Duk-Sun Shim

List of Publications by Year
in descending order

19 papers	246 citations	1040056 9 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	189 citing authors

#	Article	IF	Citations
1	Optimal Configuration of Redundant Inertial Sensors for Navigation and FDI Performance. Sensors, 2010, 10, 6497-6512.	3.8	54
2	GPS spoofing detection using accelerometers and performance analysis with probability of detection. International Journal of Control, Automation and Systems, 2015, 13, 951-959.	2.7	41
3	Performance Analysis of Direct GPS Spoofing Detection Method with AHRS/Accelerometer. Sensors, 2020, 20, 954.	3.8	26
4	Application of Motion Sensors for Beam-Tracking of Mobile Stations in mmWave Communication Systems. Sensors, 2014, 14, 19622-19638.	3.8	25
5	Best Sensor Configuration and Accommodation Rule Based on Navigation Performance for INS with Seven Inertial Sensors. Sensors, 2009, 9, 8456-8472.	3.8	23
6	FDI using Multiple Parity Vectors for Redundant Inertial Sensors. European Journal of Control, 2006, 12, 437-449.	2.6	11
7	Effective pedestrian detection using deformable part model based on human model. International Journal of Control, Automation and Systems, 2016, 14, 1618-1625.	2.7	11
8	Fast Algebraic Calibration of MEMS Tri-axis Magnetometer for Initial Alignment Using Least Square Method. Journal of Electrical Engineering and Technology, 2020, 15, 2361-2372.	2.0	11
9	Rapid Acquisition of CM and CL Code for GPS L2C Software Receivers. Journal of Electrical Engineering and Technology, 2011, 6, 723-730.	2.0	11
10	An Unambiguous Delay-And-Multiply Acquisition Scheme for GPS L1C Signals. Sensors, 2018, 18, 1739.	3.8	8
11	New unambiguous delay-and-multiply acquisition schemes for Galileo E1 OS signals and its performance analysis. International Journal of Control, Automation and Systems, 2017, 15, 2848-2858.	2.7	7
12	Object motion tracking using a moving direction estimate and color updates. International Journal of Control, Automation and Systems, 2012, 10, 136-142.	2.7	6
13	Visual Distinctiveness Detection of Pedestrian based on Statistically Weighting PLSA for Intelligent Systems. International Journal of Control, Automation and Systems, 2018, 16, 815-822.	2.7	4
14	Spoofing Signal Detection Using Accelerometers in IMU and GPS Information. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1273-1280.	0.1	4
15	Fast acquisition of GPS L5 PRN and NH code using L1 signal for software receivers. International Journal of Control, Automation and Systems, 2016, 14, 1133-1139.	2.7	3
16	A Caratheodory-Fejer approach to simultaneous fault detection and isolation. , 0, , .		1
17	Hierarchical position control of expedition robots. , 2007, , .		0
18	Ocular Fundus Blood Vessel Registration using Repeated Application of the ICP Algorithm. , 2007, , .		0

#	Article	IF	Citations
19	Performance of MEMS motion sensors in mobile devices for beam tracking techniques. , 2014, , .		0