

Geir Evensen

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38
papers

10,115
citations

22
h-index

39
g-index

39
ext. papers

11,534
ext. citations

2.7
avg, IF

7.04
L-index

#	Paper	IF	Citations
38	Sequential data assimilation with a nonlinear quasi-geostrophic model using Monte Carlo methods to forecast error statistics. <i>Journal of Geophysical Research</i> , 1994 , 99, 10143		3033
37	The Ensemble Kalman Filter: theoretical formulation and practical implementation. <i>Ocean Dynamics</i> , 2003 , 53, 343-367	2.3	2546
36	Analysis Scheme in the Ensemble Kalman Filter. <i>Monthly Weather Review</i> , 1998 , 126, 1719-1724	2.4	1261
35	Data Assimilation 2009 ,		504
34	An Ensemble Kalman Smoother for Nonlinear Dynamics. <i>Monthly Weather Review</i> , 2000 , 128, 1852-1867	2.4	349
33	Sampling strategies and square root analysis schemes for the EnKF. <i>Ocean Dynamics</i> , 2004 , 54, 539-560	2.3	345
32	The ensemble Kalman filter for combined state and parameter estimation. <i>IEEE Control Systems</i> , 2009 , 29, 83-104	2.9	306
31	Data Assimilation and Inverse Methods in Terms of a Probabilistic Formulation. <i>Monthly Weather Review</i> , 1996 , 124, 2898-2913	2.4	291
30	Assimilation of Geosat Altimeter Data for the Agulhas Current Using the Ensemble Kalman Filter with a Quasigeostrophic Model. <i>Monthly Weather Review</i> , 1996 , 124, 85-96	2.4	231
29	Sequential Data Assimilation Techniques in Oceanography. <i>International Statistical Review</i> , 2003 , 71, 223-241	1.4	190
28	Advanced Data Assimilation for Strongly Nonlinear Dynamics. <i>Monthly Weather Review</i> , 1997 , 125, 1342-1354	2.54	174
27	Data assimilation in the geosciences: An overview of methods, issues, and perspectives. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2018 , 9, e535	8.4	154
26	Incorporating 4D Seismic Data in Reservoir Simulation Models Using Ensemble Kalman Filter. <i>SPE Journal</i> , 2007 , 12, 282-292	3.1	153
25	Inverse methods and data assimilation in nonlinear ocean models. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 77, 108-129	3.3	99
24	Analysis of iterative ensemble smoothers for solving inverse problems. <i>Computational Geosciences</i> , 2018 , 22, 885-908	2.7	79
23	History Matching Using the Ensemble Kalman Filter on a North Sea Field Case. <i>SPE Journal</i> , 2008 , 13, 382-391	3.1	63
22	An Ensemble Kalman filter with a 1-D marine ecosystem model. <i>Journal of Marine Systems</i> , 2002 , 36, 75-109		59

21	Horizontal and Vertical Structure of the Representer Functions for Sea Surface Measurements in a Coastal Circulation Model. <i>Journal of Physical Oceanography</i> , 2000 , 30, 2627-2635	2.4	36
20	Satellite earth observation in operational oceanography. <i>Coastal Engineering</i> , 2000 , 41, 155-176	4.8	26
19	A hybrid coordinate ocean model for shelf sea simulation. <i>Ocean Modelling</i> , 2006 , 13, 221-237	3	24
18	Parameter estimation solving a weak constraint variational formulation for an Ekman model. <i>Journal of Geophysical Research</i> , 1997 , 102, 12479-12491		22
17	Efficiency of high order numerical schemes for momentum advection. <i>Journal of Marine Systems</i> , 2007 , 67, 31-46	2.7	22
16	Solving for the Generalized Inverse of the Lorenz Model (gtSpecial Issue>Data Assimilation in Meteorology and Oceanography: Theory and Practice). <i>Journal of the Meteorological Society of Japan</i> , 1997 , 75, 229-243	2.8	21
15	Application of ensemble-based techniques in fish stock assessment. <i>Sarsia</i> , 2001 , 86, 517-526		17
14	Efficient Implementation of an Iterative Ensemble Smoother for Data Assimilation and Reservoir History Matching. <i>Frontiers in Applied Mathematics and Statistics</i> , 2019 , 5,	2.2	16
13	Accounting for model errors in iterative ensemble smoothers. <i>Computational Geosciences</i> , 2019 , 23, 761-775	2.7	16
12	Reservoir Management Under Geological Uncertainty Using Fast Model Update 2015 ,		15
11	Correlation-Based Adaptive Localization for Ensemble-Based History Matching: Applied To the Norne Field Case Study. <i>SPE Reservoir Evaluation and Engineering</i> , 2019 , 22, 1084-1109	2.3	14
10	Conditioning reservoir models on rate data using ensemble smoothers. <i>Computational Geosciences</i> , 2018 , 22, 1251-1270	2.7	13
9	Revising the stochastic iterative ensemble smoother. <i>Nonlinear Processes in Geophysics</i> , 2019 , 26, 325-338	2.9	12
8	Mesoscale modeling study of the oceanographic conditions off the southwest coast of India. <i>Journal of Earth System Science</i> , 2002 , 111, 321-337	1.8	9
7	An international assessment of the COVID-19 pandemic using ensemble data assimilation		5
6	Handling Big Models and Big Data Sets in History-Matching Problems through an Adaptive Local Analysis Scheme. <i>SPE Journal</i> , 2021 , 26, 973-992	3.1	5
5	Revising the stochastic iterative ensemble smoother		2
4	An international initiative of predicting the SARS-CoV-2 pandemic using ensemble data assimilation 2021 , 3, 413		2

- 3 Formulating the history matching problem with consistent error statistics. *Computational Geosciences*, **2021**, 25, 945-970 2.7 1
- 2 Subspace Ensemble Randomized Maximum Likelihood with Local Analysis for Time-Lapse-Seismic-Data Assimilation. *SPE Journal*, **2021**, 26, 1011-1031 3.1 0
- 1 A study of disproportionately affected populations by race/ethnicity during the SARS-CoV-2 pandemic using multi-population SEIR modeling and ensemble data assimilation **2021**, 3, 479