

Xiaofeng He

List of Publications by Year in descending order

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papers

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840776

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25
all docs

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docs citations

25
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Calibration of a Novel Camera-Based Bio-Inspired Polarization Navigation Sensor. IEEE Sensors Journal, 2016, 16, 3640-3648.	4.7	64
2	State transformation extended Kalman filter for GPS/SINS tightly coupled integration. GPS Solutions, 2018, 22, 1.	4.3	57
3	Integrated Polarized Skylight Sensor and MIMU With a Metric Map for Urban Ground Navigation. IEEE Sensors Journal, 2018, 18, 1714-1722.	4.7	46
4	Consistent ST-EKF for Long Distance Land Vehicle Navigation Based on SINS/OD Integration. IEEE Transactions on Vehicular Technology, 2019, 68, 10525-10534.	6.3	44
5	Design and Calibration of a Novel Bio-Inspired Pixelated Polarized Light Compass. Sensors, 2017, 17, 2623.	3.8	42
6	An Evaluation of Skylight Polarization Patterns for Navigation. Sensors, 2015, 15, 5895-5913.	3.8	33
7	Bionic Orientation and Visual Enhancement With a Novel Polarization Camera. IEEE Sensors Journal, 2017, 17, 1316-1324.	4.7	29
8	Lie group based nonlinear state errors for MEMS-IMU/GNSS/magnetometer integrated navigation. Journal of Navigation, 2021, 74, 887-900.	1.7	24
9	Observability Analysis of a MEMS INS/GPS Integration System with Gyroscope G-Sensitivity Errors. Sensors, 2014, 14, 16003-16016.	3.8	23
10	A bionic autonomous navigation system by using polarization navigation sensor and stereo camera. Autonomous Robots, 2017, 41, 1107-1118.	4.8	19
11	Geometric calibration algorithm of polarization camera using planar patterns. Journal of Shanghai Jiaotong University (Science), 2017, 22, 55-59.	0.9	11
12	A Novel Orientation Method for Polarized Light Compass Under Tilted Conditions. IEEE Sensors Journal, 2020, 20, 10554-10563.	4.7	11
13	Integrated Bionic Polarized Vision/VINS for Goal-Directed Navigation and Homing in Unmanned Ground Vehicle. IEEE Sensors Journal, 2021, 21, 11232-11241.	4.7	10
14	Research on MIMU/BD integrated navigation with three-axis magnetometer aided. , 2014, , .		7
15	State Transformation Extended Kalman Filter for SINS based Integrated Navigation System. , 2019, , .		7
16	Analysis of static and dynamic real-time precise point positioning and precision based on SSR correction. , 2016, , .		6
17	Simplified ultra-tightly coupled BDS/INS integrated navigation system. Science China Information Sciences, 2016, 59, 1.	4.3	4
18	A square root unscented Kalman filter for multiple view geometry based stereo cameras/inertial navigation. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666485.	2.1	3

#	ARTICLE	IF	CITATIONS
19	A Polarized Light Compass Aided Place Recognition System. , 2019, , .		3
20	Bio-Inspired Multisensor Navigation System Based on the Skylight Compass and Visual Place Recognition for Unmanned Aerial Vehicles. IEEE Sensors Journal, 2022, 22, 15419-15428.	4.7	3
21	An Improved Approach to Network Ambiguity Validation by Applying Outlier Detection to the Baseline Measurement Errors. Surveys in Geophysics, 2013, 34, 165-180.	4.6	2
22	A double-filter-structure based COMPASS/INS deep integrated navigation system implementation and tracking performance evaluation. Science China Information Sciences, 2014, 57, 1-14.	4.3	2
23	Analysis of INS Aided Signal Acquisition Based on Navigation Satellites Software Receivers. , 2009, , .		1
24	A Design of Odometer-Aided Visual Inertial Integrated Navigation Algorithm Based on Multiple View Geometry Constraints. , 2017, , .		1
25	Lie Group Based Nonlinear State Error for Integrated Navigation. Lecture Notes in Electrical Engineering, 2022, , 13-25.	0.4	0