Eugenia Kalnay

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7173914/publications.pdf

Version: 2024-02-01

199 papers	48,436 citations	25423 59 h-index	3595 187 g-index
213 all docs	213 docs citations	213 times ranked	31559 citing authors

#	Article	IF	Citations
1	Forecast sensitivity with dropwindsonde data and targeted observations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 50, 391.	0.8	25
2	Four-dimensional ensemble Kalman filtering. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 56, 273.	0.8	83
3	A local ensemble Kalman filter for atmospheric data assimilation. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 56, 415.	0.8	332
4	Data assimilation in a system with two scalesâ€"combining two initialization techniques. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 61, 539.	0.8	22
5	Observation bias correction with an ensemble Kalman filter. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 61, 210.	0.8	46
6	A simpler formulation of forecast sensitivity to observations: application to ensemble Kalman filters. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18462.	0.8	60
7	Ensemble clustering in deterministic ensemble Kalman filters. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18039.	0.8	7
8	Ensemble-based observation impact estimates using the NCEP GFS. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 20038.	0.8	54
9	Improving the spin-up of regional EnKF for typhoon assimilation and forecasting with Typhoon Sinlaku (2008). Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 20804.	0.8	16
10	Effective assimilation of global precipitation: simulation experiments. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 19915.	0.8	66
11	Impact of assimilation window length on diurnal features in a Mars atmospheric analysis. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 67, 26042.	0.8	10
12	Ensemble singular vectors and their use as additive inflation in EnKF. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 67, 26536.	0.8	12
13	Dynamically weighted hybrid gain data assimilation: perfect model testing. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 72, 1835310.	0.8	3
14	Enhancing data assimilation of GPM observations. , 2022, , 787-804.		0
15	Ensemble Transform Kalman Incremental Smoother and Its Application to Data Assimilation and Prediction. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	0
16	A rapid refresh ensemble based data assimilation and forecast system for the RELAMPAGO field campaign. Atmospheric Research, 2021, , 105858.	1.8	3
17	A Novel Approach to Carrying Capacity: From a priori Prescription to a posteriori Derivation Based on Underlying Mechanisms and Dynamics. Annual Review of Earth and Planetary Sciences, 2020, 48, 657-683.	4.6	6
18	Proactive Quality Control: Observing System Experiments Using the NCEP Global Forecast System. Monthly Weather Review, 2020, 148, 3911-3931.	0.5	4

#	Article	IF	Citations
19	Precipitation Ensemble Data Assimilation in NWP Models. Advances in Global Change Research, 2020, , 983-991.	1.6	1
20	Neural machine-based forecasting of chaotic dynamics. Nonlinear Dynamics, 2019, 98, 2903-2917.	2.7	29
21	Estimating surface carbon fluxes based on a local ensemble transform Kalman filter with a short assimilation window and a long observation window: an observing system simulation experiment test in GEOS-Chem 10.1. Geoscientific Model Development, 2019, 12, 2899-2914.	1.3	14
22	Historical perspective: earlier ensembles and forecasting forecast skill. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 25-34.	1.0	17
23	Local Atmosphereâ€“Ocean Predictability: Dynamical Origins, Lead Times, and Seasonality. Journal of Climate, 2019, 32, 7507-7519.	1.2	19
24	Numerical Weather Prediction Basics: Models, Numerical Methods, and Data Assimilation. , 2019, , 67-97.		14
25	The Ensemble Mars Atmosphere Reanalysis System (EMARS) Version 1.0. Geoscience Data Journal, 2019, 6, 137-150.	1.8	29
26	Ensemble singular vectors as additive inflation in the Local Ensemble Transform Kalman Filter (LETKF) framework with a global NWP model. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 258-272.	1.0	1
27	Proactive Quality Control: Observing System Simulation Experiments with the Lorenz â€™96 Model. Monthly Weather Review, 2019, 147, 53-67.	0.5	10
28	Overview of Weather and Climate Systems. , 2019, , 35-65.		1
29	Estimation of Systematic Errors in the GFS Using Analysis Increments. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1626-1637.	1.2	14
30	Climate model shows large-scale wind and solar farms in the Sahara increase rain and vegetation. Science, 2018, 361, 1019-1022.	6.0	119
31	Accelerating assimilation development for new observing systems using EFSO. Nonlinear Processes in Geophysics, 2018, 25, 129-143.	0.6	11
32	Correlation-Cutoff Method for Covariance Localization in Strongly Coupled Data Assimilation. Monthly Weather Review, 2018, 146, 2881-2889.	0.5	14
33	Overview of Weather and Climate Systems. , 2018, , 1-31.		2
34	Finding the driver of local oceanâ€“atmosphere coupling in reanalyses and CMIP5 climate models. Climate Dynamics, 2017, 48, 2153-2172.	1.7	6
35	Proactive QC: A Fully Flow-Dependent Quality Control Scheme Based on EFSO. Monthly Weather Review, 2017, 145, 3331-3354.	0.5	22
36	EFSR: Ensemble Forecast Sensitivity to Observation Error Covariance. Monthly Weather Review, 2017, 145, 5015-5031.	0.5	10

