Yiqing Yao

List of Publications by Year
in descending order

29	650	516710	580821
papers	citations	16	25
		h-index	g-index

29	29	29	311
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust In-Motion Optimization-Based Alignment for SINS/GPS Integration. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4362-4372.	8.0	21
2	An M-Estimation-Based Improved Interacting Multiple Model for INS/DVL Navigation Method. IEEE Sensors Journal, 2022, 22, 13375-13386.	4.7	4
3	In-Motion Coarse Alignment Method for SINS/GPS Integration in Polar Region. IEEE Transactions on Vehicular Technology, 2022, 71, 6110-6118.	6.3	6
4	A Staggered Grid Based Water Current Aided SINS/DVL Integration Solution for Mid Water Navigation. IEEE Sensors Journal, 2022, 22, 13136-13143.	4.7	3
5	A Robust In-Motion Alignment Method With Inertial Sensors and Doppler Velocity Log. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	22
6	A Robust Quaternion Kalman Filter Method for MIMU/GPS In-Motion Alignment. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	5
7	Virtual DVL Reconstruction Method for an Integrated Navigation System Based on DS-LSSVM Algorithm. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	16
8	An Improved Initial Alignment Method for SINS/GPS Integration With Vectors Subtraction. IEEE Sensors Journal, 2021, 21, 18256-18262.	4.7	20
9	Improved exponential weighted moving average based measurement noise estimation for strapdown inertial navigation system/doppler velocity log integrated system. Journal of Navigation, 2021, 74, 467-487.	1.7	6
10	A Novel SINS/DVL Tightly Integrated Navigation Method for Complex Environment. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5183-5196.	4.7	83
11	A Simple and Precise Correction Method for DVL Measurements Under the Dynamic Environment. IEEE Transactions on Vehicular Technology, 2020, 69, 10750-10758.	6.3	22
12	Fast SINS Initial Alignment Method Based on Iterative Algorithms in Inertial Frame. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	2
13	Hull Deformation Measurement With Large Angles Based on Inertial Sensors. IEEE Access, 2020, 8, 191413-191420.	4.2	2
14	DVL Aided SINS Coarse Alignment Solution With High Dynamics. IEEE Access, 2020, 8, 169922-169929.	4.2	2
15	An Iterative Doppler Velocity Log Error Calibration Algorithm Based on Newton Optimization. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	2
16	In-motion coarse alignment method for SINS/DVL with the attitude dynamics. ISA Transactions, 2020, 105, 377-386.	5.7	20
17	A Fast Robust In-Motion Alignment Method for SINS With DVL Aided. IEEE Transactions on Vehicular Technology, 2020, 69, 3816-3827.	6.3	39
18	An IMM-UKF Aided SINS/USBL Calibration Solution for Underwater Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 3740-3747.	6.3	48

#	Article	IF	Citations
19	Robust Initial Alignment for SINS/DVL Based on Reconstructed Observation Vectors. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1659-1667.	5.8	29
20	An Improved Interacting Multiple Model Algorithm for INS/DVL Integrated Navigation System. , 2020, , .		3
21	A Hybrid Approach Based on Improved AR Model and MAA for INS/DVL Integrated Navigation Systems. IEEE Access, 2019, 7, 82794-82808.	4.2	18
22	A misalignment angle error calibration method of underwater acoustic array in strapdown inertial navigation system/ultrashort baseline integrated navigation system based on single transponder mode. Review of Scientific Instruments, 2019, 90, 085001.	1.3	11
23	A Hybrid IMM Based INS/DVL Integration Solution for Underwater Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5459-5470.	6.3	78
24	In-motion coarse alignment method based on reconstructed observation vectors. Review of Scientific Instruments, 2017, 88, 035001.	1.3	18
25	A hybrid fusion algorithm for GPS/INS integration during GPS outages. Measurement: Journal of the International Measurement Confederation, 2017, 103, 42-51.	5.0	104
26	A fast alignment method for SINS with large misalignment angles based on ADRC. , 2017, , .		2
27	A RLS-SVM Aided Fusion Methodology for INS during GPS Outages. Sensors, 2017, 17, 432.	3.8	20
28	An IMM-Aided ZUPT Methodology for an INS/DVL Integrated Navigation System. Sensors, 2017, 17, 2030.	3.8	27
29	A Self-Alignment Algorithm for SINS Based on Gravitational Apparent Motion and Sensor Data Denoising. Sensors, 2015, 15, 9827-9853.	3.8	17