

Boujemaa Ait-El-Fquih

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

469
citations

840776

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28
docs citations

28
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating modelâ€™error covariances in nonlinear stateâ€™space models using Kalman smoothing and the expectationâ€™maximization algorithm. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1877-1885.	2.7	50
2	An iterative ensemble Kalman filter with one-step-ahead smoothing for state-parameters estimation of contaminant transport models. Journal of Hydrology, 2015, 527, 442-457.	5.4	49
3	A two-update ensemble Kalman filter for land hydrological data assimilation with an uncertain constraint. Journal of Hydrology, 2017, 555, 447-462.	5.4	41
4	A Variational Bayesian Multiple Particle Filtering Scheme for Large-Dimensional Systems. IEEE Transactions on Signal Processing, 2016, 64, 5409-5422.	5.3	34
5	A Bayesian consistent dual ensemble Kalman filter for state-parameter estimation in subsurface hydrology. Hydrology and Earth System Sciences, 2016, 20, 3289-3307.	4.9	32
6	Kalman Filtering in Triplet Markov Chains. IEEE Transactions on Signal Processing, 2006, 54, 2957-2963.	5.3	31
7	Fast Kalman-Like Filtering for Large-Dimensional Linear and Gaussian State-Space Models. IEEE Transactions on Signal Processing, 2015, 63, 5853-5867.	5.3	29
8	Enhanced flood forecasting through ensemble data assimilation and joint state-parameter estimation. Journal of Hydrology, 2019, 577, 123924.	5.4	24
9	Efficient Kernel-Based Ensemble Gaussian Mixture Filtering. Monthly Weather Review, 2016, 144, 781-800.	1.4	23
10	Unsupervised ensemble Kalman filtering with an uncertain constraint for land hydrological data assimilation. Journal of Hydrology, 2018, 564, 175-190.	5.4	23
11	Direct, prediction- and smoothing-based Kalman and particle filter algorithms. Signal Processing, 2011, 91, 2064-2077.	3.7	21
12	Data Assimilation in Oceanography: Current Status and New Directions. , 0, , .		17
13	Calibrating land hydrological models and enhancing their forecasting skills using an ensemble Kalman filter with one-step-ahead smoothing. Journal of Hydrology, 2020, 584, 124708.	5.4	13
14	Ensemble Kalman Filtering with One-Step-Ahead Smoothing. Monthly Weather Review, 2018, 146, 561-581.	1.4	11
15	Parametric Bayesian estimation of point-like pollution sources of groundwater layers. Signal Processing, 2020, 168, 107339.	3.7	10
16	Variational Bayesian Kalman filtering in dynamical tomography. , 2011, , .		9
17	An Efficient Stateâ€™Parameter Filtering Scheme Combining Ensemble Kalman and Particle Filters. Monthly Weather Review, 2018, 146, 871-887.	1.4	9
18	Fixed-Interval Kalman Smoothing Algorithms in Singular Stateâ€™Space Systems. Journal of Signal Processing Systems, 2011, 65, 469-478.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Combining Hybrid and One-Step-Ahead Smoothing for Efficient Short-Range Storm Surge Forecasting with an Ensemble Kalman Filter. <i>Monthly Weather Review</i> , 2019, 147, 3283-3300.	1.4	6
20	A reduced-order variational Bayesian approach for efficient subsurface imaging. <i>Geophysical Journal International</i> , 2022, 229, 838-852.	2.4	6
21	An efficient multiple particle filter based on the variational Bayesian approach. , 2015, , .		5
22	Bayesian identification of oil spill source parameters from image contours. <i>Marine Pollution Bulletin</i> , 2021, 169, 112514.	5.0	5
23	A particleâ€filter based adaptive inflation scheme for the ensemble Kalman filter. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 922-937.	2.7	4
24	Backward hidden Markov chain for outlier-robust filtering and fixed-interval smoothing. , 2013, , .		2
25	Enhancing ensemble data assimilation into oneâ€wayâ€coupled models with oneâ€stepâ€ahead smoothing. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 249-272.	2.7	2
26	Ensemble Kalman filtering with coloured observation noise. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 4408-4424.	2.7	2
27	Filtering with One-Step-Ahead Smoothing for Efficient Data Assimilation. , 2022, , 69-96.		2
28	A Variational Bayesian Estimation Scheme For Parametric Point-Like Pollution Source of Groundwater Layers. , 2018, , .		1