

# Matthew C Roby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7116095/publications.pdf>

Version: 2024-02-01

7  
papers

169  
citations

1478505

6  
h-index

1720034

7  
g-index

8  
all docs

8  
docs citations

8  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	SMOS optical thickness changes in response to the growth and development of crops, crop management, and weather. <i>Remote Sensing of Environment</i> , 2016, 180, 320-333.	11.0	47
2	Airborne observations and modeling of springtime stratosphere-to-troposphere transport over California. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12481-12494.	4.9	37
3	High Vapor Pressure Deficit Decreases the Productivity and Water Use Efficiency of Rain-Induced Pulses in Semiarid Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005665.	3.0	28
4	Biomass sorghum and maize have similar water-use-efficiency under non-drought conditions in the rain-fed Midwest U.S.. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 434-444.	4.8	21
5	Environmental and Vegetative Controls on Soil CO <sub>2</sub> Efflux in Three Semiarid Ecosystems. <i>Soil Systems</i> , 2019, 3, 6.	2.6	21
6	Characterizing the impacts of vertical transport and photochemical ozone production on an exceedance area. <i>Atmospheric Environment</i> , 2015, 109, 342-350.	4.1	12
7	Assimilation of Global Satellite Leaf Area Estimates Reduces Modeled Global Carbon Uptake and Energy Loss by Terrestrial Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	3