Mohammad Sarim

List of Publications by Year
in descending order

16 papers	295 citations	1937685 4 h-index	2053705 5 g-index
16 all docs	16 docs citations	16 times ranked	245 citing authors

#	Article	IF	Citations
1	Overview of Path-Planning and Obstacle Avoidance Algorithms for UAVs: A Comparative Study. Unmanned Systems, 2018, 06, 95-118.	3.6	142
2	Grey wolf optimization based sense and avoid algorithm in a Bayesian framework for multiple UAV path planning in an uncertain environment. Aerospace Science and Technology, 2018, 77, 168-179.	4.8	56
3	Dynamic optimal UAV trajectory planning in the National Airspace System via mixed integer linear programming. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1668-1682.	1.3	38
4	Distributed Detect-and-Avoid for Multiple Unmanned Aerial Vehicles in National Air Space. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	13
5	Autonomous Navigation of UAV through GPS-Denied Indoor Environment with Obstacles. , 2015, , .		8
6	Design, Fabrication and Control of a Tilt Rotor Quadcopter. , 2016, , .		7
7	Flight Formation of Quad-Copters in Presence of Dynamic Obstacles Using Mixed Integer Linear Programming. , 2015, , .		5
8	Solution of Traveling Salesman Problem with Hotel Selection in the framework of MILP-tropical optimization. , 2016, , .		5
9	Extended Kalman Filter Based Quadrotor State Estimation Based on Asynchronous Multisensor Data. , 2015, , .		4
10	An Artificial Brain Mechanism to Develop a Learning Paradigm for Robot Navigation. , 2016, , .		4
11	Ultra-low energy neuromorphic device based navigation approach for biomimetic robots. , 2016, , .		4
12	Distributed Bidding-Based Detect-and-Avoid for Multiple Unmanned Aerial Vehicles in National Airspace. , 2019, , .		3
13	Autonomous Wall-Following Based Navigation of Unmanned Aerial Vehicles in Indoor Environments. , 2015, , .		2
14	On the Effect of Different Splines on Way-Point Navigation of Quad-Copters. , 2016, , .		2
15	Memristive device based learning for navigation in robots. Bioinspiration and Biomimetics, 2017, 12, 066011.	2.9	2
16	Neuromorphic device specifications for unsupervised learning in robots. , 2017, , .		0