

Dirk Richter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3427734/publications.pdf>

Version: 2024-02-01

12
papers

435
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. Bulletin of the American Meteorological Society, 2015, 96, 1281-1309.	3.3	165
2	Compact highly sensitive multi-species airborne mid-IR spectrometer. Applied Physics B: Lasers and Optics, 2015, 119, 119-131.	2.2	79
3	Revisiting global fossil fuel and biofuel emissions of ethane. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2493-2512.	3.3	43
4	Estimating Methane Emissions From Underground Coal and Natural Gas Production in Southwestern Pennsylvania. Geophysical Research Letters, 2019, 46, 4531-4540.	4.0	32
5	Convective transport of formaldehyde to the upper troposphere and lower stratosphere and associated scavenging in thunderstorms over the central United States during the 2012 DC3 study. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7430-7460.	3.3	28
6	Multispecies Assessment of Factors Influencing Regional CO ₂ and CH ₄ Enhancements During the Winter 2017 ACT-America Campaign. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031339.	3.3	23
7	Analysis of Oil and Gas Ethane and Methane Emissions in the Southcentral and Eastern United States Using Four Seasons of Continuous Aircraft Ethane Measurements. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034194.	3.3	16
8	Atmospheric Carbon and Transport in America (ACT-America) Data Sets: Description, Management, and Delivery. Earth and Space Science, 2021, 8, e2020EA001634.	2.6	15
9	Sources and characteristics of summertime organic aerosol in the Colorado Front Range: perspective from measurements and WRF-Chem modeling. Atmospheric Chemistry and Physics, 2018, 18, 8293-8312.	4.9	13
10	Atmospheric Implications of Large C ₂ -C ₅ Alkane Emissions From the U.S. Oil and Gas Industry. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1148-1169.	3.3	12
11	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC 4 RS Case Study. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031957.	3.3	5
12	Autonomous airborne mid-infrared spectrometer for high-precision measurements of ethane during the NASA ACT-America studies. Atmospheric Measurement Techniques, 2020, 13, 6095-6112.	3.1	2