#	Article	IF	Citations
37	Inconsistent estimates of forest cover change in China between 2000 and 2013 from multiple datasets: differences in parameters, spatial resolution, and definitions. Scientific Reports, 2017, 7, 8748.	1.6	31
38	The pre-Argo ocean reanalyses may be seriously affected by the spatial coverage of moored buoys. Scientific Reports, 2017, 7, 46685.	1.6	14
39	The Challenge of Atmospheric Data Assimilation on Mars. Earth and Space Science, 2017, 4, 690-722.	1.1	27
40	Assimilating the global satellite mapping of precipitation data with the Nonhydrostatic Icosahedral Atmospheric Model (NICAM). Journal of Geophysical Research D: Atmospheres, 2017, 122, 631-650.	1.2	37
41	Role of CO₂, climate and land use in regulating the seasonal amplitude increase of carbon fluxes in terrestrial ecosystems: a multimodel analysis. Biogeosciences, 2016, 13, 5121-5137.	1.3	26
42	The role of spatial scale and background climate in the latitudinal temperature response to deforestation. Earth System Dynamics, 2016, 7, 167-181.	2.7	60
43	A review of global gas flaring and venting and impact on the environment: Case study of Iran. International Journal of Greenhouse Gas Control, 2016, 49, 488-509.	2.3	90
44	S4: An O2R/R2O Infrastructure for Optimizing Satellite Data Utilization in NOAA Numerical Modeling Systems: A Step Toward Bridging the Gap between Research and Operations. Bulletin of the American Meteorological Society, 2016, 97, 2359-2378.	1.7	18
45	Assimilating atmospheric observations into the ocean using strongly coupled ensemble data assimilation. Geophysical Research Letters, 2016, 43, 752-759.	1.5	83
46	Potential and Actual impacts of deforestation and afforestation on land surface temperature. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,372.	1.2	112
47	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. National Science Review, 2016, 3, nww081.	4.6	96
48	A Semi-Implicit Modification to the Lorenz N-Cycle Scheme and Its Application for Integration of Meteorological Equations. Monthly Weather Review, 2016, 144, 2215-2233.	0.5	0
49	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). Climate Dynamics, 2016, 47, 3517-3545.	1.7	39
50	Statistical Properties of Global Precipitation in the NCEP GFS Model and TMPA Observations for Data Assimilation. Monthly Weather Review, 2016, 144, 663-679.	0.5	35
51	Application of the WRF-LETKF Data Assimilation System over Southern South America: Sensitivity to Model Physics. Weather and Forecasting, 2016, 31, 217-236.	0.5	16
52	Assimilation of TRMM Multisatellite Precipitation Analysis with a Low-Resolution NCEP Global Forecast System. Monthly Weather Review, 2016, 144, 643-661.	0.5	51
53	Brief Communication: Breeding vectors in the phase space reconstructed from time series data. Nonlinear Processes in Geophysics, 2016, 23, 137-141.	0.6	1
54	A Hybrid Global Ocean Data Assimilation System at NCEP. Monthly Weather Review, 2015, 143, 4660-4677.	0.5	64

