Tijana Janjic

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6624239/publications.pdf

Version: 2024-02-01

43 papers	1,257 citations	430874 18 h-index	361022 35 g-index
57 all docs	57 docs citations	57 times ranked	1270 citing authors

#	Article	IF	Citations
1	Combining data assimilation and machine learning toÂestimate parameters of a convectiveâ€scale model. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 860-874.	2.7	5
2	Ensemble Kalman filter based data assimilation for tropical waves in the MJO skeleton model. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 1035-1056.	2.7	3
3	Assimilating radar radial wind and reflectivity data in an idealized setup of the COSMO-KENDA system. Atmospheric Research, 2021, 249, 105282.	4.1	15
4	Training a convolutional neural network to conserve mass in data assimilation. Nonlinear Processes in Geophysics, 2021, 28, 111-119.	1.3	15
5	A data assimilation algorithm for predicting rain. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 1949-1963.	2.7	9
6	Applying a new integrated mass-flux adjustment filter in rapid update cycling of convective-scale data assimilation for the COSMO model (v5.07). Geoscientific Model Development, 2021, 14, 1295-1307.	3.6	7
7	Waves to Weather: Exploring the Limits of Predictability of Weather. Bulletin of the American Meteorological Society, 2021, 102, E2151-E2164.	3.3	5
8	Interpreting estimated observation error statistics of weather radar measurements using the ICON-LAM-KENDA system. Atmospheric Measurement Techniques, 2021, 14, 5735-5756.	3.1	10
9	Representing Microphysical Uncertainty in Convectiveâ€Scale Data Assimilation Using Additive Noise. Journal of Advances in Modeling Earth Systems, 2021, 13, .	3.8	4
10	Overview: Fusion of radar polarimetry and numerical atmospheric modelling towards an improved understanding of cloud and precipitation processes. Atmospheric Chemistry and Physics, 2021, 21, 17291-17314.	4.9	18
11	Weakly Constrained LETKF for Estimation of Hydrometeor Variables in Convectiveâ€Scale Data Assimilation. Geophysical Research Letters, 2021, 48, .	4.0	2
12	Combined State-Parameter Estimation with the LETKF for Convective-Scale Weather Forecasting. Monthly Weather Review, 2020, 148, 1607-1628.	1.4	15
13	Comparison of Methods Accounting for Subgrid-Scale Model Error in Convective-Scale Data Assimilation. Monthly Weather Review, 2020, 148, 2457-2477.	1.4	13
14	Representation of Model Error in Convectiveâ€Scale Data Assimilation: Additive Noise Based on Model Truncation Error. Journal of Advances in Modeling Earth Systems, 2019, 11, 752-770.	3.8	12
15	A flexible additive inflation scheme for treating model error in ensemble Kalman filters. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2026-2037.	2.7	7
16	Survey of data assimilation methods for convectiveâ€scale numerical weather prediction at operational centres. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1218-1256.	2.7	189
17	On the representation error in data assimilation. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1257-1278.	2.7	202
18	Representation of Model Error in Convectiveâ€Scale Data Assimilation: Additive Noise, Relaxation Methods, and Combinations. Journal of Advances in Modeling Earth Systems, 2018, 10, 2889-2911.	3.8	24

#	Article	IF	Citations
19	Parameter and state estimation with ensemble Kalman filter based algorithms for convectiveâ€scale applications. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 826-841.	2.7	29
20	Ensembleâ€type Kalman filter algorithm conserving mass, total energy and enstrophy. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2902-2914.	2.7	12
21	Characterizing noise and spurious convection in convective data assimilation. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3060-3069.	2.7	10
22	Testing particle filters on simple convectiveâ€scale models. PartÂ2: AÂmodified shallowâ€water model. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1628-1646.	2.7	5
23	Study of conservation laws with the Local Ensemble Transform Kalman Filter. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2359-2372.	2.7	18
24	Testing particle filters on simple convectiveâ€scale models Part I: A stochastic cloud model. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1439-1452.	2.7	2
25	Assimilation of Mode-S EHS Aircraft Observations in COSMO-KENDA. Monthly Weather Review, 2016, 144, 1697-1711.	1.4	30
26	HErZ: The German Hans-Ertel Centre for Weather Research. Bulletin of the American Meteorological Society, 2016, 97, 1057-1068.	3.3	55
27	Initial phase of the Hans-Ertel Centre for Weather ResearchÂâ€“ A virtual centre at the interface of basic and applied weather and climate research. Meteorologische Zeitschrift, 2014, 23, 193-208.	1.0	37
28	Mean Dynamic Ocean Topography in the Southern Ocean from GRACE and GOCE and Multi-mission Altimeter Data. International Association of Geodesy Symposia, 2014, , 81-87.	0.4	1
29	Conservation of Mass and Preservation of Positivity with Ensemble-Type Kalman Filter Algorithms. Monthly Weather Review, 2014, 142, 755-773.	1.4	55
30	Assimilating NOAA SST data into BSH operational circulation model for the North and Baltic Seas: Part 2. Sensitivity of the forecast's skill to the prior model error statistics. Journal of Marine Systems, 2014, 129, 259-270.	2.1	16
31	Assimilation of geodetic dynamic ocean topography using ensemble based Kalman filter. Journal of Geodynamics, 2012, 59-60, 92-98.	1.6	9
32	A Unification of Ensemble Square Root Kalman Filters. Monthly Weather Review, 2012, 140, 2335-2345.	1.4	68
33	A regulated localization scheme for ensembleâ€based Kalman filters. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 802-812.	2.7	53
34	High resolution dynamic ocean topography in the Southern Ocean from GOCE. Geophysical Journal International, 2012, 190, 922-930.	2.4	25
35	Impact of combining GRACE and GOCE gravity data on ocean circulation estimates. Ocean Science, 2012, 8, 65-79.	3.4	21
36	On Domain Localization in Ensemble-Based Kalman Filter Algorithms. Monthly Weather Review, 2011, 139, 2046-2060.	1.4	70

#	Article	IF	Citations
37	A Class of Conservative Fourth-Order Advection Schemes and Impact of Enhanced Formal Accuracy on Extended-Range Forecasts. Monthly Weather Review, 2011, 139, 1556-1568.	1.4	38
38	Assimilation of sea ice motion in a finiteâ€element sea ice model. Journal of Geophysical Research, 2009, 114, .	3.3	27
39	Sequential assimilation of multi-mission dynamical topography into a global finite-element ocean model. Ocean Science, 2008, 4, 307-318.	3.4	9
40	Treatment of Observation Error due to Unresolved Scales in Atmospheric Data Assimilation. Monthly Weather Review, 2006, 134, 2900-2915.	1.4	75
41	Twenty-Four-Hour Observations of the Marine Boundary Layer Using Shipborne NOAA High-Resolution Doppler Lidar. Journal of Applied Meteorology and Climatology, 2005, 44, 1723-1744.	1.7	33
42	High-Resolution Studies of Transport Processes in the Atmospheric Boundary Layer Using the Synergy of Large Eddy Simulation and Measurements of Advanced Lidar Systems. , 2003, , 1-10.		0
43	Comments on â€˜A finite-volume integration method for computing pressure gradient force in general		