

Hamed Jabbari Asl

List of Publications by Year in descending order

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papers

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all docs

33
docs citations

33
times ranked

522
citing authors

#	ARTICLE	IF	CITATIONS
1	Power capture optimization of variable-speed wind turbines using an output feedback controller. Renewable Energy, 2016, 86, 517-525.	8.9	66
2	Vision-based control of a quadrotor utilizing artificial neural networks for tracking of moving targets. Engineering Applications of Artificial Intelligence, 2017, 58, 34-48.	8.1	54
3	Field-Based Assist-as-Needed Control Schemes for Rehabilitation Robots. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2100-2111.	5.8	45
4	Adaptive neural network control of cable-driven parallel robots with input saturation. Engineering Applications of Artificial Intelligence, 2017, 65, 252-260.	8.1	35
5	Robust image-based control of the quadrotor unmanned aerial vehicle. Nonlinear Dynamics, 2016, 85, 2035-2048.	5.2	27
6	Adaptive vision-based control of an unmanned aerial vehicle without linear velocity measurements. ISA Transactions, 2016, 65, 296-306.	5.7	26
7	Robust vision-based control of an underactuated flying robot tracking a moving target. Transactions of the Institute of Measurement and Control, 2014, 36, 411-424.	1.7	24
8	Bounded-input prescribed performance control of uncertain Euler-Lagrange systems. IET Control Theory and Applications, 2019, 13, 17-26.	2.1	24
9	AN ADAPTIVE SCHEME FOR IMAGE-BASED VISUAL SERVOING OF AN UNDERACTUATED UAV. International Journal of Robotics and Automation, 2014, 29, .	0.1	22
10	Robust trajectory tracking control of cable-driven parallel robots. Nonlinear Dynamics, 2017, 89, 2769-2784.	5.2	21
11	Output feedback image-based visual servoing control of an underactuated unmanned aerial vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 435-448.	1.0	20
12	An assist-as-needed control scheme for robot-assisted rehabilitation. , 2017, , .		20
13	Bounded-input Control of the Quadrotor Unmanned Aerial Vehicle: A Vision-Based Approach. Asian Journal of Control, 2017, 19, 840-855.	3.0	19
14	Robust vision-based tracking control of VTOL unmanned aerial vehicles. Automatica, 2019, 107, 425-432.	5.0	18
15	Neural network-based bounded control of robotic exoskeletons without velocity measurements. Control Engineering Practice, 2018, 80, 94-104.	5.5	17
16	Adaptive neural network-based saturated control of robotic exoskeletons. Nonlinear Dynamics, 2018, 94, 123-139.	5.2	14
17	Neural network velocity field control of robotic exoskeletons with bounded input. , 2017, , .		13
18	An Assist-as-Needed Velocity Field Control Scheme for Rehabilitation Robots. , 2018, , .		13

#	ARTICLE	IF	CITATIONS
19	Adaptive control of variable-speed wind turbines for power capture optimisation. Transactions of the Institute of Measurement and Control, 2017, 39, 1663-1672.	1.7	12
20	Stable assist-as-needed controller design for a planar cable-driven robotic system. International Journal of Control, Automation and Systems, 2017, 15, 2871-2882.	2.7	11
21	Satisfying Task Completion and Assist-as-Needed Performance in Robotic Exoskeletons. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 791-800.	3.2	11
22	Band-Stop Filter Analysis and Design for 1D Magnetic Particle Imaging Hybrid System. Journal of Nanoscience and Nanotechnology, 2016, 16, 8492-8495.	0.9	10
23	Vision-based control of an underactuated flying robot with input delay. Transactions of the Institute of Measurement and Control, 2018, 40, 446-455.	1.7	8
24	Saturated input consensus algorithms for perturbed double-integrator systems without velocity measurements. Systems and Control Letters, 2019, 133, 104528.	2.3	6
25	RISE-based prescribed performance control of Euler-Lagrange systems. Journal of the Franklin Institute, 2019, 356, 7144-7163.	3.4	6
26	Asymptotic Vision-Based Tracking Control of the Quadrotor Aerial Vehicle. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	5
27	Real-time Recognition and Pursuit in Robots Based on 3D Depth Data. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 587-600.	3.4	4
28	Augmenting human power by assistive robots: Application of adaptive neural networks. Control Engineering Practice, 2021, 110, 104769.	5.5	4
29	Neural network-based asymptotic tracking control of unknown nonlinear systems with continuous control command. International Journal of Control, 2020, 93, 971-979.	1.9	3
30	Output Feedback Control of an Uncertain Input-Delayed Nonlinear System with Bounded Control Commands. Journal of the Franklin Institute, 2022, , .	3.4	1
31	Analysis of the Linearity and Shift Invariance Characteristics of the X -Space Magnetic Particle Imaging. Journal of Nanoscience and Nanotechnology, 2016, 16, 8683-8686.	0.9	0
32	An Assist-as-Needed Impedance Controller for Rehabilitation Robots. Lecture Notes in Computer Science, 2019, , 109-118.	1.3	0
33	Assist-as-Needed Adaptive Velocity Field Control of Power Assist Robot. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 529-535.	0.2	0