Mingxing Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2143155/publications.pdf

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27	383	840776 11	794594 19
papers	citations	h-index	g-index

27	27	27	338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chi-square and SPRT combined fault detection for multisensor navigation. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1352-1365.	4.7	70
2	A new dynamic vector formed information sharing algorithm in federated filter. Aerospace Science and Technology, 2013, 29, 37-46.	4.8	54
3	Integrity for Multi-Sensor Cooperative Positioning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 792-807.	8.0	34
4	A Novel Pedestrian Dead Reckoning Algorithm for Multi-Mode Recognition Based on Smartphones. Remote Sensing, 2019, 11, 294.	4.0	32
5	Cooperative navigation of unmanned aerial vehicle swarm based on cooperative dilution of precision. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093271.	2.1	21
6	Carrier-Phase-Based Multi-Vehicle Cooperative Positioning Using V2V Sensors. IEEE Transactions on Vehicular Technology, 2020, 69, 9528-9541.	6.3	21
7	Cooperative positioning for low-cost close formation flight based on relative estimation and belief propagation. Aerospace Science and Technology, 2020, 106, 106068.	4.8	20
8	A new tightly-coupled INS/CNS integrated navigation algorithm with weighted multi-stars observations. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 698-712.	1.3	19
9	Vision pose estimation from planar dual circles in a single image. Optik, 2016, 127, 4275-4280.	2.9	16
10	Hybrid Cooperative Positioning for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 714-727.	6.3	13
11	Pedestrian Navigation System with Trinal-IMUs for Drastic Motions. Sensors, 2020, 20, 5570.	3.8	13
12	KSF-SLAM: A Key Segmentation Frame Based Semantic SLAM in Dynamic Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, 1.	3.4	10
13	Lower Limb Model Based Inertial Indoor Pedestrian Navigation System for Walking and Running. IEEE Access, 2021, 9, 42059-42070.	4.2	8
14	SINS/GPS/CNS information fusion system based on improved Huber filter with classified adaptive factors for high-speed UAVs. , 2012, , .		7
15	Offline Calibration for MEMS Gyroscope G-sensitivity Error Coefficients Based on the Newton Iteration and Least Square Methods. Journal of Navigation, 2018, 71, 352-370.	1.7	7
16	A hybrid cooperative navigation method for UAV swarm based on factor graph and Kalman filter. International Journal of Distributed Sensor Networks, 2022, 18, 155014772110647.	2.2	7
17	Accurate Attitude Estimation Using ARS under Conditions of Vehicle Movement Based on Disturbance Acceleration Adaptive Estimation and Correction. Sensors, 2016, 16, 1716.	3.8	6
18	Cooperative positioning algorithm of swarm UAVs based on posterior linearization belief propagation. , 2019, , .		6

#	Article	IF	Citations
19	Resilient fusion navigation based on failure influence level evaluation. IET Radar, Sonar and Navigation, 2019, 13, 721-729.	1.8	6
20	Distributed attitude transfer alignment research based on INS/CNS integrated navigation system. , 2014, , .		3
21	A Path Integration Approach Based on Multiscale Grid Cells for Large-Scale Navigation. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1009-1020.	3.8	3
22	A collaborative navigation method based on partnership optimisation for clustered aircraft. IET Radar, Sonar and Navigation, 2022, 16, 1042-1052.	1.8	2
23	Cooperative Navigation for Low-Cost UAV Swarm Based on Sigma Point Belief Propagation. Remote Sensing, 2022, 14, 1976.	4.0	2
24	Research on multi-sensor information fusion system application for UAVS with long range and high altitude. , 2010, , .		1
25	A fast star identification method assisted by INS with stars geometric configuration for aerospace vehicle navigation (IEEE/CSAA GNCC). , 2018, , .		1
26	Robust SLAM in Dynamic Scenarios Based on Deep Learning and Geometric Constraints. , 2021, , .		1
27	A Positioning Method Based on Place Cells and Head-Direction Cells for Inertial/Visual Brain-Inspired Navigation System. Sensors, 2021, 21, 7988.	3.8	0