Youngjoo Kim

List of Publications by Year
in descending order

30 papers	388 citations	1040056 9 h-index	1058476 14 g-index
30 all docs	30 docs citations	30 times ranked	331 citing authors

#	Article	IF	Citations
1	Scalable Learning With a Structural Recurrent Neural Network for Short-Term Traffic Prediction. IEEE Sensors Journal, 2019, 19, 11359-11366.	4.7	14
2	Structural Recurrent Neural Network for Traffic Speed Prediction. , 2019, , .		22
3	Real-time path planning to dispatch a mobile sensor into an operational area. Information Fusion, 2019, 45, 27-37.	19.1	7
4	Cooperative circular pattern target tracking using navigation function. Aerospace Science and Technology, 2018, 76, 105-111.	4.8	9
5	Utilizing Out-of-Sequence Measurement for Ambiguous Update in Particle Filtering. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 493-501.	4.7	20
6	Vision-based terrain referenced navigation of aerial vehicles using an adaptive extended Kalman filter. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1584-1597.	1.3	2
7	Vision-based navigation for unmanned aircraft using ground feature points and terrain elevation data. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1334-1346.	1.3	7
8	Short-Term Traffic Prediction with Vicinity Gaussian Process in the Presence of Missing Data. , 2018, , .		8
9	A Capsule Network for Traffic Speed Prediction in Complex Road Networks. , 2018, , .		32
10	Terrain-Referenced Navigation using an Interferometric Radar Altimeter. Navigation, Journal of the Institute of Navigation, 2018, 65, 157-167.	2.8	17
11	Multivariate mutual information of interferometric radar altimeter. , 2017, , .		1
12	Improvement of the attitude determination accuracy for nanosatellites using a camera sensor. , 2017, , .		2
13	A new measurement model of interferometric radar altimeter for terrain referenced navigation using particle filter. , 2017, , .		8
14	Comparison of solutions for measurement ambiguity in terrain referenced navigation. , 2017, , .		0
15	Satellite Constellation Orbit Design Optimization with Combined Genetic Algorithm and Semianalytical Approach. International Journal of Aerospace Engineering, 2017, 2017, 1-17.	0.9	42
16	GPU-Accelerated Particle Filter for Multi-Sensor Multi-Target Tracking. Journal of Institute of Control, Robotics and Systems, 2017, 23, 152-156.	0.2	1
17	Decentralized control of multiple unmanned aircraft for target tracking and obstacle avoidance. , 2016, , .		6
18	Target state estimation for vision-based landing on a moving ground target. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Hybrid fuzzy-PID control and modeling of coaxial rotor helicopter. , 2016, , .		2
20	Decentralized Control of Multiple Agents for Optimizing Target Tracking Performance and Collision Avoidance. Journal of Institute of Control, Robotics and Systems, 2016, 22, 693-698.	0.2	0
21	Development of multiple unmanned aircraft system and flight experiment. , 2015, , .		0
22	Airborne multisensor management for multitarget tracking. , 2015, , .		6
23	Utilization of terrain elevation map in SLAM for unmanned aircraft. , 2015, , .		0
24	Experimental Verification of Multi-Sensor Geolocation Algorithm using Sequential Kalman Filter. Journal of Institute of Control, Robotics and Systems, 2015, 21, 7-13.	0.2	1
25	Ad-hoc network for inter-vehicle communication of multiple UAVs. , 2014, , .		4
26	Vision-aided terrain referenced navigation for unmanned aerial vehicles using ground features. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 2399-2413.	1.3	10
27	Visual Target Tracking and Relative Navigation for Unmanned Aerial Vehicles in a GPS-Denied Environment. International Journal of Aeronautical and Space Sciences, 2014, 15, 258-266.	2.0	18
28	Vision-based Terrain Referenced Navigation for Unmanned Aerial Vehicles using Homography Relationship. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 489-497.	3.4	17
29	Standoff Target Tracking using a Vector Field for Multiple Unmanned Aircrafts. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 347-360.	3.4	61
30	Introduction to Kalman Filter and Its Applications. , 0, , .		68