#	Article	IF	Citations
55	Causality Analysis: Identifying the Leading Element in a Coupled Dynamical System. PLoS ONE, 2015, 10, e0131226.	1.1	19
56	Local cooling and warming effects of forests based on satellite observations. Nature Communications, 2015, 6, 6603.	5.8	392
57	Bred vectors of the Lorenz63 system. Advances in Atmospheric Sciences, 2015, 32, 1533-1538.	1.9	4
58	Ensemble transform Kalmanâ€“Bucy filters. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 995-1004.	1.0	22
59	Human and nature dynamics (HANDY): Modeling inequality and use of resources in the collapse or sustainability of societies. Ecological Economics, 2014, 101, 90-102.	2.9	242
60	Agricultural Green Revolution as a driver of increasing atmospheric CO2 seasonal amplitude. Nature, 2014, 515, 394-397.	13.7	152
61	Norway and Cuba Continue Collaborating to Build Capacity to Improve Weather Forecasting. Eos, 2014, 95, 205-205.	0.1	0
62	A further assessment of vegetation feedback on decadal Sahel rainfall variability. Climate Dynamics, 2013, 40, 1453-1466.	1.7	50
63	Estimating and including observation-error correlations in data assimilation. Inverse Problems in Science and Engineering, 2013, 21, 387-398.	1.2	52
64	Identifying Martian atmospheric instabilities and their physical origins using bred vectors. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 639-653.	1.0	22
65	Lyapunov, singular and bred vectors in a multi-scale system: an empirical exploration of vectors related to instabilities. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 254021.	0.7	26
66	The local ensemble transform Kalman filter and the running-in-place algorithm applied to a global ocean general circulation model. Nonlinear Processes in Geophysics, 2013, 20, 1031-1046.	0.6	27
67	Accelerating the EnKF Spinup for Typhoon Assimilation and Prediction. Weather and Forecasting, 2012, 27, 878-897.	0.5	24
68	Handling Nonlinearity in an Ensemble Kalman Filter: Experiments with the Three-Variable Lorenz Model. Monthly Weather Review, 2012, 140, 2628-2646.	0.5	50
69	Simultaneous assimilation of AIRS Xco₂ and meteorological observations in a carbon climate model with an ensemble Kalman filter. Journal of Geophysical Research, 2012, 117, .	3.3	26
70	Estimation of surface carbon fluxes with an advanced data assimilation methodology. Journal of Geophysical Research, 2012, 117, .	3.3	55
71	Ensemble Kalman filter data assimilation of Thermal Emission Spectrometer temperature retrievals into a Mars GCM. Journal of Geophysical Research, 2012, 117, .	3.3	57
72	Estimating the Impact of Real Observations in Regional Numerical Weather Prediction Using an Ensemble Kalman Filter. Monthly Weather Review, 2012, 140, 1975-1987.	0.5	28

#	Article	IF	Citations
73	How sensitive are probabilistic precipitation forecasts to the choice of calibration algorithms and the ensemble generation method? Part II: sensitivity to ensemble generation method. Meteorological Applications, 2012, 19, 314-324.	0.9	3
74	â€œVariable localizationâ€•in an ensemble Kalman filter: Application to the carbon cycle data assimilation. Journal of Geophysical Research, 2011, 116, .	3.3	116
75	CO₂transport uncertainties from the uncertainties in meteorological fields. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	34
76	Sustainable prosperity and societal transitions: Long-term modeling for anticipatory management. Environmental Innovation and Societal Transitions, 2011, 1, 160-165.	2.5	12
77	Balance and Ensemble Kalman Filter Localization Techniques. Monthly Weather Review, 2011, 139, 511-522.	0.5	194
78	The Effects of the RAW Filter on the Climatology and Forecast Skill of the SPEEDY Model. Monthly Weather Review, 2011, 139, 608-619.	0.5	25
79	Evaluation of a Strategy for the Assimilation of Satellite Radiance Observations with the Local Ensemble Transform Kalman Filter. Monthly Weather Review, 2011, 139, 1932-1951.	0.5	26
80	Impacts of land use land cover on temperature trends over the continental United States: assessment using the North American Regional Reanalysis. International Journal of Climatology, 2010, 30, 1980-1993.	1.5	167
81	An ensemble Kalman filter data assimilation system for the martian atmosphere: Implementation and simulation experiments. Icarus, 2010, 209, 470-481.	1.1	33
82	Accelerating the spinâ€up of Ensemble Kalman Filtering. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1644-1651.	1.0	79
83	Correction of â€˜Estimating observation impact without adjoint model in an ensemble Kalman filterâ€™. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1652-1654.	1.0	18
84	Ensemble Kalman Filter: Current Status and Potential. , 2010, , 69-92.		14
85	Comparison of Methods Used to Generate Probabilistic Quantitative Precipitation Forecasts over South America. Weather and Forecasting, 2009, 24, 319-336.	0.5	14
86	Accounting for Model Errors in Ensemble Data Assimilation. Monthly Weather Review, 2009, 137, 3407-3419.	0.5	68
87	Application of Coupled Bred Vectors to Seasonal-to-Interannual Forecasting and Ocean Data Assimilation. Journal of Climate, 2009, 22, 2850-2870.	1.2	31
88	Comparison of Local Ensemble Transform Kalman Filter, 3DVAR, and 4DVAR in a Quasigeostrophic Model. Monthly Weather Review, 2009, 137, 693-709.	0.5	51
89	Univariate and Multivariate Assimilation of AIRS Humidity Retrievals with the Local Ensemble Transform Kalman Filter. Monthly Weather Review, 2009, 137, 3918-3932.	0.5	9
90	Weight interpolation for efficient data assimilation with the Local Ensemble Transform Kalman Filter. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 251-262.	1.0	56

