

Sevak Tahmasian

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

138
citations

1478458

6
h-index

1372553

10
g-index

14
all docs

14
docs citations

14
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	The need for higher-order averaging in the stability analysis of hovering, flapping-wing flight. <i>Bioinspiration and Biomimetics</i> , 2015, 10, 016002.	2.9	63
2	A Control Design Method for Underactuated Mechanical Systems Using High-Frequency Inputs. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	1.6	13
3	Flight Control of Biomimetic Air Vehicles Using Vibrational Control and Averaging. <i>Journal of Nonlinear Science</i> , 2017, 27, 1193-1214.	2.1	12
4	Control of gliding in a flying snake-inspired n-chain model. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 066002.	2.9	10
5	On averaging and input optimization of high-frequency mechanical control systems. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 937-955.	2.6	7
6	Vibrational control of mechanical systems with piecewise linear damping and high-frequency inputs. <i>Nonlinear Dynamics</i> , 2020, 99, 1403-1413.	5.2	7
7	Dynamic analysis and optimal control of drag-based vibratory systems using averaging. <i>Nonlinear Dynamics</i> , 2021, 104, 2201-2217.	5.2	6
8	Control of underactuated mechanical systems using high frequency input. , 2013, , .		5
9	Dynamic Analysis and Design Optimization of a Drag-Based Vibratory Swimmer. <i>Fluids</i> , 2020, 5, 38.	1.7	5
10	Longitudinal flight control of flapping wing micro air vehicles. , 2014, , .		4
11	On Vibrational Stabilization of a Horizontal Pendulum. , 2016, , .		2
12	On Averaging and Vibrational Control of Mechanical Systems With Multifrequency Inputs. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, .	1.6	2
13	On closed-loop vibrational control of underactuated mechanical systems. <i>Nonlinear Dynamics</i> , 2022, 108, 329-347.	5.2	2
14	A Combined Geometric-Control-Averaging to Optimum Trim of Hovering FWMAVs and Insects. , 2016, , .		0