

Felix Vogel

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

725
citations

623188

14
h-index

610482

24
g-index

63
all docs

63
docs citations

63
times ranked

1083
citing authors

#	ARTICLE	IF	CITATIONS
1	Building the COllaborative Carbon Column Observing Network (COCCON): long-term stability and ensemble performance of the EM27/SUN Fourier transform spectrometer. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1513-1530.	1.2	82
2	Implication of weekly and diurnal $\delta^{14}C$ calibration on hourly estimates of CO-based fossil fuel CO ₂ at a moderately polluted site in southwestern Germany. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 512.	0.8	65
3	A global dataset of CO ₂ emissions and ancillary data related to emissions for 343 cities. <i>Scientific Data</i> , 2019, 6, 180280.	2.4	65
4	Eight-Year Estimates of Methane Emissions from Oil and Gas Operations in Western Canada Are Nearly Twice Those Reported in Inventories. <i>Environmental Science & Technology</i> , 2020, 54, 14899-14909.	4.6	52
5	Measured Canadian oil sands CO ₂ emissions are higher than estimates made using internationally recommended methods. <i>Nature Communications</i> , 2019, 10, 1863.	5.8	46
6	What would dense atmospheric observation networks bring to the quantification of city CO ₂ emissions?. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7743-7771.	1.9	45
7	Evaluation of a cavity ring-down spectrometer for in situ observations of $\delta^{13}C$ CO ₂ . <i>Atmospheric Measurement Techniques</i> , 2013, 6, 301-308.	1.2	41
8	XCO ₂ in an emission hot-spot region: the COCCON Paris campaign 2015. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3271-3285.	1.9	35
9	Impact of optimized mixing heights on simulated regional atmospheric transport of CO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7149-7172.	1.9	33
10	The H ₂ /CO ratio of emissions from combustion sources: comparison of top-down with bottom-up measurements in southwest Germany. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 547.	0.8	32
11	Study of the daily and seasonal atmospheric CH ₄ mixing ratio variability in a rural Spanish region using $\delta^{22}Rn$ tracer. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5847-5860.	1.9	24
12	Exploiting stagnant conditions to derive robust emission ratio estimates for CO ₂ , CO and volatile organic compounds in Paris. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15653-15664.	1.9	18
13	Characterization of interferences to in situ observations of $\delta^{13}C$ CH ₄ and C ₂ H ₆ when using a cavity ring-down spectrometer at industrial sites. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2677-2691.	1.2	18
14	Potential of European $\delta^{14}C$ CO ₂ observation network to estimate the fossil fuel CO ₂ emissions via atmospheric inversions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4229-4250.	1.9	17
15	Investigation of the Spatial Distribution of Methane Sources in the Greater Toronto Area Using Mobile Gas Monitoring Systems. <i>Environmental Science & Technology</i> , 2020, 54, 15671-15679.	4.6	17
16	Estimation of observation errors for large-scale atmospheric inversion of CO ₂ emissions from fossil fuel combustion. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1325723.	0.8	16
17	Characterization of a commercial lower-cost medium-precision non-dispersive infrared sensor for atmospheric CO ₂ monitoring in urban areas. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2665-2677.	1.2	16
18	Demonstration of spatial greenhouse gas mapping using laser absorption spectrometers on local scales. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 014002.	0.6	15

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19	Characterization of the $\delta^{13}\text{C}$ signatures of anthropogenic CO_2 emissions in the Greater Toronto Area, Canada. <i>Applied Geochemistry</i> , 2017, 83, 171-180.	1.4	13
20	High-resolution quantification of atmospheric CO_2 mixing ratios in the Greater Toronto Area, Canada. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3387-3401.	1.9	12
21	Analysis of atmospheric CH_4 in Canadian Arctic and estimation of the regional CH_4 fluxes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4637-4658.	1.9	12
22	Intercomparison study of atmospheric $\delta^{22}\text{Rn}$ and $\delta^{22}\text{Rn}$ progeny monitors. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2241-2255.	1.2	11
23	Improved calibration procedures for the EM27/SUN spectrometers of the COCCON. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2433-2463.	1.2	10
24	Implications for Deriving Regional Fossil Fuel CO_2 Estimates from Atmospheric Observations in a Hot Spot of Nuclear Power Plant $^{14}\text{CO}_2$ Emissions. <i>Radiocarbon</i> , 2013, 55, .	0.8	7
25	Quantifying the Impact of the COVID-19 Pandemic Restrictions on CO , CO_2 , and CH_4 in Downtown Toronto Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere</i> , 2021, 12, 848.	1.0	5
26	A multi-city urban atmospheric greenhouse gas measurement data synthesis. <i>Scientific Data</i> , 2022, 9, .	2.4	5
27	The Facility Level and Area Methane Emissions inventory for the Greater Toronto Area (FLAME-GTA). <i>Atmospheric Environment</i> , 2021, 252, 118319.	1.9	4
28	Using carbon-14 and carbon-13 measurements for source attribution of atmospheric methane in the Athabasca oil sands region. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2121-2133.	1.9	1
29	Tracking Local Radiocarbon Releases From Nuclear Power Plants in Southern Ontario (Canada) Using Annually Dated Tree-ring Records. <i>Anthropocene</i> , 2022, , 100338.	1.6	0