#	Article	IF	Citations
91	Simultaneous estimation of covariance inflation and observation errors within an ensemble Kalman filter. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 523-533.	1.0	222
92	Analysis sensitivity calculation in an ensemble Kalman filter. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1842-1851.	1.0	27
93	Use of breeding to detect and explain instabilities in the global ocean. Geophysical Research Letters, 2009, 36, .	1.5	16
94	Estimating observation impact without adjoint model in an ensemble Kalman filter. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1327-1335.	1.0	83
95	A local ensemble transform Kalman filter data assimilation system for the NCEP global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 113-130.	0.8	146
96	Impact of land use and precipitation changes on surface temperature trends in Argentina. Journal of Geophysical Research, 2008, 113, .	3.3	66
97	Dynamical prediction of terrestrial ecosystems and the global carbon cycle: A 25â€year hindcast experiment. Global Biogeochemical Cycles, 2008, 22, .	1.9	10
98	The smoke episode in Buenos Aires, 15â€“20 April 2008. Geophysical Research Letters, 2008, 35, .	1.5	6
99	Impact of online empirical model correction on nonlinear error growth. Geophysical Research Letters, 2008, 35, .	1.5	17
100	Impact of Vegetation Types on Surface Temperature Change. Journal of Applied Meteorology and Climatology, 2008, 47, 411-424.	0.6	48
101	Using Singular Value Decomposition to Parameterize State-Dependent Model Errors. Journals of the Atmospheric Sciences, 2008, 65, 1467-1478.	0.6	28
102	Bred Vectors and Tropical Pacific Forecast Errors in the NASA Coupled General Circulation Model. Monthly Weather Review, 2008, 136, 1305-1326.	0.5	22
103	Comparison between Local Ensemble Transform Kalman Filter and PSAS in the NASA finite volume GCM â€“ perfect model experiments. Nonlinear Processes in Geophysics, 2008, 15, 645-659.	0.6	14
104	Assessing Predictability with a Local Ensemble Kalman Filter. Journals of the Atmospheric Sciences, 2007, 64, 1116-1140.	0.6	18
105	50th Anniversary of Operational Numerical Weather Prediction. Bulletin of the American Meteorological Society, 2007, 88, 639-650.	1.7	39
106	Estimating and Correcting Global Weather Model Error. Monthly Weather Review, 2007, 135, 281-299.	0.5	82
107	Simple Doppler Wind Lidar adaptive observation experiments with 3Dâ€Var and an ensemble Kalman filter in a global primitive equations model. Geophysical Research Letters, 2007, 34, .	1.5	5
108	An implementation of the Local Ensemble Kalman Filter in a quasi geostrophic model and comparison with 3D-Var. Nonlinear Processes in Geophysics, 2007, 14, 89-101.	0.6	17

