Jozef HrbÄek

List of Publications by Year
in descending order

18 papers	95 citations	1937685 4 h-index	1588992 8 g-index
18 all docs	18 docs citations	18 times ranked	95 citing authors

#	Article	IF	Citations
1	Improving the Precision and Speed of Euler Angles Computation from Low-Cost Rotation Sensor Data. Sensors, 2015, 15, 7016-7039.	3.8	47
2	Searching for collisions between mobile robot and environment. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666750.	2.1	13
3	Control system for the haptic paddle used in mobile robotics. International Journal of Advanced Robotic Systems, 2017, 14, 172988141773703.	2.1	9
4	Process model and implementation the multivariable model predictive control to ventilation system. , 2010, , .		8
5	Development of a Weight-in-Motion Measurement System with an Optical Sensor. Communications in Computer and Information Science, 2017, , 234-247.	0.5	4
6	Forward control of the ball position. , 2016, , .		3
7	The Problems Related to Realization of Safety Function with SIL4 Using PLC. , 2020, , .		3
8	Inertial Navigation: Improving Precision and Speed of Euler Angles Computing from MEMS Gyroscope Data. Communications in Computer and Information Science, 2013, , 163-170.	0.5	2
9	Embedded image processing on Raspberry Pi connected to the industrial control system. Multidisciplinary Aspects of Production Engineering, 2019, 2, 62-71.	0.2	2
10	Calculation of the Dangerous Failure Rate of the Safety Function. Applied Sciences (Switzerland), 2022, 12, 2382.	2.5	2
11	Why Lethal autonomous weapon systems are unacceptable. , 2017, , .		1
12	The Tunnel Ventilation System in MATLAB in Cooperation with TuSim. Procedia Engineering, 2017, 192, 427-432.	1.2	1
13	Controller design for nonlinear stochastic system with time delay and constraints. , 2014, , .		0
14	Linear control of naturally unstable system using PID regulator. , 2014, , .		0
15	Development of the Short Time Signals Processing Unit Using an Embedded System. , 2019, , .		0
16	Implementation of the Extended Kalman Filter using MATLAB Symbolic Toolbox. , 2020, , .		0
17	On-line identification methods as part of the tunnel ventilation control algorithm. Transportation Research Procedia, 2021, 55, 961-968.	1.5	0
18	The Output Circuit Solution of the Safety PLC for a Larger Number of Output Points. , 2021, , .		0