

Wendell W Walters

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/644447/publications.pdf>

Version: 2024-02-01

28
papers

1,035
citations

471509

17
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

722
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric nitrate formation pathways in urban and rural atmosphere of Northeast China: Implications for complicated anthropogenic effects. <i>Environmental Pollution</i> , 2022, 296, 118752.	7.5	11
2	Vehicular Emissions Enhanced Ammonia Concentrations in Winter Mornings: Insights from Diurnal Nitrogen Isotopic Signatures. <i>Environmental Science & Technology</i> , 2022, 56, 1578-1585.	10.0	37
3	Is fertilization the dominant source of ammonia in the urban atmosphere?. <i>Science of the Total Environment</i> , 2022, 838, 155890.	8.0	24
4	Substantial nitrogen oxides emission reduction from China due to COVID-19 and its impact on surface ozone and aerosol pollution. <i>Science of the Total Environment</i> , 2021, 753, 142238.	8.0	55
5	^{15}N natural abundance of vehicular exhaust ammonia, quantified by active sampling techniques. <i>Atmospheric Environment</i> , 2021, 255, 118430.	4.1	11
6	$\delta^{15}\text{N}$ in the Regional Atmospheric Chemistry Mechanism (RACM) for assessing the role photochemistry plays in controlling the isotopic composition of NO_x , NO_y , and atmospheric nitrate. <i>Geoscientific Model Development</i> , 2021, 14, 5001-5022.	3.6	7
7	Isotopic evidence for dominant secondary production of HONO in near-ground wildfire plumes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13077-13098.	4.9	16
8	Sources of ammonium in seasonal wet deposition at a coastal New England city. <i>Atmospheric Environment</i> , 2021, 260, 118557.	4.1	2
9	Highly concentrated atmospheric inorganic nitrogen deposition in an urban, coastal region in the US. <i>Environmental Research Communications</i> , 2020, 2, 081001.	2.3	13
10	Revisiting the Concentration Observations and Source Apportionment of Atmospheric Ammonia. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 933-938.	4.3	36
11	Systematic low bias of passive samplers in characterizing nitrogen isotopic composition of atmospheric ammonia. <i>Atmospheric Research</i> , 2020, 243, 105018.	4.1	40
12	Isotopic evidence that recent agriculture overprints climate variability in nitrogen deposition to the Tibetan Plateau. <i>Environment International</i> , 2020, 138, 105614.	10.0	23
13	Characterizing the spatiotemporal nitrogen stable isotopic composition of ammonia in vehicle plumes. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11551-11567.	4.9	34
14	Speciated Collection of Nitric Acid and Fine Particulate Nitrate for Nitrogen and Oxygen Stable Isotope Determination. <i>Analytical Chemistry</i> , 2020, 92, 16079-16088.	6.5	1
15	Assessing the Seasonal Dynamics of Nitrate and Sulfate Aerosols at the South Pole Utilizing Stable Isotopes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8161-8177.	3.3	21
16	Nitrate Isotopic Composition in Precipitation at a Chinese Megacity: Seasonal Variations, Atmospheric Processes, and Implications for Sources. <i>Earth and Space Science</i> , 2019, 6, 2200-2213.	2.6	32
17	Selective Collection of Particulate Ammonium for Nitrogen Isotopic Characterization Using a Denuder Filter Pack Sampling Device. <i>Analytical Chemistry</i> , 2019, 91, 7586-7594.	6.5	14
18	Isotopes, Stable. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Theoretical Phase Resolved Ammoniaâ€“Ammonium Nitrogen Equilibrium Isotope Exchange Fractionations: Applications for Tracking Atmospheric Ammonia Gas-to-Particle Conversion. ACS Earth and Space Chemistry, 2019, 3, 79-89.	2.7	56
20	Summertime diurnal variations in the isotopic composition of atmospheric nitrogen dioxide at a small midwestern United States city. Atmospheric Environment, 2018, 179, 1-11.	4.1	34
21	Collection of Ammonia for High Time-Resolved Nitrogen Isotopic Characterization Utilizing an Acid-Coated Honeycomb Denuder. Analytical Chemistry, 2018, 90, 8051-8057.	6.5	33
22	<i>Ab initio</i> study of nitrogen and position-specific oxygen kinetic isotope effects in the NO + O ₃ reaction. Journal of Chemical Physics, 2016, 145, 224311.	3.0	16
23	Theoretical calculation of oxygen equilibrium isotope fractionation factors involving various NO molecules, OH, and H ₂ O and its implications for isotope variations in atmospheric nitrate. Geochimica Et Cosmochimica Acta, 2016, 191, 89-101.	3.9	94
24	Nitrogen isotope exchange between NO and NO ₂ and its implications for $\delta^{15}\text{N}$ variations in tropospheric NO _x and atmospheric nitrate. Geophysical Research Letters, 2016, 43, 440-448.	4.0	77
25	Nitrogen Stable Isotope Composition ($\delta^{15}\text{N}$) of Vehicle-Emitted NO _x . Environmental Science & Technology, 2015, 49, 2278-2285.	10.0	142
26	Theoretical calculation of nitrogen isotope equilibrium exchange fractionation factors for various NO _y molecules. Geochimica Et Cosmochimica Acta, 2015, 164, 284-297.	3.9	100
27	Nitrogen Isotope Composition of Thermally Produced NO _x from Various Fossil-Fuel Combustion Sources. Environmental Science & Technology, 2015, 49, 11363-11371.	10.0	105
28	Performance of a high-resolution mid-IR optical-parametric-oscillator transient absorption spectrometer. Optics Express, 2014, 22, 14885.	3.4	1