

Wilbert G Aguilar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low Cost Multitask Mobile Robot for Military Application. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 462-473.	0.5	0
2	Visual-Based Real-Time Detection Using Neural Networks and Micro-UAVs for Military Operations. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 55-64.	0.5	5
3	Visual and Inertial Data-Based Virtual Localization for Urban Combat. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 65-74.	0.5	0
4	Monte Carlo-Based Localization for Kidnapped Robot Problem. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 101-109.	0.5	0
5	Kinect and Manipulator-Based Sample Collection System for Military Robot. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 75-87.	0.5	0
6	R-3RPS Robot-Based Mathematical Modeling for a Military Flight Simulator. <i>Lecture Notes in Computer Science</i> , 2019, , 531-541.	1.0	0
7	Monocular Vision-Based Dynamic Moving Obstacles Detection and Avoidance. <i>Lecture Notes in Computer Science</i> , 2019, , 386-398.	1.0	2
8	Path Planning Based Navigation Using LIDAR for an Ackerman Unmanned Ground Vehicle. <i>Lecture Notes in Computer Science</i> , 2019, , 399-410.	1.0	5
9	Landmark Based Eye Ratio Estimation for Driver Fatigue Detection. <i>Lecture Notes in Computer Science</i> , 2019, , 565-576.	1.0	4
10	HSVM-Based Human Activity Recognition Using Smartphones. <i>Lecture Notes in Computer Science</i> , 2019, , 217-228.	1.0	1
11	Convolutional Neuronal Networks Based Monocular Object Detection and Depth Perception for Micro UAVs. <i>Lecture Notes in Computer Science</i> , 2018, , 401-410.	1.0	4
12	Monocular Depth Perception on a Micro-UAV Using Convolutional Neuronal Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 392-397.	1.0	0
13	On-Board Target Virtualization Using Image Features for UAV Autonomous Tracking. <i>Lecture Notes in Computer Science</i> , 2018, , 384-391.	1.0	4
14	RRT Path Planning and Morphological Segmentation Based Navigation for a Tetrapod Robot. <i>Lecture Notes in Computer Science</i> , 2018, , 273-280.	1.0	1
15	Visual Based Autonomous Navigation for Legged Robots. <i>Lecture Notes in Computer Science</i> , 2018, , 22-34.	1.0	3
16	Homography and Morphological Detection-Based Virtual Shooting Range. <i>Lecture Notes in Computer Science</i> , 2018, , 267-272.	1.0	3
17	Simulation System Based on Augmented Reality for Optimization of Training Tactics on Military Operations. <i>Lecture Notes in Computer Science</i> , 2018, , 394-403.	1.0	16
18	Robust Motion Estimation Based on Multiple Monocular Camera for Indoor Autonomous Navigation of Micro Aerial Vehicle. <i>Lecture Notes in Computer Science</i> , 2018, , 547-561.	1.0	10

#	ARTICLE	IF	CITATIONS
19	SVM and RGB-D Sensor Based Gesture Recognition for UAV Control. Lecture Notes in Computer Science, 2018, , 713-719.	1.0	11
20	Real-Time Detection and Simulation of Abnormal Crowd Behavior. Lecture Notes in Computer Science, 2017, , 420-428.	1.0	11
21	RRT* GL Based Path Planning for Virtual Aerial Navigation. Lecture Notes in Computer Science, 2017, , 176-184.	1.0	3
22	Real-Time 3D Modeling with a RGB-D Camera and On-Board Processing. Lecture Notes in Computer Science, 2017, , 410-419.	1.0	15
23	Autonomous Navigation Control for Quadrotors in Trajectories Tracking. Lecture Notes in Computer Science, 2017, , 287-297.	1.0	4
24	On-Board Visual SLAM on a UGV Using a RGB-D Camera. Lecture Notes in Computer Science, 2017, , 298-308.	1.0	17
25	Onboard Video Stabilization for Rotorcrafts. Lecture Notes in Computer Science, 2017, , 695-702.	1.0	0
26	Statistical Abnormal Crowd Behavior Detection and Simulation for Real-Time Applications. Lecture Notes in Computer Science, 2017, , 671-682.	1.0	15
27	Driver Fatigue Detection Based on Real-Time Eye Gaze Pattern Analysis. Lecture Notes in Computer Science, 2017, , 683-694.	1.0	6
28	Developing of a Video-Based Model for UAV Autonomous Navigation. Communications in Computer and Information Science, 2017, , 94-105.	0.4	26
29	Cascade classifiers based robust pedestrian detection. , 2017, , .		0
30	Obstacle Avoidance Based-Visual Navigation for Micro Aerial Vehicles. Electronics (Switzerland), 2017, 6, 10.	1.8	71
31	Pedestrian Detection for UAVs Using Cascade Classifiers and Saliency Maps. Lecture Notes in Computer Science, 2017, , 563-574.	1.0	25
32	Obstacle Avoidance for Flight Safety on Unmanned Aerial Vehicles. Lecture Notes in Computer Science, 2017, , 575-584.	1.0	16
33	RRT* GL Based Optimal Path Planning for Real-Time Navigation of UAVs. Lecture Notes in Computer Science, 2017, , 585-595.	1.0	26
34	Visual SLAM with a RGB-D Camera on a Quadrotor UAV Using on-Board Processing. Lecture Notes in Computer Science, 2017, , 596-606.	1.0	30
35	Math Model of UAV Multi Rotor Prototype with Fixed Wing Aerodynamic Structure for a Flight Simulator. Lecture Notes in Computer Science, 2017, , 199-211.	1.0	15
36	Cascade Classifiers and Saliency Maps Based People Detection. Lecture Notes in Computer Science, 2017, , 501-510.	1.0	14

#	ARTICLE	IF	CITATIONS
37	3D Environment Mapping Using the Kinect V2 and Path Planning Based on RRT Algorithms. Electronics (Switzerland), 2016, 5, 70.	1.8	62
38	Real-Time Model-Based Video Stabilization for Microaerial Vehicles. Neural Processing Letters, 2016, 43, 459-477.	2.0	64
39	ROBOT SALAMANDRA ANFIBIO CON LOCOMOCI3N BIOINSPIRADA. Ingenius: Revista De Ciencia Y TecnologÃa, 2016, , 51.	0.1	0
40	ROBOT M3VIL CON NAVEGACI3N BASADA EN VISI3N Y DETECCI3N DE PEATONES. Ingenius: Revista De Ciencia Y TecnologÃa, 2016, , 67.	0.1	0
41	Real-time video stabilization without phantom movements for micro aerial vehicles. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	50
42	Robust video stabilization based on motion intention for low-cost micro aerial vehicles. , 2014, , .		27
43	Haptic-based navigation for the virtual bronchoscopy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9638-9643.	0.4	19