

Bingbing Gao

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

995
citations

516710

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642732

23
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all docs

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24
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	A new direct filtering approach to INS/GNSS integration. <i>Aerospace Science and Technology</i> , 2018, 77, 755-764.	4.8	127
2	Unscented kalman filter with process noise covariance estimation for vehicular ins/gps integration system. <i>Information Fusion</i> , 2020, 64, 194-204.	19.1	114
3	Maximum likelihood principle and moving horizon estimation based adaptive unscented Kalman filter. <i>Aerospace Science and Technology</i> , 2018, 73, 184-196.	4.8	100
4	Interacting multiple model estimation-based adaptive robust unscented Kalman filter. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2013-2025.	2.7	69
5	Multi-sensor Optimal Data Fusion for INS/GNSS/CNS Integration Based on Unscented Kalman Filter. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 129-140.	2.7	66
6	Multi-Sensor Optimal Data Fusion Based on the Adaptive Fading Unscented Kalman Filter. <i>Sensors</i> , 2018, 18, 488.	3.8	65
7	Modified strong tracking unscented Kalman filter for nonlinear state estimation with process model uncertainty. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015, 29, 1561-1577.	4.1	62
8	Model Predictive Based Unscented Kalman Filter for Hypersonic Vehicle Navigation With INS/GNSS Integration. <i>IEEE Access</i> , 2020, 8, 4814-4823.	4.2	58
9	Cubature Kalman Filter With Both Adaptability and Robustness for Tightly-Coupled GNSS/INS Integration. <i>IEEE Sensors Journal</i> , 2021, 21, 14997-15011.	4.7	53
10	Cubature rule-based distributed optimal fusion with identification and prediction of kinematic model error for integrated UAV navigation. <i>Aerospace Science and Technology</i> , 2021, 109, 106447.	4.8	50
11	Robust Unscented Kalman Filtering With Measurement Error Detection for Tightly Coupled INS/GNSS Integration in Hypersonic Vehicle Navigation. <i>IEEE Access</i> , 2019, 7, 151409-151421.	4.2	41
12	Distributed recursive filtering for multi-sensor networked systems with multi-step sensor delays, missing measurements and correlated noise. <i>Signal Processing</i> , 2021, 181, 107868.	3.7	28
13	Modified federated Kalman filter for INS/GNSS/CNS integration. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 30-44.	1.3	26
14	Mahalanobis distance-based fading cubature Kalman filter with augmented mechanism for hypersonic vehicle INS/CNS autonomous integration. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 114-128.	5.3	24
15	Matrix weighted multisensor data fusion for INS/GNSS/CNS integration. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 1011-1026.	1.3	22
16	A Robust Cubature Kalman Filter with Abnormal Observations Identification Using the Mahalanobis Distance Criterion for Vehicular INS/GNSS Integration. <i>Sensors</i> , 2019, 19, 5149.	3.8	21
17	Extended Kalman filter for online soft tissue characterization based on Hunt-Crossley contact model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104667.	3.1	16
18	Distributed State Fusion Using Sparse-Grid Quadrature Filter With Application to INS/CNS/GNSS Integration. <i>IEEE Sensors Journal</i> , 2022, 22, 3430-3441.	4.7	16

#	ARTICLE	IF	CITATIONS
19	Distributed Robust Cubature Information Filtering for Measurement Outliers in Wireless Sensor Networks. IEEE Access, 2020, 8, 20203-20214.	4.2	14
20	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
21	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
22	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
23	Distributed H^∞ -Constraint Robust Estimator for Multi-Sensor Networked Hybrid Uncertain Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 3335-3348.	6.4	3