

Dirk Richter

List of Publications by Year in descending order

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