Toni Karvonen

List of Publications by Year
in descending order

19 papers	104 citations	6 h-index	9 g-index
20 all docs	20 docs citations	20 times ranked	75 citing authors

#	Article	IF	Citations
1	On Stability of a Class of Filters for Nonlinear Stochastic Systems. SIAM Journal on Control and Optimization, 2020, 58, 2023-2049.	2.1	13
2	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.	3.6	12
3	Maximum Likelihood Estimation and Uncertainty Quantification for Gaussian Process Approximation of Deterministic Functions. SIAM-ASA Journal on Uncertainty Quantification, 2020, 8, 926-958.	2.0	10
4	Fully Symmetric Kernel Quadrature. SIAM Journal of Scientific Computing, 2018, 40, A697-A720.	2.8	9
5	Taylor Moment Expansion for Continuous-Discrete Gaussian Filtering. IEEE Transactions on Automatic Control, 2021, 66, 4460-4467.	5.7	8
6	Classical quadrature rules via Gaussian processes. , 2017, , .		7
7	Gaussian kernel quadrature at scaled Gauss–Hermite nodes. BIT Numerical Mathematics, 2019, 59, 877-902.	2.0	7
8	On the positivity and magnitudes of Bayesian quadrature weights. Statistics and Computing, 2019, 29, 1317-1333.	1.5	7
9	Approximate state-space Gaussian processes via spectral transformation. , 2016, , .		5
10	Student-t process quadratures for filtering of non-linear systems with heavy-tailed noise. , 2017, , .		4
11	Worst-case optimal approximation with increasingly flat Gaussian kernels. Advances in Computational Mathematics, 2020, 46, 1.	1.6	4
12	Sampling based approximation of linear functionals in reproducing kernel Hilbert spaces. BIT Numerical Mathematics, 0, , 1.	2.0	4
13	Symmetry exploits for Bayesian cubature methods. Statistics and Computing, 2019, 29, 1231-1248.	1.5	3
14	Improved Calibration of Numerical Integration Error in Sigma-Point Filters. IEEE Transactions on Automatic Control, 2021, 66, 1286-1292.	5.7	3
15	Bounds on the Covariance Matrix of a Class of Kalman-Bucy Filters for Systems with Non-Linear Dynamics. , 2018, , .		2
16	MIXTURE REPRESENTATION OF THE MATÉRN CLASS WITH APPLICATIONS IN STATE SPACE APPROXIMATIONS AND BAYESIAN QUADRATURE. , 2018, , .		2
17	Asymptotics of Maximum Likelihood Parameter Estimates For Gaussian Processes: The Ornstein–Uhlenbeck Prior. , 2019, , .		2
18	Kernel-based interpolation at approximate Fekete points. Numerical Algorithms, 2021, 87, 445-468.	1.9	1

#	Article	IF	Citations
19	Integration in reproducing kernel Hilbert spaces of Gaussian kernels. Mathematics of Computation, 2021, 90, 2209-2233.	2.1	1