Jessica L Mccarty

List of Publications by Year
in descending order

24 papers	929 citations	567281 15 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	1626 citing authors

#	Article	IF	Citations
1	Global distribution of agricultural fires in croplands from 3 years of Moderate Resolution Imaging Spectroradiometer (MODIS) data. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	201
2	The spatial and temporal distribution of crop residue burning in the contiguous United States. Science of the Total Environment, 2009, 407, 5701-5712.	8.0	115
3	Arctic fires re-emerging. Nature Geoscience, 2020, 13, 658-660.	12.9	79
4	Remote sensing estimates of stand-replacement fires in Russia, 2002â€"2011. Environmental Research Letters, 2014, 9, 105007.	5.2	70
5	Reviews and syntheses: Arctic fire regimes and emissions in the 21st century. Biogeosciences, 2021, 18, 5053-5083.	3.3	59
6	Accounting for Training Data Error in Machine Learning Applied to Earth Observations. Remote Sensing, 2020, 12, 1034.	4.0	49
7	Remote Sensing-Based Estimates of Annual and Seasonal Emissions from Crop Residue Burning in the Contiguous United States. Journal of the Air and Waste Management Association, 2011, 61, 22-34.	1.9	47
8	Multi-year black carbon emissions from cropland burning in the Russian Federation. Atmospheric Environment, 2012, 63, 223-238.	4.1	44
9	Development of the crop residue and rangeland burning in the 2014 National Emissions Inventory using information from multiple sources. Journal of the Air and Waste Management Association, 2017, 67, 613-622.	1.9	37
10	Exploiting the Convergence of Evidence in Satellite Data for Advanced Weather Index Insurance Design. Weather, Climate, and Society, 2019, 11, 65-93.	1.1	37
11	Smallholder crop area mapped with wall-to-wall WorldView sub-meter panchromatic image texture: A test case for Tigray, Ethiopia. Remote Sensing of Environment, 2018, 212, 8-20.	11.0	31
12	An approach for verifying biogenic greenhouse gas emissions inventories with atmospheric CO$_2$ concentration data. Environmental Research Letters, 2015, 10, 034012.	5.2	27
13	Farmer Perception, Recollection, and Remote Sensing in Weather Index Insurance: An Ethiopia Case Study. Remote Sensing, 2018, 10, 1887.	4.0	26
14	Monitoring uranium mine pollution on Native American lands: Insights from tree bark particulate matter on the Spokane Reservation, Washington, USA. Environmental Research, 2021, 194, 110619.	7.5	21
15	Is remote sensing useful for finding and monitoring urban farms?. Applied Geography, 2017, 80, 23-33.	3.7	19
16	Management and climate contributions to satelliteâ€derived active fire trends in the contiguous United States. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 645-660.	3.0	13
17	Global search for temporal shifts in fire activity: potential human influence on southwest Russia and north Australia fire seasons. Environmental Research Letters, 2021, 16, 044023.	5.2	12
18	Spring fires in Russia: results from participatory burned area mapping with Sentinel-2 imagery. Environmental Research Letters, 2021, 16, 125005.	5.2	11

#	Article	IF	Citations
19	Fire on the Water Towers: Mapping Burn Scars on Mount Kenya Using Satellite Data to Reconstruct Recent Fire History. Remote Sensing, 2019, 11, 104.	4.0	8
20	Estimating Black Carbon Emissions from Agricultural Burning. Environmental Science and Engineering, 2014, , 347-364.	0.2	8
21	Agricultural Fires in European Russia, Belarus, and Lithuania and Their Impact on Air Quality, 2002â€"2012. , 2017, , 193-221.		7
22	Fusion Approach for Remotely-Sensed Mapping of Agriculture (FARMA): A Scalable Open Source Method for Land Cover Monitoring Using Data Fusion. Remote Sensing, 2020, 12, 3459.	4.0	3
23	Where there is smoke: Introduction to the virtual special issue of health impacts of wildland fire smoke exposure - Selected papers from the 2nd International Smoke Symposium. Science of the Total Environment, 2018, 626, 1259-1260.	8.0	0
24	A Multi-Modal Approach for Monitoring Changes in Agriculture in the Mekong River Delta. , 2020, , .		0