Bingbing Gao

List of Publications by Year
in descending order

23 papers	995 citations	516710 16 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	550 citing authors

#	ARTICLE	IF	CITATIONS
1	Mahalanobis distance-based fading cubature Kalman filter with augmented mechanism for hypersonic vehicle INS/CNS autonomous integration. Chinese Journal of Aeronautics, 2022, 35, 114-128.	5.3	24
2	Distributed State Fusion Using Sparse-Grid Quadrature Filter With Application to INS/CNS/GNSS Integration. IEEE Sensors Journal, 2022, 22, 3430-3441.	4.7	16
3	Double-Channel Sequential Probability Ratio Test for Failure Detection in Multisensor Integrated Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	9
4	Distributed H$infty$-Constraint Robust Estimator for Multi-Sensor Networked Hybrid Uncertain Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 3335-3348.	6.4	3
5	Cubature Kalman Filter With Both Adaptability and Robustness for Tightly-Coupled GNSS/INS Integration. IEEE Sensors Journal, 2021, 21, 14997-15011.	4.7	53
6	Cubature rule-based distributed optimal fusion with identification and prediction of kinematic model error for integrated UAV navigation. Aerospace Science and Technology, 2021, 109, 106447.	4.8	50
7	Distributed adaptive cubature information filtering for bounded noise system in wireless sensor networks. International Journal of Robust and Nonlinear Control, 2021, 31, 4869-4896.	3.7	5
8	Distributed recursive filtering for multi-sensor networked systems with multi-step sensor delays, missing measurements and correlated noise. Signal Processing, 2021, 181, 107868.	3.7	28
9	Extended Kalman filter for online soft tissue characterization based on Hunt-Crossley contact model. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104667.	3.1	16
10	Maximum Likelihood-Based Measurement Noise Covariance Estimation Using Sequential Quadratic Programming for Cubature Kalman Filter Applied in INS/BDS Integration. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	6
11	Unscented kalman filter with process noise covariance estimation for vehicular ins/gps integration system. Information Fusion, 2020, 64, 194-204.	19.1	114
12	Model Predictive Based Unscented Kalman Filter for Hypersonic Vehicle Navigation With INS/GNSS Integration. IEEE Access, 2020, 8, 4814-4823.	4.2	58
13	Distributed Robust Cubature Information Filtering for Measurement Outliers in Wireless Sensor Networks. IEEE Access, 2020, 8, 20203-20214.	4.2	14
14	Robust Unscented Kalman Filtering With Measurement Error Detection for Tightly Coupled INS/GNSS Integration in Hypersonic Vehicle Navigation. IEEE Access, 2019, 7, 151409-151421.	4.2	41
15	A Robust Cubature Kalman Filter with Abnormal Observations Identification Using the Mahalanobis Distance Criterion for Vehicular INS/GNSS Integration. Sensors, 2019, 19, 5149.	3.8	21
16	A new direct filtering approach to INS/GNSS integration. Aerospace Science and Technology, 2018, 77, 755-764.	4.8	127
17	Multi-sensor Optimal Data Fusion for INS/GNSS/CNS Integration Based on Unscented Kalman Filter. International Journal of Control, Automation and Systems, 2018, 16, 129-140.	2.7	66
18	Maximum likelihood principle and moving horizon estimation based adaptive unscented Kalman filter. Aerospace Science and Technology, 2018, 73, 184-196.	4.8	100

#	Article	IF	Citations
19	Multi-Sensor Optimal Data Fusion Based on the Adaptive Fading Unscented Kalman Filter. Sensors, 2018, 18, 488.	3.8	65
20	Interacting multiple model estimation-based adaptive robust unscented Kalman filter. International Journal of Control, Automation and Systems, 2017, 15, 2013-2025.	2.7	69
21	Matrix weighted multisensor data fusion for INS/GNSS/CNS integration. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1011-1026.	1.3	22
22	Modified federated Kalman filter for INS/GNSS/CNS integration. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 30-44.	1.3	26
23	Modified strong tracking unscented Kalman filter for nonlinear state estimation with process model uncertainty. International Journal of Adaptive Control and Signal Processing, 2015, 29, 1561-1577.	4.1	62