

# Robert A Field

## List of Publications by Year in descending order

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36  
papers

2,294  
citations

411340

20  
h-index

406436

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global warming consequences of replacing natural gas with hydrogen in the domestic energy sectors of future low-carbon economies in the United Kingdom and the United States of America. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30190-30203.	3.8	59
2	Off-Site Flux Estimates of Volatile Organic Compounds from Oil and Gas Production Facilities Using Fast-Response Instrumentation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1385-1394.	4.6	12
3	New Mexico Permian Basin Measured Well Pad Methane Emissions Are a Factor of 5â€“9 Times Higher Than U.S. EPA Estimates. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13926-13934.	4.6	48
4	Constraining the accuracy of flux estimates using OTMÂ33A. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 341-353.	1.2	33
5	Origins and trends in ethane and propane in the United Kingdom from 1993 to 2012. <i>Atmospheric Environment</i> , 2017, 156, 15-23.	1.9	12
6	Variation in Methane Emission Rates from Well Pads in Four Oil and Gas Basins with Contrasting Production Volumes and Compositions. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8832-8840.	4.6	94
7	Comparison of methane emission estimates from multiple measurement techniques at natural gas production pads. <i>Elementa</i> , 2017, 5, .	1.1	49
8	Validation and modelling of a novel diffusive sampler for determining concentrations of volatile organic compounds in air. <i>Analytica Chimica Acta</i> , 2016, 908, 102-112.	2.6	9
9	Influence of oil and gas field operations on spatial and temporal distributions of atmospheric non-methane hydrocarbons and their effect on ozone formation in winter. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3527-3542.	1.9	52
10	Barrier Wind Formation in the Upper Green River Basin of Sublette County, Wyoming, and Its Relationship to Elevated Ozone Distributions in Winter. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 2427-2442.	0.6	2
11	PTR-QMS versus PTR-TOF comparison in a region with oil and natural gas extraction industry in the Uintah Basin in 2013. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 411-420.	1.2	29
12	Distributions of air pollutants associated with oil and natural gas development measured in the Upper Green River Basin of Wyoming. <i>Elementa</i> , 2015, 3, .	1.1	7
13	Measurements of hydrogen sulfide (H&lt;sub&gt;2&lt;/sub&gt;S) using PTR-MS: calibration, humidity dependence, inter-comparison and results from field studies in an oil and gas production region. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3597-3610.	1.2	26
14	Air quality concerns of unconventional oil and natural gas production. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 954-969.	1.7	106
15	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014, 514, 351-354.	13.7	265
16	Twenty years of continuous high time resolution volatile organic compound monitoring in the United Kingdom from 1993 to 2012. <i>Atmospheric Environment</i> , 2014, 99, 239-247.	1.9	21
17	Strong wintertime ozone events in the Upper Green River basin, Wyoming. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4909-4934.	1.9	48
18	An approach for the evaluation of exposure patterns of urban populations to air pollution. <i>Atmospheric Environment</i> , 2008, 42, 5350-5364.	1.9	23

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19	Population exposure to benzene: One day cross-sections in six European cities. Atmospheric Environment, 2006, 40, 3355-3366.	1.9	59
20	MECHANICALLY RECOVERED MEAT. , 2004, , 721-727.		5
21	Iron, Zinc and $\hat{\pm}$ -Tocopherol Content of Bovine Hemopoietic Marrow. Journal of Food Composition and Analysis, 2002, 15, 19-25.	1.9	1
22	Interlaboratory exercises for volatile organic compound determination. Atmospheric Environment, 2001, 35, 5729-5740.	1.9	13
23	Analysis and interpretation of the continuous hourly monitoring data for 26 C <sub>2</sub> –C <sub>8</sub> hydrocarbons at 12 United Kingdom sites during 1996. Atmospheric Environment, 2000, 34, 297-312.	1.9	170
24	Effect of method of analysis on iron content of beef from advanced meat recovery systems. Meat Science, 2000, 56, 351-355.	2.7	2
25	Ash and calcium as measures of bone in meat and bone mixtures. Meat Science, 2000, 55, 255-264.	2.7	28
26	Characteristics of Metacarpal Bones from Cows of Different Ages and Weights. The Professional Animal Scientist, 1999, 15, 169-172.	0.7	3
27	Bone marrow measurements for mechanically recovered products from machines that press bones. Meat Science, 1999, 51, 205-214.	2.7	16
28	Polycyclic aromatic hydrocarbons in central London air during 1991 and 1992. Science of the Total Environment, 1996, 177, 73-84.	3.9	43
29	Trends in motor-vehicle related air pollutants in central London. Environmental Monitoring and Assessment, 1996, 43, 101-116.	1.3	2
30	Analysis and interpretation of air quality data from an urban roadside location in Central London over the period from July 1991 to July 1992. Atmospheric Environment, 1995, 29, 923-946.	1.9	179
31	The variation of volatile organic compound concentrations in central London during the period July 1991 to September 1992. Environmental Technology (United Kingdom), 1994, 15, 931-944.	1.2	13
32	The variation in volatile organic compound concentrations in central London between 1986 and 1992. Environmental Technology (United Kingdom), 1994, 15, 801-812.	1.2	9
33	Relationships between indoor and outdoor air quality in four naturally ventilated offices in the United Kingdom. Atmospheric Environment Part A General Topics, 1993, 27, 1743-1753.	1.3	30
34	Indoor/outdoor interactions during an air pollution event in Central London. Environmental Technology (United Kingdom), 1992, 13, 391-408.	1.2	18
35	The sources and behaviour of tropospheric anthropogenic volatile hydrocarbons. Atmospheric Environment Part A General Topics, 1992, 26, 2983-2996.	1.3	69
36	A review of atmospheric polycyclic aromatic hydrocarbons: Sources, fate and behavior. Water, Air, and Soil Pollution, 1991, 60, 279-300.	1.1	739