#	Article	IF	Citations
109	4-D-Var or ensemble Kalman filter?. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 758-773.	0.8	198
110	Response to the discussion on â€œ4-D-Var or EnKF?â€•by Nils Gustafsson. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 778-780.	0.8	21
111	4-D-Var or ensemble Kalman filter?. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, , .	0.8	5
112	Response to the discussion on Ã¢â‚¬Å“4-D-Var or EnKF?Ã¢â‚¬Â•by Nils Gustafsson. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, , .	0.8	0
113	Estimation of the impact of land-surface forcings on temperature trends in eastern United States. Journal of Geophysical Research, 2006, 111, .	3.3	75
114	Ensemble forecasting and data assimilation: two problems with the same solution?. , 2006, , 157-180.		14
115	MOS, Perfect Prog, and Reanalysis. Monthly Weather Review, 2006, 134, 657-663.	0.5	36
116	Data Assimilation as Synchronization of Truth and Model: Experiments with the Three-Variable Lorenz System*. Journals of the Atmospheric Sciences, 2006, 63, 2340-2354.	0.6	72
117	ENSO Bred Vectors in Coupled Oceanâ€“Atmosphere General Circulation Models. Journal of Climate, 2006, 19, 1422-1436.	1.2	43
118	Local ensemble Kalman filtering in the presence of model bias. Tellus, Series A: Dynamic Meteorology and Oceanography, 2006, 58, 293-306.	0.8	75
119	AIRS. Bulletin of the American Meteorological Society, 2006, 87, 911-926.	1.7	595
120	North American Regional Reanalysis. Bulletin of the American Meteorological Society, 2006, 87, 343-360.	1.7	2,864
121	Can Reanalysis Have Anthropogenic Climate Trends without Model Forcing?. Journal of Climate, 2005, 18, 1844-1849.	1.2	29
122	Assessing a local ensemble Kalman filter: perfect model experiments with the National Centers for Environmental Prediction global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 528-545.	0.8	48
123	Assessing a local ensemble Kalman filter: perfect model experiments with the National Centers for Environmental Prediction global model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 528-545.	0.8	50
124	Convex Error Growth Patterns in a Global Weather Model. Physical Review Letters, 2005, 94, 228501.	2.9	24
125	Observational evidence of sensitivity of surface climate changes to land types and urbanization. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	112
126	Separating fast and slow modes in coupled chaotic systems. Nonlinear Processes in Geophysics, 2004, 11, 319-327.	0.6	71

#	Article	IF	Citations
127	Four-dimensional ensemble Kalman filtering. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 273-277.	0.8	129
128	A local ensemble Kalman filter for atmospheric data assimilation. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 415-428.	0.8	366
129	Impact of land-use change on climate. Nature, 2004, 427, 214-214.	13.7	27
130	Estimating the state of large spatio-temporally chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 365-370.	0.9	9
131	Inverse three-dimensional variational data assimilation for an advection-diffusion problem: Impact of diffusion and hybrid application. Geophysical Research Letters, 2004, 31, .	1.5	4
132	Life Span of Subseasonal Coupled Anomalies. Journal of Climate, 2004, 17, 1597-1604.	1.2	7
133	The Need for a National Data Assimilation Education Program. Bulletin of the American Meteorological Society, 2004, 85, 48-49.	1.7	0
134	RISE: Undergraduates Find That Regime Changes in Lorenz's Model are Predictable. Bulletin of the American Meteorological Society, 2004, 85, 520-524.	1.7	48
135	Historical Overview of Numerical Weather Prediction. , 2004, , 95-115.		1
136	Changes in Global Monsoon Circulations Since 1950. Natural Hazards, 2003, 29, 229-254.	1.6	65
137	Impact of urbanization and land-use change on climate. Nature, 2003, 423, 528-531.	13.7	1,878
138	AIRS/AMSU/HSB on the aqua mission: design, science objectives, data products, and processing systems. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 253-264.	2.7	1,271
139	Statistics of locally coupled ocean and atmosphere intraseasonal anomalies in Reanalysis and AMIP data. Nonlinear Processes in Geophysics, 2003, 10, 245-251.	0.6	31
140	Use of the breeding technique to estimate the structure of the analysis "errors of the day". Nonlinear Processes in Geophysics, 2003, 10, 233-243.	0.6	79
141	Bred Vectors of the Zebiakâ€“Cane Model and Their Potential Application to ENSO Predictions. Journal of Climate, 2003, 16, 40-56.	1.2	72
142	The USWRP Workshop on the Weather Research Needs of the Private Sector. Bulletin of the American Meteorological Society, 2003, 84, 934-934.	1.7	10
143	The 1998 Oklahomaâ€“Texas Drought: Mechanistic Experiments with NCEP Global and Regional Models. Journal of Climate, 2002, 15, 945-963.	1.2	45
144	Objective Verification of the SAMEX â€™98 Ensemble Forecasts. Monthly Weather Review, 2001, 129, 73-91.	0.5	173

