

Matthew Fladeland

List of Publications by Year in descending order

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10
papers

206
citations

1307594

7
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Unmanned Aerial Mass Spectrometer Systems for In-Situ Volcanic Plume Analysis. Journal of the American Society for Mass Spectrometry, 2015, 26, 292-304.	2.8	39
2	Satellite-derived estimates of potential carbon sequestration through afforestation of agricultural lands in the United States. Climatic Change, 2007, 80, 323-336.	3.6	36
3	Utilization of in situ airborne MS-based instrumentation for the study of gaseous emissions at active volcanoes. International Journal of Mass Spectrometry, 2010, 295, 105-112.	1.5	34
4	Storage of carbon in U.S. forests predicted from satellite data, ecosystem modeling, and inventory summaries. Climatic Change, 2008, 90, 269-282.	3.6	31
5	<i>In situ</i> observations and sampling of volcanic emissions with NASA and UCR unmanned aircraft, including a case study at Turrialba Volcano, Costa Rica. Geological Society Special Publication, 2013, 380, 321-352.	1.3	27
6	Constraining the sulfur dioxide degassing flux from Turrialba volcano, Costa Rica using unmanned aerial system measurements. Journal of Volcanology and Geothermal Research, 2016, 325, 110-118.	2.1	17
7	Atmospheric characterization through fused mobile airborne and surface in situ surveys: methane emissions quantification from a producing oil field. Atmospheric Measurement Techniques, 2018, 11, 1689-1705.	3.1	13
8	Air pollution inputs to the Mojave Desert by fusing surface mobile and airborne in situ and airborne and satellite remote sensing: A case study of interbasin transport with numerical model validation. Atmospheric Environment, 2020, 224, 117184.	4.1	6
9	Volcano Monitoring with small Unmanned Aerial Systems. , 2012, , .		3
10	Intelligent Decentralized Unmanned Aerial Survey of Volcanic Plumes. , 2016, , .		0