

Steven J Greybush

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

461
citations

933447

10
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	Balance and Ensemble Kalman Filter Localization Techniques. <i>Monthly Weather Review</i> , 2011, 139, 511-522.	1.4	194
2	Ensemble Kalman filter data assimilation of Thermal Emission Spectrometer temperature retrievals into a Mars GCM. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57
3	An ensemble Kalman filter data assimilation system for the martian atmosphere: Implementation and simulation experiments. <i>Icarus</i> , 2010, 209, 470-481.	2.5	33
4	The Ensemble Mars Atmosphere Reanalysis System (EMARS) Version 1.0. <i>Geoscience Data Journal</i> , 2019, 6, 137-150.	4.4	29
5	Assessing the Ensemble Predictability of Precipitation Forecasts for the January 2015 and 2016 East Coast Winter Storms. <i>Weather and Forecasting</i> , 2017, 32, 1057-1078.	1.4	27
6	Identifying Martian atmospheric instabilities and their physical origins using bred vectors. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 639-653.	2.7	22
7	Pan-African evolution of within- and between-country COVID-19 dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
8	Transient eddies in the TES/MCS Ensemble Mars Atmosphere Reanalysis System (EMARS). <i>Icarus</i> , 2019, 317, 158-181.	2.5	19
9	Chasing Snowstorms: The Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms (IMPACTS) Campaign. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1243-E1269.	3.3	18
10	Ensemble-Based Assimilation of Satellite All-Sky Microwave Radiances Improves Intensity and Rainfall Predictions for Hurricane Harvey (2017). <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	15
11	Impact of assimilation window length on diurnal features in a Mars atmospheric analysis. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 67, 26042.	1.7	10
12	Revisiting Online and Offline Data Assimilation Comparison for Paleoclimate Reconstruction: An Idealized OSSE Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034214.	3.3	9
13	Tailored Ensemble Prediction Systems: Application of Seamless Scale Bred Vectors. <i>Journal of the Meteorological Society of Japan</i> , 2020, 98, 1029-1050.	1.8	5
14	Exploring the Role of Deep Moist Convection in the Wavenumber Spectra of Atmospheric Kinetic Energy and Brightness Temperature. <i>Journals of the Atmospheric Sciences</i> , 2022, , .	1.7	1
15	Potential for new constraints on tropical cyclone surface-exchange coefficients through simultaneous ensemble-based state and parameter estimation. <i>Monthly Weather Review</i> , 2021, , .	1.4	0
16	Low-Level Jets and the Convergence of Mars Data Assimilation Algorithms. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	0
17	Applications of the Geometry-Sensitive Ensemble Mean for Lake-Effect Snowbands and Other Weather Phenomena. <i>Monthly Weather Review</i> , 2022, 150, 409-429.	1.4	0