#	Article	IF	Citations
145	The NCEPâ€“NCAR 50â€“Year Reanalysis: Monthly Means CDâ€“ROM and Documentation. Bulletin of the American Meteorological Society, 2001, 82, 247-267.	1.7	3,710
146	Local Low Dimensionality of Atmospheric Dynamics. Physical Review Letters, 2001, 86, 5878-5881.	2.9	155
147	A New Method of Observed Rainfall Assimilation in Forecast Models. Journal of Applied Meteorology and Climatology, 2000, 39, 1282-1298.	1.7	39
148	Application of the Quasi-Inverse Method to Data Assimilation. Monthly Weather Review, 2000, 128, 864-875.	0.5	42
149	Role of sea surface temperature and soil-moisture feedback in the 1998 Oklahomaâ€“Texas drought. Nature, 2000, 408, 842-844.	13.7	164
150	Dynamical Seasonal Prediction. Bulletin of the American Meteorological Society, 2000, 81, 2593-2606.	1.7	270
151	Comments on: â€œNotes on the appropriateness of â€˜bred modesâ€™ for generating initial perturbationsâ€• Tellus, Series A: Dynamic Meteorology and Oceanography, 1999, 51, 442-449.	0.8	22
152	Targeting observations with the quasi-inverse linear and adjoint NCEP global models: Performance during FASTEX. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 3329-3337.	1.0	46
153	Comments on: "Notes on the appropriateness of 'bred modes' for generating initial perturbations". Tellus, Series A: Dynamic Meteorology and Oceanography, 1999, 51, 442-449.	0.8	1
154	Forecast sensitivity with dropwindsonde data and targeted observations. Tellus, Series A: Dynamic Meteorology and Oceanography, 1998, 50, 391-410.	0.8	3
155	Maturity of Operational Numerical Weather Prediction: Medium Range. Bulletin of the American Meteorological Society, 1998, 79, 2753-2769.	1.7	89
156	Ensemble Forecasting at NCEP and the Breeding Method. Monthly Weather Review, 1997, 125, 3297-3319.	0.5	893
157	A Synoptic Evaluation of the NCEP Ensemble. Weather and Forecasting, 1997, 12, 140-153.	0.5	94
158	The Use of Bred Vectors in the NCEP Global 3D Variational Analysis System. Weather and Forecasting, 1997, 12, 689-695.	0.5	24
159	Sensitivity of Forecast Errors to Initial Conditions with a Quasi-Inverse Linear Method. Monthly Weather Review, 1997, 125, 2479-2503.	0.5	65
160	A comparison of Lyapunov and optimal vectors in a low-resolution GCM. Tellus, Series A: Dynamic Meteorology and Oceanography, 1997, 49, 200-227.	0.8	58
161	Using forecast sensitivity patterns to improve future forecast skill. Quarterly Journal of the Royal Meteorological Society, 1997, 123, 1035-1053.	1.0	12
162	A comparison of Lyapunov and optimal vectors in a low-resolution GCM. Tellus, Series A: Dynamic Meteorology and Oceanography, 1997, 49, 200-227.	0.8	15

#	Article	IF	Citations
163	The NCEP/NCAR 40-Year Reanalysis Project. Bulletin of the American Meteorological Society, 1996, 77, 437-471.	1.7	25,043
164	Impact of Satellite Data an the CDAS-Reanalysis System. Monthly Weather Review, 1995, 123, 124-139.	0.5	55
165	Three Years of Operational Prediction of Forecast Skill at NMC. Monthly Weather Review, 1995, 123, 2132-2148.	0.5	43
166	Numerical Weather Prediction. Computers in Physics, 1995, 9, 488.	0.6	1
167	Random Error Growth in NMC's Global Forecasts. Monthly Weather Review, 1994, 122, 1281-1305.	0.5	100
168	Ensemble Forecasting at NMC: The Generation of Perturbations. Bulletin of the American Meteorological Society, 1993, 74, 2317-2330.	1.7	1,003
169	Operational Ensemble Prediction at the National Meteorological Center: Practical Aspects. Weather and Forecasting, 1993, 8, 379-398.	0.5	293
170	The Skill of Precipitation and Surface Temperature Forecasts by the NMC Global Model during DERF II. Monthly Weather Review, 1993, 121, 805-814.	0.5	5
171	Incremental Nonlinear Normal-Mode Initialization. Monthly Weather Review, 1992, 120, 1723-1734.	0.5	38
172	U. S. Operational Numerical Weather Prediction. Reviews of Geophysics, 1991, 29, 104-114.	9.0	4
173	Summary of the NMC/NCAR Reanalysis Workshop of April 1991. Bulletin of the American Meteorological Society, 1991, 72, 1897-1904.	1.7	41
174	Impact of Sea Surface Temperature Anomalies on the Skill of Monthly Forecasts. Monthly Weather Review, 1991, 119, 2771-2793.	0.5	15
175	A GCM Study of the 1988 United States Drought. Monthly Weather Review, 1991, 119, 1512-1532.	0.5	36
176	Annual Cycle Integration of the NMC Medium-Range Forecasting (MRF) Model. Monthly Weather Review, 1990, 118, 2543-2567.	0.5	4
177	Global Numerical Weather Prediction at the National Meteorological Center. Bulletin of the American Meteorological Society, 1990, 71, 1410-1428.	1.7	254
178	Rules for Interchange of Physical Parameterizations. Bulletin of the American Meteorological Society, 1989, 70, 620-622.	1.7	22
179	Dynamical Extended Range Forecasting (DERF) at the National Meteorological Center. Monthly Weather Review, 1989, 117, 1604-1635.	0.5	76
180	Time Schemes for Strongly Nonlinear Damping Equations. Monthly Weather Review, 1988, 116, 1945-1958.	0.5	54

