

Pin Lyu

List of Publications by Year in descending order

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103
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#	ARTICLE	IF	CITATIONS
1	Autonomous cyanobacterial harmful algal blooms monitoring using multirotor UAS. International Journal of Remote Sensing, 2017, 38, 2818-2843.	2.9	26
2	Noncommutativity Error Analysis of Strapdown Inertial Navigation System under the Vibration in UAVs. International Journal of Advanced Robotic Systems, 2012, 9, 136.	2.1	17
3	Optimal Time Difference-Based TDCP-GPS/IMU Navigation Using Graph Optimization. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	15
4	A Model-aided Optical Flow/Inertial Sensor Fusion Method for a Quadrotor. Journal of Navigation, 2017, 70, 325-341.	1.7	11
5	Improved Preintegration Method for GNSS/IMU/In-Vehicle Sensors Navigation Using Graph Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 11446-11457.	6.3	11
6	Homologous fault monitoring technology of redundant INS in airborne avionics systems. Journal of Systems Engineering and Electronics, 2013, 24, 1038-1044.	2.2	10
7	A Kalman filter algorithm based on exact modeling for FOG GPS/SINS integration. Optik, 2014, 125, 3476-3481.	2.9	9
8	A Novel Fault-Tolerant Navigation and Positioning Method with Stereo-Camera/Micro Electro Mechanical Systems Inertial Measurement Unit (MEMS-IMU) in Hostile Environment. Micromachines, 2018, 9, 626.	2.9	9
9	Effective aerial monitoring of cyanobacterial harmful algal blooms is dependent on understanding cellular migration. Harmful Algae, 2019, 87, 101620.	4.8	8
10	Analysis of coning motion caused by turntable's vibration in rotation inertial navigation system. , 2012, , .		5
11	Rotorcraft seamless navigation method based on hybrid multi-model filter and aerodynamic model. , 2016, , .		1
12	High-Precision Positioning Method of Coal Shearer in underground environment based on Rail Kinematics Model (October 2021). IEEE Access, 2021, , 1-1.	4.2	1
13	Graph-optimisation-based self-calibration method for IMU/odometer using preintegration theory. Journal of Navigation, 2022, 75, 594-613.	1.7	1
14	The BDS receiver tracking loop based on the weight adjustment and adaptive bandwidth. , 2017, , .		0