Barbara Siemiatkowska

List of Publications by Year
in descending order

16 papers	**117** citations	**7** h-index

1307594

11 g-index		

1281871

18 all docs	**18** docs citations	**18** times ranked	**70** citing authors

#	Article	IF	Citations
1	A System for Weeds and Crops Identification—Reaching over 10 FPS on Raspberry Pi with the Usage of MobileNets, DenseNet and Custom Modifications. Sensors, 2019, 19, 3787.	3.8	27
2	Towards Semantic Navigation in Mobile Robotics. Lecture Notes in Computer Science, 2010, , 719-748.	1.3	16
3	A Framework for Planning and Execution of Drone Swarm Missions in a Hostile Environment. Sensors, 2021, 21, 4150.	3.8	15
4	Energy Efficient UAV Flight Control Method in an Environment with Obstacles and Gusts of Wind. Energies, 2022, 15, 3730.	3.1	11
5	Real-Time Object Detection and Classification by UAV Equipped With SAR. Sensors, 2022, 22, 2068.	3.8	10
6	BIM Based Indoor Navigation System of Hermes Mobile Robot. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 375-382.	0.6	8
7	Hexagonal Grid-Based Framework for Mobile Robot Navigation. Remote Sensing, 2021, 13, 4216.	4.0	7
8	Using Ignorance in 3D Scene Understanding. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	3
9	Nature-Inspired, Parallel Object Recognition. Advances in Intelligent Systems and Computing, 2015, , 53-62.	0.6	3
10	A New CNN-Based Method of Path Planning in Dynamic Environment. Lecture Notes in Computer Science, 2012, , 484-492.	1.3	3
11	Integration of Qualitative and Quantitative Spatial Data within a Semantic Map for Service Robots. Advances in Intelligent Systems and Computing, 2015, , 223-232.	0.6	2
12	The Application of Hexagonal Grids in Mobile Robot Navigation. Advances in Intelligent Systems and Computing, 2020, , 198-205.	0.6	2
13	Semantic Place Labeling Method. Journal of Automation, Mobile Robotics and Intelligent Systems, 2015, 9, 28-33.	0.4	1
14	Place Classification using Dempster-Shafer Theory. Foundations of Computing and Decision Sciences, 2017, 42, 257-273.	1.2	1
15	Mobile robot localization using laser range scanner and omnicamera. , 2006, , 447-454.		1
16	The Application of ICP and SIFT Algorithms for Mobile Robot Localization. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2010, , 391-398.	0.6	0