Xiaolin Gong

List of Publications by Year
in descending order

20 papers	382 citations	840776 11 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	273 citing authors

#	Article	IF	Citations
1	Predictive Iterated Kalman Filter for INS/GPS Integration and Its Application to SAR Motion Compensation. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 909-915.	4.7	112
2	A Modified Nonlinear Two-Filter Smoothing for High-Precision Airborne Integrated GPS and Inertial Navigation. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3315-3322.	4.7	39
3	An innovational transfer alignment method based on parameter identification UKF for airborne distributed POS. Measurement: Journal of the International Measurement Confederation, 2014, 58, 103-114.	5.0	31
4	Application of unscented Râ€"Tâ€"S smoothing on INS/GPS integration system post processing for airborne earth observation. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1074-1083.	5.0	29
5	Dual-filter transfer alignment for airborne distributed POS based on PVAM. Aerospace Science and Technology, 2017, 71, 136-146.	4.8	25
6	Multi-Node Transfer Alignment Based on Mechanics Modeling for Airborne DPOS. IEEE Sensors Journal, 2018, 18, 669-679.	4.7	25
7	An innovative transfer alignment method based on federated filter for airborne distributed POS. Measurement: Journal of the International Measurement Confederation, 2016, 86, 165-181.	5.0	23
8	A conditional cubature Kalman filter and its application to transfer alignment of distributed position and orientation system. Aerospace Science and Technology, 2019, 95, 105405.	4.8	22
9	Airborne Earth Observation Positioning and Orientation by SINS/GPS Integration Using CD R-T-S Smoothing. Journal of Navigation, 2014, 67, 211-225.	1.7	15
10	Six-Dimensional Deformation Measurement of Distributed POS Based on FBG Sensors. IEEE Sensors Journal, 2021, 21, 7849-7856.	4.7	13
11	Optimized layout methods based on optimization algorithms for DPOS. Aerospace Science and Technology, 2019, 84, 484-496.	4.8	12
12	A transfer alignment method for airborne distributed POS with three-dimensional aircraft flexure angles. Science China Information Sciences, 2018, 61, 1.	4.3	8
13	Application of unscented Râ€"Tâ€"S smoothing based on novel mathematical model in SINS/GPS integrated system post processing. Measurement: Journal of the International Measurement Confederation, 2014, 55, 581-592.	5.0	5
14	Deformation Measuring Methods Based on Inertial Sensors for Airborne Distributed POS. International Journal of Aerospace Engineering, 2017, 2017, 1-12.	0.9	5
15	A Novel Optimal Layout Method of Airborne Distributed POS Based on MAC and GMC Hybrid Optimization Criterion. IEEE Sensors Journal, 2021, 21, 13638-13648.	4.7	4
16	An innovative distributed filter for airborne distributed position and orientation system. Aerospace Science and Technology, 2021, 119, 107155.	4.8	4
17	Unscented Particle Smoother and Its Application to Transfer Alignment of Airborne Distributed POS. International Journal of Aerospace Engineering, 2018, 2018, 1-13.	0.9	3
18	Adaptive CDKF Based on Gradient Descent With Momentum and its Application to POS. IEEE Sensors Journal, 2021, 21, 16201-16212.	4.7	3

#	Article	IF	Citations
19	An optimized layout method based on genetic algorithm for DPOS. , 2017, , .		2
20	A Time Synchronization Method Between FBG Deformation Measurement System and Airborne DPOS Based on Waveform Matching. IEEE Sensors Journal, 2021, 21, 20324-20334.	4.7	2