

# Geir Evensen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Handling Big Models and Big Data Sets in History-Matching Problems through an Adaptive Local Analysis Scheme. <i>SPE Journal</i> , <b>2021</b> , 26, 973-992	3.1	5
37	An international initiative of predicting the SARS-CoV-2 pandemic using ensemble data assimilation <b>2021</b> , 3, 413		2
36	A study of disproportionately affected populations by race/ethnicity during the SARS-CoV-2 pandemic using multi-population SEIR modeling and ensemble data assimilation <b>2021</b> , 3, 479		
35	Subspace Ensemble Randomized Maximum Likelihood with Local Analysis for Time-Lapse-Seismic-Data Assimilation. <i>SPE Journal</i> , <b>2021</b> , 26, 1011-1031	3.1	0
34	Formulating the history matching problem with consistent error statistics. <i>Computational Geosciences</i> , <b>2021</b> , 25, 945-970	2.7	1
33	Efficient Implementation of an Iterative Ensemble Smoother for Data Assimilation and Reservoir History Matching. <i>Frontiers in Applied Mathematics and Statistics</i> , <b>2019</b> , 5,	2.2	16
32	Accounting for model errors in iterative ensemble smoothers. <i>Computational Geosciences</i> , <b>2019</b> , 23, 761-775	2.7	16
31	Revising the stochastic iterative ensemble smoother. <i>Nonlinear Processes in Geophysics</i> , <b>2019</b> , 26, 325-338	2.9	12
30	Correlation-Based Adaptive Localization for Ensemble-Based History Matching: Applied To the Norne Field Case Study. <i>SPE Reservoir Evaluation and Engineering</i> , <b>2019</b> , 22, 1084-1109	2.3	14
29	Analysis of iterative ensemble smoothers for solving inverse problems. <i>Computational Geosciences</i> , <b>2018</b> , 22, 885-908	2.7	79
28	Conditioning reservoir models on rate data using ensemble smoothers. <i>Computational Geosciences</i> , <b>2018</b> , 22, 1251-1270	2.7	13
27	Data assimilation in the geosciences: An overview of methods, issues, and perspectives. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2018</b> , 9, e535	8.4	154
26	Reservoir Management Under Geological Uncertainty Using Fast Model Update <b>2015</b> ,		15
25	The ensemble Kalman filter for combined state and parameter estimation. <i>IEEE Control Systems</i> , <b>2009</b> , 29, 83-104	2.9	306
24	Data Assimilation <b>2009</b> ,		504
23	History Matching Using the Ensemble Kalman Filter on a North Sea Field Case. <i>SPE Journal</i> , <b>2008</b> , 13, 382-391	3.1	63
22	Efficiency of high order numerical schemes for momentum advection. <i>Journal of Marine Systems</i> , <b>2007</b> , 67, 31-46	2.7	22

21	Incorporating 4D Seismic Data in Reservoir Simulation Models Using Ensemble Kalman Filter. <i>SPE Journal</i> , <b>2007</b> , 12, 282-292	3.1	153
20	A hybrid coordinate ocean model for shelf sea simulation. <i>Ocean Modelling</i> , <b>2006</b> , 13, 221-237	3	24
19	Sampling strategies and square root analysis schemes for the EnKF. <i>Ocean Dynamics</i> , <b>2004</b> , 54, 539-560	2.3	345
18	The Ensemble Kalman Filter: theoretical formulation and practical implementation. <i>Ocean Dynamics</i> , <b>2003</b> , 53, 343-367	2.3	2546
17	Sequential Data Assimilation Techniques in Oceanography. <i>International Statistical Review</i> , <b>2003</b> , 71, 223-241	1.4	190
16	An Ensemble Kalman filter with a 1-D marine ecosystem model. <i>Journal of Marine Systems</i> , <b>2002</b> , 36, 75-100	100	59
15	Mesoscale modeling study of the oceanographic conditions off the southwest coast of India. <i>Journal of Earth System Science</i> , <b>2002</b> , 111, 321-337	1.8	9
14	Application of ensemble-based techniques in fish stock assessment. <i>Sarsia</i> , <b>2001</b> , 86, 517-526		17
13	Horizontal and Vertical Structure of the Representor Functions for Sea Surface Measurements in a Coastal Circulation Model. <i>Journal of Physical Oceanography</i> , <b>2000</b> , 30, 2627-2635	2.4	36
12	Satellite earth observation in operational oceanography. <i>Coastal Engineering</i> , <b>2000</b> , 41, 155-176	4.8	26
11	An Ensemble Kalman Smoother for Nonlinear Dynamics. <i>Monthly Weather Review</i> , <b>2000</b> , 128, 1852-1867	2.4	349
10	Analysis Scheme in the Ensemble Kalman Filter. <i>Monthly Weather Review</i> , <b>1998</b> , 126, 1719-1724	2.4	1261
9	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> , <b>1997</b> , 75, 229-243	2.8	21
8	Advanced Data Assimilation for Strongly Nonlinear Dynamics. <i>Monthly Weather Review</i> , <b>1997</b> , 125, 1342-1354	1354	174
7	Parameter estimation solving a weak constraint variational formulation for an Ekman model. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 12479-12491		22
6	Assimilation of Geosat Altimeter Data for the Agulhas Current Using the Ensemble Kalman Filter with a Quasigeostrophic Model. <i>Monthly Weather Review</i> , <b>1996</b> , 124, 85-96	2.4	231
5	Data Assimilation and Inverse Methods in Terms of a Probabilistic Formulation. <i>Monthly Weather Review</i> , <b>1996</b> , 124, 2898-2913	2.4	291
4	Inverse methods and data assimilation in nonlinear ocean models. <i>Physica D: Nonlinear Phenomena</i> , <b>1994</b> , 77, 108-129	3.3	99

- 3 Sequential data assimilation with a nonlinear quasi-geostrophic model using Monte Carlo methods to forecast error statistics. *Journal of Geophysical Research*, **1994**, 99, 10143 3033
- 2 Revising the stochastic iterative ensemble smoother 2
- 1 An international assessment of the COVID-19 pandemic using ensemble data assimilation 5