

# Mohamed Okasha

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

159  
citations

1478505

6  
h-index

1372567

10  
g-index

19  
all docs

19  
docs citations

19  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model Predictive Control (MPC) Approach on Unit Quaternion Orientation Based Quadrotor for Trajectory Tracking. International Journal of Control, Automation and Systems, 2019, 17, 2819-2832.	2.7	41
2	Design and Experimental Comparison of PID, LQR and MPC Stabilizing Controllers for Parrot Mambo Mini-Drone. Aerospace, 2022, 9, 298.	2.2	24
3	Guidance and control for satellite in-orbit-self-assembly proximity operations. Aerospace Science and Technology, 2015, 41, 289-302.	4.8	19
4	Trajectory tracking in quadrotor platform by using PD controller and LQR control approach. IOP Conference Series: Materials Science and Engineering, 2017, 260, 012026.	0.6	17
5	A Comparative Study of PD, LQR and MPC on Quadrotor Using Quaternion Approach. , 2019, , .		12
6	Guidance, Navigation and Control for Satellite Proximity Operations using Tschauner-Hempel Equations. Journal of the Astronautical Sciences, 2013, 60, 109-136.	1.5	9
7	Guidance, Navigation and Control for Satellite Proximity Operations using Tschauner-Hempel Equations. , 2011, , .		7
8	Modeling, Dynamics and Control of Spacecraft Relative Motion in a Perturbed Keplerian Orbit. International Journal of Aeronautical and Space Sciences, 2015, 16, 77-88.	2.0	7
9	Relative Motion and Autonomous Rendezvous in Keplerian Elliptic Orbits. , 2010, , .		5
10	Switching Algorithm to Avoid Attitude Representation Singularity. , 2009, , .		4
11	Low Inclination Circular Orbits for Remote Sensing Satellites. Applied Mechanics and Materials, 0, 629, 298-303.	0.2	4
12	Autonomous Multi Satellites Assembly in Keplerian Orbits. , 2013, , .		3
13	Real-Time Artificial Intelligence Based Visual Simultaneous Localization and Mapping in Dynamic Environments " a Review. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	3
14	A mixed control system for active suspension for off-road vehicles. International Journal of Vehicle Noise and Vibration, 2016, 12, 101.	0.1	1
15	Transient flow in a compressor blade row for a periodic vibration motion. IOP Conference Series: Materials Science and Engineering, 2018, 290, 012055.	0.6	1
16	Relative Motion Guidance, Navigation and Control for Autonomous Orbital Rendezvous. Journal of Aerospace Technology and Management, 2014, 6, 301-318.	0.3	1
17	Design and Realization of a Nanosatellite for Malaysia SiswaSAT Competition 2020. , 2020, , .		1
18	Switching Principles to Circumvent Euler Angle Singularity. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	Guidance Solutions for Multiple Vehicle Assembly. Advanced Materials Research, 2014, 1016, 797-801.	0.3	0