

Uzair

List of Publications by Year in descending order

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149
citing authors

#	ARTICLE	IF	CITATIONS
1	Three degrees of freedom rotary double inverted pendulum stabilization by using robust generalized dynamic inversion control: Design and experiments. JVC/Journal of Vibration and Control, 2020, 26, 2174-2184.	2.6	13
2	Underactuated rotary inverted pendulum control using robust generalized dynamic inversion. JVC/Journal of Vibration and Control, 2020, 26, 2210-2220.	2.6	13
3	Highly maneuvering target interception via robust generalized dynamic inversion homing guidance and control. Aerospace Science and Technology, 2020, 99, 105749.	4.8	8
4	Adaptive Robust Generalized Dynamic Inversion Quadrotor Control. IFAC-PapersOnLine, 2020, 53, 3841-3846.	0.9	1
5	Design and Implementation of Robust Generalized Dynamic Inversion Control for Stabilizing Rotary Inverted Pendulum. , 2019, , .		0
6	Tracking Control of Quadrotor using Generalized Dynamic Inversion with Constant-Proportional Rate Reaching Law. , 2019, , .		1
7	Development and experimental investigation of a Quadrotor's robust generalized dynamic inversion control system. Nonlinear Dynamics, 2019, 96, 1541-1557.	5.2	20
8	Angular Position Control of Twin Rotor MIMO System using Generalized Dynamic Inversion with Switching Surface. , 2019, , .		2
9	Autonomous Underwater Vehicles Attitude control using Neuro-Adaptive Generalized Dynamic Inversion. IFAC-PapersOnLine, 2019, 52, 103-109.	0.9	6
10	Quadrotor Control using Neuro-Adaptive Robust Generalized Dynamic Inversion. , 2019, , .		1
11	Twin-rotor Attitude Control using Adaptive Generalized Dynamic Inversion with Neural Estimation. , 2019, , .		0
12	Nonlinear Robust Generalized Dynamic Inversion based Homing Guidance and Control of Aerial Interceptors. IFAC-PapersOnLine, 2019, 52, 219-226.	0.9	0
13	Quadrotor Control Via Robust Generalized Dynamic Inversion and Adaptive Non-Singular Terminal Sliding Mode. Asian Journal of Control, 2019, 21, 1237-1249.	3.0	59
14	Control of Twin Rotor MIMO System using Robust Generalized Dynamic Inversion. , 2018, , .		0
15	Robust Generalized Dynamic Inversion Control for Stabilizing Rotary Double Inverted Pendulum. , 2018, , .		1
16	Hybrid Direct-Indirect Adaptive Generalized Dynamic Inversion Based Attitude Control of Autonomous Underwater Vehicles. , 2018, , .		6
17	Aircraft Motion Decoupling of Roll and Yaw Dynamics Using Generalized Dynamic Inversion Control. , 2018, , .		16
18	Adaptive Generalized Dynamic Inversion Based Trajectory Tracking Control of Autonomous Underwater Vehicle. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
19	Quadrotor Motion Control using Adaptive Generalized Dynamic Inversion. , 2018, , .		12
20	Positional control of rotary servo cart system using generalized dynamic inversion. Journal of Vibroengineering, 2018, 20, 2403-2413.	1.0	10
21	Robust Generalized Dynamic Inversion Quadrotor Control. IFAC-PapersOnLine, 2017, 50, 8181-8188.	0.9	22
22	Robust launch vehicle's generalized dynamic inversion attitude control. Aircraft Engineering and Aerospace Technology, 2017, 89, 902-910.	1.2	28
23	Robust Generalized Dynamic Inversion Control of Autonomous Underwater Vehicles. IFAC-PapersOnLine, 2017, 50, 10658-10665.	0.9	16
24	Generalized Dynamic Inversion based Attitude Control of Autonomous Underwater Vehicles. IFAC-PapersOnLine, 2016, 49, 582-589.	0.9	13
25	Guidance and robust generalized inversion based attitude control of Satellite Launch Vehicle. , 2016, , .		9
26	Generalized Dynamic Inversion Scheme for Satellite Launch Vehicle Attitude Control. IFAC-PapersOnLine, 2015, 48, 114-119.	0.9	14
27	Quadrotor control using generalized dynamic inversion and terminal sliding mode. , 2015, , .		12