. <i>Accreditation and Quality Assurance</i> , 2018, 23, 199-210.	0.8	3
16	International comparison CCQM-K84—carbon monoxide in synthetic air at ambient level. <i>Metrologia</i> , 2017, 54, 08016-08016.	1.2	3
17	Final report on Pilot Study CCQM-P110: Study on the accuracy and uncertainty of FT-IR methods calibrated with synthetic spectra for NO ₂ concentration measurements. <i>Metrologia</i> , 2013, 50, 08011-08011.	1.2	2
18	Secular change in atmospheric Ar ³⁶ and its implications for ocean heat uptake and Brewer–Dobson circulation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1357-1373.	4.9	2

#	ARTICLE	IF	CITATIONS
19	Final report of international comparison APMP.QM-S2.2015 of oxygen in nitrogen at 0.2 mol/mol. Metrologia, 2017, 54, 08014-08014.	1.2	0