Felix Vogel

List of Publications by Year
in descending order

29	725	623188 14	610482 24
papers	citations	h-index	g-index

63	63	63	1083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The H₂/CO ratio of emissions from combustion sources: comparison of top-down with bottom-up measurements in southwest Germany. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 547.	0.8	32
2	Implication of weekly and diurnal ¹⁴C calibration on hourly estimates of CO-based fossil fuel CO₂ ata moderately polluted site in southwestern Germany. Tellus, Series B: Chemical and Physical Meteorology, 2022, 62, 512.	0.8	65
3	Using carbon-14 and carbon-13 measurements for source attribution of atmospheric methane in the Athabasca oil sands region. Atmospheric Chemistry and Physics, 2022, 22, 2121-2133.	1.9	1
4	Improved calibration procedures for the EM27/SUN spectrometers of the COllaborative Carbon Column Observing Network (COCCON). Atmospheric Measurement Techniques, 2022, 15, 2433-2463.	1.2	10
5	Tracking Local Radiocarbon Releases From Nuclear Power Plants in Southern Ontario (Canada) Using Annually Dated Tree-ring Records. Anthropocene, 2022, , 100338.	1.6	0
6	A multi-city urban atmospheric greenhouse gas measurement data synthesis. Scientific Data, 2022, 9, .	2.4	5
7	The Facility Level and Area Methane Emissions inventory for the Greater Toronto Area (FLAME-GTA). Atmospheric Environment, 2021, 252, 118319.	1.9	4
8	Quantifying the Impact of the COVID-19 Pandemic Restrictions on CO, CO2, and CH4 in Downtown Toronto Using Open-Path Fourier Transform Spectroscopy. Atmosphere, 2021, 12, 848.	1.0	5
9	Eight-Year Estimates of Methane Emissions from Oil and Gas Operations in Western Canada Are Nearly Twice Those Reported in Inventories. Environmental Science & Technology, 2020, 54, 14899-14909.	4.6	52
10	Intercomparison study of atmospheric ²²²Rn and ²²²Rn progeny monitors. Atmospheric Measurement Techniques, 2020, 13, 2241-2255.	1.2	11
11	Investigation of the Spatial Distribution of Methane Sources in the Greater Toronto Area Using Mobile Gas Monitoring Systems. Environmental Science & Technology, 2020, 54, 15671-15679.	4.6	17
12	A global dataset of CO2 emissions and ancillary data related to emissions for 343 cities. Scientific Data, 2019, 6, 180280.	2.4	65
13	Analysis of atmospheric CH₄ in Canadian Arctic and estimation of the regional CH₄ fluxes. Atmospheric Chemistry and Physics, 2019, 19, 4637-4658.	1.9	12
14	Building the COllaborative Carbon Column Observing Network (COCCON): long-term stability and ensemble performance of the EM27/SUN Fourier transform spectrometer. Atmospheric Measurement Techniques, 2019, 12, 1513-1530.	1.2	82
15	Characterization of a commercial lower-cost medium-precision non-dispersive infrared sensor for atmospheric CO₂ monitoring in urban areas. Atmospheric Measurement Techniques, 2019, 12, 2665-2677.	1.2	16
16	Measured Canadian oil sands CO2 emissions are higher than estimates made using internationally recommended methods. Nature Communications, 2019, 10, 1863.	5.8	46
17	XCO₂ in an emission hot-spot region: the COCCON Paris campaign 2015. Atmospheric Chemistry and Physics, 2019, 19, 3271-3285.	1.9	35
18	High-resolution quantification of atmospheric CO₂ mixing ratios in the Greater Toronto Area, Canada. Atmospheric Chemistry and Physics, 2018, 18, 3387-3401.	1.9	12

#	Article	IF	Citations
19	Potential of European ¹⁴CO₂ observation network to estimate the fossil fuel CO₂ emissions via atmospheric inversions. Atmospheric Chemistry and Physics, 2018, 18, 4229-4250.	1.9	17
20	Study of the daily and seasonal atmospheric CH₄ mixing ratio variability in a rural Spanish region using ²²²Rn tracer. Atmospheric Chemistry and Physics, 2018, 18, 5847-5860.	1.9	24
21	Characterization of the Î´ 13 C signatures of anthropogenic CO 2 emissions in the Greater Toronto Area, Canada. Applied Geochemistry, 2017, 83, 171-180.	1.4	13
22	Estimation of observation errors for large-scale atmospheric inversion of CO2 emissions from fossil fuel combustion. Tellus, Series B: Chemical and Physical Meteorology, 2017, 69, 1325723.	0.8	16
23	Characterization of interferences to in situ observations of <i>Î´</i>¹³CH₄ and C₂H₆ when using a cavity ring-down spectrometer at industrial sites. Atmospheric Measurement Techniques, 2017, 10, 2077-2091.	1.2	18
24	Demonstration of spatial greenhouse gas mapping using laser absorption spectrometers on local scales. Journal of Applied Remote Sensing, 2017, 11, 014002.	0.6	15
25	Exploiting stagnant conditions to derive robust emission ratio estimates for CO₂, CO and volatile organic compounds in Paris. Atmospheric Chemistry and Physics, 2016, 16, 15653-15664.	1.9	18
26	What would dense atmospheric observation networks bring to the quantification of city CO₂ emissions?. Atmospheric Chemistry and Physics, 2016, 16, 7743-7771.	1.9	45
27	Impact of optimized mixing heights on simulated regional atmospheric transport of CO₂. Atmospheric Chemistry and Physics, 2014, 14, 7149-7172.	1.9	33
28	Evaluation of a cavity ring-down spectrometer for in situ observations of ¹³CO₂. Atmospheric Measurement Techniques, 2013, 6, 301-308.	1.2	41
29	Implications for Deriving Regional Fossil Fuel CO2 Estimates from Atmospheric Observations in a Hot Spot of Nuclear Power Plant 14CO2 Emissions. Radiocarbon, 2013, 55, .	0.8	7