Filip Tronarp

List of Publications by Year
in descending order

21 papers	165 citations	1306789 7 h-index	1199166 12 g-index
21 all docs	21 docs citations	21 times ranked	117 citing authors

#	Article	IF	Citations
1	Iterative Filtering and Smoothing in Nonlinear and Non-Gaussian Systems Using Conditional Moments. IEEE Signal Processing Letters, 2018, 25, 408-412.	2.1	46
2	Probabilistic solutions to ordinary differential equations as nonlinear Bayesian filtering: a new perspective. Statistics and Computing, 2019, 29, 1297-1315.	0.8	21
3	Gaussian Target Tracking With Direction-of-Arrival von Misesâ€“Fisher Measurements. IEEE Transactions on Signal Processing, 2019, 67, 2960-2972.	3.2	12
4	Student's <inline-formula> <tex-math notation="LaTeX">t</tex-math> </inline-formula>-Filters for Noise Scale Estimation. IEEE Signal Processing Letters, 2019, 26, 352-356.	2.1	12
5	Iterated Extended Kalman Smoother-Based Variable Splitting for L_1-Regularized State Estimation. IEEE Transactions on Signal Processing, 2019, 67, 5078-5092.	3.2	11
6	Bayesian ODE solvers: the maximum a posteriori estimate. Statistics and Computing, 2021, 31, 1.	0.8	11
7	Maximum Likelihood Estimation and Uncertainty Quantification for Gaussian Process Approximation of Deterministic Functions. SIAM-ASA Journal on Uncertainty Quantification, 2020, 8, 926-958.	1.1	10
8	Gaussian Process Classification Using Posterior Linearization. IEEE Signal Processing Letters, 2019, 26, 735-739.	2.1	5
9	Importance Densities for Particle Filtering Using Iterated Conditional Expectations. IEEE Signal Processing Letters, 2020, 27, 211-215.	2.1	5
10	Student-t process quadratures for filtering of non-linear systems with heavy-tailed noise. , 2017, , .		4
11	Combined Analysis-L1 and Total Variation ADMM with Applications to MEG Brain Imaging and Signal Reconstruction. , 2018, , .		4
12	Continuous-Discrete von Mises-Fisher Filtering on S² for Reference Vector Tracking. , 2018, , .		4
13	Iterative statistical linear regression for Gaussian smoothing in continuous-time non-linear stochastic dynamic systems. Signal Processing, 2019, 159, 1-12.	2.1	4
14	Regularized State Estimation And Parameter Learning Via Augmented Lagrangian Kalman Smoother Method. , 2019, , .		3
15	State-Space Gaussian Process for Drift Estimation in Stochastic Differential Equations. , 2020, , .		3
16	Modeling the Drift Function in Stochastic Differential Equations using Reduced Rank Gaussian Processes. IFAC-PapersOnLine, 2018, 51, 778-783.	0.5	2
17	MIXTURE REPRESENTATION OF THE MATÃ‰RN CLASS WITH APPLICATIONS IN STATE SPACE APPROXIMATIONS AND BAYESIAN QUADRATURE. , 2018, , .		2
18	Updates in Bayesian Filtering by Continuous Projections on a Manifold of Densities. , 2019, , .		2

#	Article	IF	Citations
19	Asymptotics of Maximum Likelihood Parameter Estimates For Gaussian Processes: The Ornsteinâ€“Uhlenbeck Prior. , 2019, , .		2
20	Variable Splitting Methods for Constrained State Estimation in Partially Observed Markov Processes. IEEE Signal Processing Letters, 2020, 27, 1305-1309.	2.1	2
21	Non-Linear Continuous-Discrete Smoothing by Basis Function Expansions of Brownian Motion. , 2018, , .		0