

Payam Zarafshan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

196
citations

1478505

6
h-index

1281871

11
g-index

34
all docs

34
docs citations

34
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Stabilization Algorithm for a Two-Wheeled Mobile Robot Aided by Reaction Wheel. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	22
2	Curvature-based pattern recognition for cultivar classification of Anthurium flowers. Postharvest Biology and Technology, 2018, 139, 67-74.	6.0	18
3	Design, fabrication, and evaluation a laboratory dry-peeling system for hazelnut using infrared radiation. LWT - Food Science and Technology, 2018, 90, 570-576.	5.2	14
4	Dynamics modeling and attitude control of a flexible space system with active stabilizers. Nonlinear Dynamics, 2016, 84, 2535-2545.	5.2	13
5	Optimal control of an Aerial Robot. , 2008, , .		10
6	Manipulation control of a space robot with flexible solar panels. , 2010, , .		10
7	Control of a space robot with flexible members. , 2011, , .		10
8	Study the Heat Recovery Performance of Micro and Nano Metfoam Regenerators in Alpha Type Stirling Engine Conditions. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 137-151.	2.6	10
9	Dynamics modelling and implementation of an attitude control on an Octorotor. , 2015, , .		8
10	A novel image processing framework to detect geometrical features of horticultural crops: case study of Anthurium flowers. Scientia Horticulturae, 2019, 243, 414-420.	3.6	8
11	Rigidâ€flexible interactive dynamics modelling approach. Mathematical and Computer Modelling of Dynamical Systems, 2012, 18, 175-199.	2.2	7
12	Design and fabrication of an autonomous Octorotor flying robot. , 2015, , .		7
13	Numerical Modeling and Evaluation of PEM Used for Fuel Cell Vehicles. Materials, 2021, 14, 7907.	2.9	7
14	Stabilized supervising control of a two Wheel Mobile Manipulator. , 2013, , .		6
15	Explicit dynamics of redundant parallel cable robots. Nonlinear Dynamics, 2018, 94, 2077-2096.	5.2	6
16	Dynamics modelling and stable motion control of a Ballbot equipped with a manipulator. , 2013, , .		5
17	Manipulation control of an armed Ballbot with stabilizer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 429-439.	1.0	5
18	Rapid and safe wire tension distribution scheme for redundant cable-driven parallel manipulators. Robotica, 0, , 1-14.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Fuzzy Tuning Manipulation Control of a space robot with passive flexible solar panels. , 2011, , .		4
20	Dynamics modelling and control of a strawberry harvesting robot. , 2015, , .		4
21	Sensory feedback performance improvement on RoboCab: An experimental approach to wire-driven parallel manipulator. , 2016, , .		4
22	Which impedance strategy is the most effective for cooperative object manipulation?. Industrial Robot, 2017, 44, 198-209.	2.1	4
23	Damping control of a quadrotor with swinging load using input shaping method. , 2014, , .		2
24	Dynamics modelling and control of a fluidized bed dryer. , 2016, , .		2
25	Adaptive hybrid suppression control of a wheeled mobile robot with active flexible members. , 2011, , .		1
26	Conceptual design of a lower limb motion assist robot with bodyweight support. , 2014, , .		1
27	Experimental stability study of an Octorotor using an intelligent controller. , 2016, , .		1
28	Back-Stepping Sliding Mode Control of Quadrotor under Dynamic Uncertainties. , 2017, , .		1
29	Experimental Analysis of an Optimal Redundancy Resolution Scheme in a Cable-Driven Parallel Robot. , 2017, , .		1
30	Adaptive hybrid suppression control using piezoelectric patches on flexible solar panels. , 2011, , .		0
31	Hybrid Piecewise Affine Modeling of Cement Grinding Mechatronic Systems. , 2017, , .		0
32	Continuous Contact Models for Space Manipulators Capturing Free-Floating Objects. , 2017, , .		0
33	Experimental Analysis of an Optimal Redundancy Resolution Scheme in a Cable-Driven Parallel Robot. , 2017, , .		0
34	Comparison study of the effect modeling of flow parameters on the membrane clarification efficiency for pomegranate juice. Engineering in Agriculture, Environment and Food, 2019, 12, 379-387.	0.5	0