Bo Wang

List of Publications by Year
in descending order

37 papers	971 citations	430442 18 h-index	454577 30 g-index
37 all docs	37 docs citations	37 times ranked	721 citing authors

#	Article	IF	Citations
1	A State Monitoring Method of Gas Regulator Station Based on Evidence Theory Driven by Time-Domain Information. IEEE Transactions on Industrial Electronics, 2022, 69, 694-702.	5.2	4
2	SINS/DVL Integrated Navigation Method With Current Compensation Using RBF Neural Network. IEEE Sensors Journal, 2022, 22, 14366-14377.	2.4	5
3	State Monitoring of Gas Regulator Station Based on Feature Selection of Improved Grey Relational Analysis. IEEE Internet of Things Journal, 2022, 9, 22765-22773.	5.5	2
4	Improved Particle Filter-Based Matching Method With Gravity Sample Vector for Underwater Gravity-Aided Navigation. IEEE Transactions on Industrial Electronics, 2021, 68, 5206-5216.	5.2	20
5	A Delaunay Triangulation-Based Matching Area Selection Algorithm for Underwater Gravity-Aided Inertial Navigation. IEEE/ASME Transactions on Mechatronics, 2021, 26, 908-917.	3.7	9
6	A Model-Free Calibration Method of Inertial Navigation System and Doppler Sensors. IEEE Sensors Journal, 2021, 21, 2219-2229.	2.4	13
7	An Approach for DVL-Aided SINS In-Motion Alignment Based on Observability Analysis. IEEE Sensors Journal, 2021, 21, 17131-17143.	2.4	12
8	Foot-Mounted Pedestrian Navigation Algorithm Based on BOR/MINS Integrated Framework. IEEE Transactions on Industrial Electronics, 2020, 67, 3980-3989.	5.2	19
9	A Support Vector Regression-Based Integrated Navigation Method for Underwater Vehicles. IEEE Sensors Journal, 2020, 20, 8875-8883.	2.4	13
10	Sum Vector-Difference-Based Matching Area Selection Method for Underwater Gravity-Aided Navigation. IEEE Access, 2019, 7, 123616-123624.	2.6	6
11	A Characteristic Parameter Matching Algorithm for Gravity-Aided Navigation of Underwater Vehicles. IEEE Transactions on Industrial Electronics, 2019, 66, 1203-1212.	5.2	28
12	A Matching Algorithm Based on the Nonlinear Filter and Similarity Transformation for Gravity-Aided Underwater Navigation. IEEE/ASME Transactions on Mechatronics, 2018, 23, 646-654.	3.7	19
13	A Combined Matching Algorithm for Underwater Gravity-Aided Navigation. IEEE/ASME Transactions on Mechatronics, 2018, 23, 233-241.	3.7	35
14	Analysis and Calibration of the Nonorthogonal Angle in Dual-Axis Rotational INS. IEEE Transactions on Industrial Electronics, 2017, 64, 4762-4771.	5.2	41
15	A Mismatch Diagnostic Method for TERCOM-Based Underwater Gravity-Aided Navigation. IEEE Sensors Journal, 2017, 17, 2880-2888.	2.4	25
16	An Acoustic Communication Time Delays Compensation Approach for Master–Slave AUV Cooperative Navigation. IEEE Sensors Journal, 2017, 17, 504-513.	2.4	54
17	A Correction Method for DVL Measurement Errors by Attitude Dynamics. IEEE Sensors Journal, 2017, 17, 4628-4638.	2.4	34
18	Absolute velocity damping algorithm with varying damping ratio for inertial navigation systems based on Kalman filter. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Cooperative navigation for multiple autonomous underwater vehicles with time delayed measurements. , 2016, , .		0
20	The Gravity Matching Area Selection Criteria for Underwater Gravity-Aided Navigation Application Based on the Comprehensive Characteristic Parameter. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2935-2943.	3.7	26
21	A Particle Filter-Based Matching Algorithm With Gravity Sample Vector for Underwater Gravity Aided Navigation. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1399-1408.	3.7	65
22	An Improved TERCOM-Based Algorithm for Gravity-Aided Navigation. IEEE Sensors Journal, 2016, 16, 2537-2544.	2.4	45
23	A Self-Calibration Method for Nonorthogonal Angles Between Gimbals of Rotational Inertial Navigation System. IEEE Transactions on Industrial Electronics, 2015, 62, 2353-2362.	5.2	116
24	Estimation of Information Sharing Error by Dynamic Deformation Between Inertial Navigation Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 2015-2023.	5.2	62
25	In-motion initial alignment method for DVL-aided SINS under wave disturbance for AUV. , 2014, , .		2
26	Kalman Filter With Recursive Covariance Estimation—Sequentially Estimating Process Noise Covariance. IEEE Transactions on Industrial Electronics, 2014, 61, 6253-6263.	5.2	107
27	Error modulation scheme analysis of dual-axis rotating strap-down inertial navigation system based on FOG. , 2014, , .		10
28	Analysis of error suppression performance in the carrier angle motion status for rotation for FOG inertial navigation system. , 2014, , .		1
29	A multi-position self-calibration method for dual-axis rotational inertial navigation system. Sensors and Actuators A: Physical, 2014, 219, 24-31.	2.0	70
30	Rapid alignment method of INS with large initial azimuth error under uncertain flexure disturbances. , 2013, , .		0
31	Unscented Particle Filtering for Estimation of Shipboard Deformation Based on Inertial Measurement Units. Sensors, 2013, 13, 15656-15672.	2.1	12
32	On-line self-calibration for inertial platform system with a single totally free axis. , 2013, , .		0
33	Ship-Borne Transfer Alignment under Low Maneuver. Applied Mechanics and Materials, 2012, 152-154, 1155-1158.	0.2	2
34	Noise analysis and suppression method in attitude determination using the global positioning system (GPS). Applied Mathematics and Computation, 2010, 217, 3985-3992.	1.4	6
35	A motion-based integer ambiguity resolution method for attitude determination using the global positioning system (GPS). Measurement Science and Technology, 2010, 21, 065102.	1.4	14
36	An integer ambiguity resolution method for the global positioning system (GPS)-based land vehicle attitude determination. Measurement Science and Technology, 2009, 20, 075108.	1.4	18

#	Article	IF	Citations
37	A constrained LAMBDA method for GPS attitude determination. GPS Solutions, 2009, 13, 97-107.	2.2	75