

Lili Lei

List of Publications by Year in descending order

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27
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Empirical Localization of Observation Impact in Ensemble Kalman Filters. <i>Monthly Weather Review</i> , 2013, 141, 4140-4153. | 1.4 | 56 |
| 2 | The impact of multi-species surface chemical observation assimilation on air quality forecasts in China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17387-17404. | 4.9 | 51 |
| 3 | Improving Assimilation of Radiance Observations by Implementing Model Space Localization in an Ensemble Kalman Filter. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 3221-3232. | 3.8 | 40 |
| 4 | A Four-Dimensional Incremental Analysis Update for the Ensemble Kalman Filter. <i>Monthly Weather Review</i> , 2016, 144, 2605-2621. | 1.4 | 33 |
| 5 | A hybrid nudging-ensemble Kalman filter approach to data assimilation in WRF/DART. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 2066-2078. | 2.7 | 30 |
| 6 | Gain Form of the Ensemble Transform Kalman Filter and Its Relevance to Satellite Data Assimilation with Model Space Ensemble Covariance Localization. <i>Monthly Weather Review</i> , 2017, 145, 4575-4592. | 1.4 | 29 |
| 7 | Comparisons of Empirical Localization Techniques for Serial Ensemble Kalman Filters in a Simple Atmospheric General Circulation Model. <i>Monthly Weather Review</i> , 2014, 142, 739-754. | 1.4 | 28 |
| 8 | Model Space Localization Is Not Always Better Than Observation Space Localization for Assimilation of Satellite Radiances. <i>Monthly Weather Review</i> , 2015, 143, 3948-3955. | 1.4 | 21 |
| 9 | Evaluating the tradeoffs between ensemble size and ensemble resolution in an ensemble-variational data assimilation system. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 781-789. | 3.8 | 21 |
| 10 | Empirical Localization of Observations for Serial Ensemble Kalman Filter Data Assimilation in an Atmospheric General Circulation Model. <i>Monthly Weather Review</i> , 2014, 142, 1835-1851. | 1.4 | 20 |
| 11 | Empirical Localization Functions for Ensemble Kalman Filter Data Assimilation in Regions with and without Precipitation. <i>Monthly Weather Review</i> , 2015, 143, 3664-3679. | 1.4 | 20 |
| 12 | Localizing the impact of satellite radiance observations using a global group ensemble filter. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 719-734. | 3.8 | 16 |
| 13 | Evaluating the Impact of Emissions Regulations on the Emissions Reduction During the 2015 China Victory Day Parade With an Ensemble Square Root Filter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4122-4134. | 3.3 | 14 |
| 14 | Impacts of Assimilation Frequency on Ensemble Kalman Filter Data Assimilation and Imbalances. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002187. | 3.8 | 14 |
| 15 | A hybrid nudging-ensemble Kalman filter approach to data assimilation. Part I: application in the Lorenz system. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 18484. | 1.7 | 14 |
| 16 | Multivariate Ensemble Sensitivity with Localization. <i>Monthly Weather Review</i> , 2015, 143, 2013-2027. | 1.4 | 13 |
| 17 | A hybrid nudging-ensemble Kalman filter approach to data assimilation. Part II: application in a shallow-water model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 18485. | 1.7 | 12 |
| 18 | Impacts of Frequent Assimilation of Surface Pressure Observations on Atmospheric Analyses. <i>Monthly Weather Review</i> , 2014, 142, 4477-4483. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Assessment of the Meteorological Impact on Improved PM _{2.5} Air Quality Over North China During 2016–2019 Based on a Regional Joint Atmospheric Composition Reanalysis Data Set. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034382. | 3.3 | 10 |
| 20 | An evaluation and improvement of tropical cyclone prediction in the western North Pacific basin from global ensemble forecasts. <i>Science China Earth Sciences</i> , 2020, 63, 12-26. | 5.2 | 8 |
| 21 | Impact of Assimilating Meteorological Observations on Source Emissions Estimate and Chemical Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089030. | 4.0 | 8 |
| 22 | Integrated Hybrid Data Assimilation for an Ensemble Kalman Filter. <i>Monthly Weather Review</i> , 2021, 149, 4091-4105. | 1.4 | 8 |
| 23 | Multivariate Ensemble Sensitivity Analysis for Super Typhoon Haiyan (2013). <i>Monthly Weather Review</i> , 2019, 147, 3467-3480. | 1.4 | 7 |
| 24 | Adaptive Localization for Satellite Radiance Observations in an Ensemble Kalman Filter. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001693. | 3.8 | 7 |
| 25 | Adaptive Localization for Tropical Cyclones With Satellite Radiances in an Ensemble Kalman Filter. <i>Frontiers in Earth Science</i> , 2020, 8, . | 1.8 | 7 |
| 26 | An Analog Offline EnKF for Paleoclimate Data Assimilation. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, . | 3.8 | 4 |
| 27 | Commentary: On the Efficiency of Covariance Localisation of the Ensemble Kalman Filter Using Augmented Ensembles. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020, 6, . | 1.3 | 1 |