Clay Bell

List of Publications by Year
in descending order

13 papers	**574** citations	933447 **10** h-index	1125743 **13** g-index
13 all docs	**13** docs citations	**13** times ranked	**512** citing authors

#	Article	IF	Citations
1	Variation in Methane Emission Rates from Well Pads in Four Oil and Gas Basins with Contrasting Production Volumes and Compositions. Environmental Science & Technology, 2017, 51, 8832-8840.	10.0	94
2	An experimental investigation of incomplete combustion of gaseous fuels of a heavy-duty diesel engine supplemented with hydrogen and natural gas. International Journal of Hydrogen Energy, 2012, 37, 7848-7859.	7.1	87
3	Temporal variability largely explains top-down/bottom-up difference in methane emission estimates from a natural gas production region. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11712-11717.	7.1	87
4	Improved Mechanistic Understanding of Natural Gas Methane Emissions from Spatially Resolved Aircraft Measurements. Environmental Science & Technology, 2017, 51, 7286-7294.	10.0	83
5	â€œGood versus Good Enough?â€•Empirical Tests of Methane Leak Detection Sensitivity of a Commercial Infrared Camera. Environmental Science & Technology, 2018, 52, 2368-2374.	10.0	58
6	Comparison of methane emission estimates from multiple measurement techniques at natural gas production pads. Elementa, 2017, 5, .	3.2	49
7	Detection Limits of Optical Gas Imaging for Natural Gas Leak Detection in Realistic Controlled Conditions. Environmental Science & Technology, 2020, 54, 11506-11514.	10.0	48
8	Evaluation of next generation emission measurement technologies under repeatable test protocols. Elementa, 2020, 8, .	3.2	23
9	A Methane Emission Estimation Tool (MEET) for predictions of emissions from upstream oil and gas well sites with fine scale temporal and spatial resolution: Model structure and applications. Science of the Total Environment, 2022, 829, 154277.	8.0	16
10	Methane source attribution in a U.S. dry gas basin using spatial patterns of ground and airborne ethane and methane measurements. Elementa, 2019, 7, .	3.2	10
11	Modeling temporal variability in the surface expression above a methane leak: The ESCAPE model. Journal of Natural Gas Science and Engineering, 2021, 96, 104275.	4.4	7
12	Modeling air emissions from complex facilities at detailed temporal and spatial resolution: The Methane Emission Estimation Tool (MEET). Science of the Total Environment, 2022, 824, 153653.	8.0	7
13	Scalable turbocharger performance maps for dynamic state-based engine models. International Journal of Engine Research, 2016, 17, 705-712.	2.3	5