

Yanqiang Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Novel Attitude Measurement While Drilling System Based on Single-Axis Fiber Optic Gyroscope. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
2	A Novel Storage-Period Self-Calibration Method of Missile-Borne SINS With Redundant Configuration. IEEE Sensors Journal, 2022, 22, 13078-13087.	4.7	4
3	A New Method to Improve the Navigation Performance of SINS in Vibration Environment. IEEE Sensors Journal, 2021, 21, 438-446.	4.7	4
4	The Stellar-INS Navigation Performance Influence Mechanism of Star Vector Orientation in the Field of View. Journal of Navigation, 2021, 74, 234-246.	1.7	0
5	The geometrical analysis of localization error characteristic in stereo vision systems. Review of Scientific Instruments, 2021, 92, 015122.	1.3	1
6	A Novel In-Motion Alignment Method Based on Trajectory Matching for Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 2231-2238.	6.3	9
7	Low-Cost IMU Error Intercorrection Method for Verticality Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	5
8	Dead Band Self-Test Method of Three-Self FOG INS. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	6
9	On-Orbit Calibration Method for Redundant IMU Based on Satellite Navigation & Star Sensor Information Fusion. IEEE Sensors Journal, 2020, 20, 4530-4543.	4.7	23
10	A Multiposition Initial Alignment Method of Portable MIMU/FOG Compound Navigation System. IEEE Access, 2020, 8, 162066-162072.	4.2	2
11	A Cosine-Fitting Self-Alignment Method of MEMS-Based Inertial Navigation System Consisting of a Skew FOG. IEEE Sensors Journal, 2020, 20, 11350-11356.	4.7	9
12	Data Fusion Method of Measurement Lag Compensation for Multirate MIMU/FOG/GNSS Compound Navigation. IEEE Sensors Journal, 2020, 20, 5048-5060.	4.7	4
13	Self-calibration of gyro asymmetry for single-axis forward&reverse rotating inertial navigation system under arbitrary attitude. Measurement Science and Technology, 2019, 30, 035103.	2.6	3
14	The Optical Reference Error Analysis and Control Method in Ground Validation System of Stellar-Inertial Integration. IEEE Sensors Journal, 2019, 19, 670-678.	4.7	4
15	Classification of Methods in the SINS/CNS Integration Navigation System. IEEE Access, 2018, 6, 3149-3158.	4.2	13
16	System-Level Calibration for the Star Sensor Installation Error in the Stellar-Inertial Navigation System on a Swaying Base. IEEE Access, 2018, 6, 47288-47294.	4.2	8
17	Calibration of gyro G-sensitivity coefficients with FOG monitoring on precision centrifuge. Measurement Science and Technology, 2017, 28, 075103.	2.6	3
18	An All-Parameter System-Level Calibration for Stellar-Inertial Navigation System on Ground. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2065-2073.	4.7	35

#	ARTICLE	IF	CITATIONS
19	False star detection and isolation during star tracking based on improved chi-square tests. Review of Scientific Instruments, 2017, 88, 085004.	1.3	9
20	A Dynamic Precision Evaluation Method for the Star Sensor in the Stellar-Inertial Navigation System. Scientific Reports, 2017, 7, 4356.	3.3	9
21	In-Flight Calibration of Gyros and Star Sensor With Observability Analysis for SINS/CNS Integration. IEEE Sensors Journal, 2017, 17, 7131-7142.	4.7	21
22	Local Observability Analysis of Star Sensor Installation Errors in a SINS/CNS Integration System for Near-Earth Flight Vehicles. Sensors, 2017, 17, 167.	3.8	23
23	A Method for improving the performance of centering rod surveying based on two-position correction. Measurement Science and Technology, 0, , .	2.6	1