#	Article	IF	Citations
181	Medium Range Lagged Average Forecasts. Monthly Weather Review, 1988, 116, 402-416.	0.5	64
182	A GCM Study on the Maintenance of the June 1982 Blocking in the Southern Hemisphere. Journals of the Atmospheric Sciences, 1987, 44, 1123-1142.	0.6	25
183	Forecasting Forecast Skill. Monthly Weather Review, 1987, 115, 349-356.	0.5	91
184	Global surface wind and flux fields from model assimilation of Seasat data. Journal of Geophysical Research, 1987, 92, 6477-6487.	3.3	28
185	Error growth and predictability in operational ECMWF forecasts. Tellus, Series A: Dynamic Meteorology and Oceanography, 1987, 39, 474-491.	0.8	79
186	Error growth and predictability in operational ECMWF forecasts. Tellus, Series A: Dynamic Meteorology and Oceanography, 1987, 39A, 474-491.	0.8	105
187	Impact of satelliteâ€based data on fgge general circulation statistics. Quarterly Journal of the Royal Meteorological Society, 1987, 113, 255-277.	1.0	1
188	Global analysis of ocean surface wind and wind stress using a general circulation model and Seasat scatterometer winds. Journal of Geophysical Research, 1986, 91, 2233-2240.	3.3	3
189	Mechanistic Experiments to Determine the Origin of Short-Scale Southern Hemisphere Stationary Rossby Waves. Advances in Geophysics, 1986, , 415-442.	1.1	3
190	Large-Amplitude, Short-Scale Stationary Rossby Waves in the Southern Hemisphere: Observations and Mechanistic Experiments to Determine their Origin. Journals of the Atmospheric Sciences, 1986, 43, 252-275.	0.6	66
191	Impact Of Satellite Temperature Sounding And Wind Data On Numerical Weather Prediction. Optical Engineering, 1985, 24, 242341.	0.5	28
192	On Fofonoff's mode. Geophysical and Astrophysical Fluid Dynamics, 1985, 32, 175-196.	0.4	6
193	GLAS Globak Analysis of Ocean Surface Wind and Wind Stress Using SEASAT Scatterometer Winds. , 1984, , .		0
194	Largeâ€scale analysis and forecast experiments with wind data from the Seasat A scatterometer. Journal of Geophysical Research, 1984, 89, 4927-4936.	3.3	31
195	Lagged average forecasting, an alternative to Monte Carlo forecasting. Tellus, Series A: Dynamic Meteorology and Oceanography, 1983, 35A, 100-118.	0.8	184
196	A Model to Determine Open or Closed Cellular Convection. Journals of the Atmospheric Sciences, 1983, 40, 631-650.	0.6	28
197	A Stochastic-Dynamic Model for the Spatial Structure of Forecast Error Statistics. Monthly Weather Review, 1983, 111, 701-722.	0.5	83
198	An Assessment of the FGGE Satellite Observing System during SOP-1. Bulletin of the American Meteorological Society, 1982, 63, 407-426.	1.7	59

#	Article	IF	Citations
199	On the use of nonuniform grids in finite-difference equations. Journal of Computational Physics, 1972, 10, 202-210.	1.9	141