

M Navabi

List of Publications by Year in descending order

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33
papers

388
citations

1163117

8
h-index

1474206

9
g-index

33
all docs

33
docs citations

33
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Optimal Adaptive Trajectory Tracking Control of Quadrotor Helicopter. Latin American Journal of Solids and Structures, 2017, 14, 1040-1063.	1.0	33
2	Mathematical modeling and simulation of the earth's magnetic field: A comparative study of the models on the spacecraft attitude control application. Applied Mathematical Modelling, 2017, 46, 365-381.	4.2	31
3	Modeling and numerical simulation of linear and nonlinear spacecraft attitude dynamics and gravity gradient moments: A comparative study. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1065-1084.	3.3	30
4	Nonlinear Optimal Control of Relative Rotational and Translational Motion of Spacecraft Rendezvous. Journal of Aerospace Engineering, 2017, 30, .	1.4	27
5	Spacecraft quaternion based attitude input-output feedback linearization control using reaction wheels. , 2017, , .		23
6	Optimum fuzzy sliding mode control of fuel sloshing in a spacecraft using PSO algorithm. Acta Astronautica, 2020, 167, 331-342.	3.2	23
7	Modeling and control of a nonlinear coupled spacecraft-fuel system. Acta Astronautica, 2019, 162, 436-446.	3.2	20
8	\hat{I}_D based nonlinear tracking control of quadcopter. , 2016, , .		17
9	Space low-thrust trajectory optimization utilizing numerical techniques, a comparative study. , 2013, , .		15
10	A comparative study of dynamics models for satellite formation flying - Cartesian ordinary differential equations description. , 2011, , .		14
11	Optimal impulsive orbital transfer between coplanar-noncoaxial orbits, local and global solutions. , 2011, , .		14
12	Algebraic orbit elements difference description of dynamics models for satellite formation flying. , 2013, , .		14
13	Establishment of satellite formation with initial uncertainty by control Lyapunov function approach. Journal of Aerospace Technology and Management, 2012, 4, 7-14.	0.3	14
14	Trajectory tracking of under-actuated quadcopter using Lyapunov-based optimum adaptive controller. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 202-215.	1.3	13
15	Simulating the earth magnetic field according to the 10 th generation of IGRF coefficients for spacecraft attitude control applications. , 2011, , .		12
16	3D multi-pendulum model of slosh dynamics in a spacecraft. , 2017, , .		12
17	Fuzzy control of fuel sloshing in a spacecraft. , 2018, , .		11
18	Immersion and invariance based adaptive control of aerial robot in presence of inertia uncertainty. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
19	Quaternion based fuzzy gain scheduled PD law for spacecraft attitude control. , 2018, , .		9
20	Adaptive feedback linearization control of space robots. , 2017, , .		7
21	3D modeling and control of fuel sloshing in a spacecraft. , 2017, , .		7
22	Optimum Design of Robust Adaptive Controller with Actuator Constraints. International Journal of Control, Automation and Systems, 2020, 18, 2734-2741.	2.7	7
23	Nonlinear Control of a Space Robot with Slosh Dynamics in Two Dimension. , 2018, , .		5
24	Design of a Robust Controller Using Real Twisting Algorithm for a Fixed Wing Airplane. , 2019, , .		5
25	Integrated adaptive backstepping attitude control of spacecraft. , 2017, , .		4
26	Design of Optimal Adaptive Control for Satellite Attitude in Presence of Uncertainty in Moment of Inertia. , 2019, , .		3
27	2D Modeling and Fuzzy Control of Slosh Dynamics in a Spacecraft. , 2019, , .		2
28	Satellite Attitude Control by Predictive Filtered Error in the Presence of Uncertainty and Modeled Disturbance. , 2019, , .		2
29	A Hybrid PSO Fuzzy-MRAC Controller Based on EULERINT for Satellite Attitude Control. , 2020, , .		2
30	Tracking and Predictive Error-Based Adaptive Control of Aerial Vehicle in the Presence of Uncertainty. , 2019, , .		1
31	Nonlinear Attitude Control of Satellite Using Optimal Adaptive and Fuzzy Control Methods. , 2020, , .		1
32	A numerical comparative study of propagation models, the Cosmos2251 and Iridium33 satellites collision case study. , 2011, , .		0
33	A robust meta-heuristic adaptive Bi-CGSTAB algorithm to online estimation of a three DoF stateâ€‘space model in the presence of disturbance and uncertainty. International Journal of Systems Science, 0, , 1-18.	5.5	0