

# Rolf E M Neubert

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,097  
citations

516215

16  
h-index

433756

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seven years of recent European net terrestrial carbon dioxide exchange constrained by atmospheric observations. <i>Global Change Biology</i> , 2010, 16, 1317-1337.	4.2	223
2	Cross contamination in dual inlet isotope ratio mass spectrometers. <i>International Journal of Mass Spectrometry</i> , 2000, 198, 45-61.	0.7	77
3	Carbon monoxide: A quantitative tracer for fossil fuel CO <sub>2</sub> ?. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	76
4	Radon activity in the lower troposphere and its impact on ionization rate: a global estimate using different radon emissions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7817-7838.	1.9	73
5	Permeation of atmospheric gases through polymer O-rings used in flasks for air sampling. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	67
6	A single gas chromatograph for accurate atmospheric mixing ratio measurements of CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, SF <sub>6</sub> and CO. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 549-559.	1.2	54
7	Validation of the DLW method in Japanese quail at different water fluxes using laser and IRMS. <i>Journal of Applied Physiology</i> , 2002, 93, 2147-2154.	1.2	53
8	Dry deposition of peroxyacetyl nitrate (PAN): Determination of its deposition velocity at night from measurements of the atmospheric PAN and <sup>222</sup> Radon concentration gradient. <i>Geophysical Research Letters</i> , 1996, 23, 3599-3602.	1.5	48
9	Observation-based estimates of fossil fuel-derived CO <sub>2</sub> emissions in the Netherlands using <sup>14</sup> C, CO and <sup>222</sup> Radon. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010, 62, 389-402.	0.8	47
10	Diurnal variability of <sup>13</sup> C and <sup>18</sup> O of atmospheric CO <sub>2</sub> in the urban atmosphere of Kraków, Poland. <i>Isotopes in Environmental and Health Studies</i> , 2004, 40, 129-143.	0.5	35
11	Atmospheric oxygen and carbon dioxide observations from two European coastal stations 2000–2005: continental influence, trend changes and APO climatology. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1599-1615.	1.9	34
12	Methane and nitrous oxide emissions in The Netherlands: ambient measurements support the national inventories. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9369-9379.	1.9	32
13	Oxygen isotopic signature of CO <sub>2</sub> from combustion processes. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1473-1490.	1.9	30
14	Fate of long-lived trace species near the Northern Hemispheric tropopause: Carbon dioxide, methane, ozone, and sulfur hexafluoride. <i>Journal of Geophysical Research</i> , 1999, 104, 13923-13942.	3.3	24
15	Inverse carbon dioxide flux estimates for the Netherlands. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
16	A Computer-Controlled Continuous Air Drying and Flask Sampling System. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 651-659.	0.5	23
17	Analyses of firn gas samples from Dronning Maud Land, Antarctica: Study of nonmethane hydrocarbons and methyl chloride. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	20
18	A European-wide <sup>222</sup> Rn and <sup>222</sup> Rn progeny comparison study. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1299-1312.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Continuous measurements of atmospheric oxygen and carbon dioxide on a North Sea gas platform. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 113-125.	1.2	17
20	N <sub>2</sub> O influence on isotopic measurements of atmospheric CO <sub>2</sub> . <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1839-1846.	0.7	15
21	Radiocarbon dating reveals different past managements of adjacent forest soils in the Campine region, Belgium. <i>Geoderma</i> , 2009, 149, 137-142.	2.3	15
22	CO <sub>2</sub> , δ <sup>13</sup> C, δ <sup>18</sup> O, δ <sup>15</sup> N and APO: observations from the Lutjewad, Mace Head and F3 platform flask sampling network. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10691-10704.	1.9	15
23	Atmospheric CO <sub>2</sub> , δ <sup>18</sup> O/δ <sup>16</sup> O, APO and oxidative ratios from aircraft flask samples over Fyodorovskoye, Western Russia. <i>Atmospheric Environment</i> , 2014, 97, 174-181.	1.9	15
24	Determination of microbial versus root-produced CO <sub>2</sub> in an agricultural ecosystem by means of <sup>13</sup> C measurements in soil air. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 909-918.	0.8	12
25	Fate of long-lived trace species near the northern hemispheric tropopause: 2. Isotopic composition of carbon dioxide ( <sup>13</sup> CO <sub>2</sub> , <sup>14</sup> CO <sub>2</sub> , and C <sup>18</sup> O <sup>16</sup> O). <i>Journal of Geophysical Research</i> , 2000, 105, 6719-6735.	3.3	12
26	Atmospheric CO <sub>2</sub> , δ <sup>13</sup> C, δ <sup>18</sup> O, δ <sup>15</sup> N and APO: measurements at Jungfraujoch, Switzerland: results from a flask sampling intercomparison program. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1805-1815.	1.2	12
27	Three years of aircraft-based trace gas measurements over the Fyodorovskoye southern taiga forest, 300 km north-west of Moscow. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 713-734.	0.8	10
28	Radiocarbon based assessment of soil organic matter contribution to soil respiration in a pine stand of the Campine region, Belgium. <i>Plant and Soil</i> , 2011, 344, 273-282.	1.8	6
29	Seasonal cycles of nonmethane hydrocarbons and methyl chloride, as derived from firn air from Dronning Maud Land, Antarctica. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	4
30	Comments on the paper by H.A.J. Meijer, R.E.M. Neubert and G.H. Visser: "Cross contamination in dual inlet isotope ratio mass spectrometers" 198(2000) 45-61. <i>International Journal of Mass Spectrometry</i> , 2001, 206, 177-178.	0.7	2
31	Telemonitoring of Driveline Exit Site for Early Detection of Relevant Driveline Infections. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, S135.	0.3	1