

Alireza Izadbakhsh

List of Publications by Year in descending order

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papers

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516215

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docs citations

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times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos synchronization using q-Chlodowsky operators as uncertainty approximator. JVC/Journal of Vibration and Control, 2023, 29, 4107-4117.	1.5	1
2	Robust adaptive controllerâ€“observer scheme for robot manipulators: a Bernsteinâ€“Stancu approach. Robotica, 2022, 40, 1309-1325.	1.3	10
3	FAT-based robust adaptive control of cooperative multiple manipulators without velocity measurement. Robotica, 2022, 40, 1732-1762.	1.3	9
4	An observer-based output tracking controller for electrically driven cooperative multiple manipulators with adaptive Bernstein-type approximator. Robotica, 2022, 40, 2295-2319.	1.3	7
5	Cooperative and robust object handling by multiple manipulators based on the differential equation approximator. ISA Transactions, 2022, 128, 68-80.	3.1	8
6	Observerâ€“based adaptive control of cooperative multiple manipulators using the Mastroianni operators as uncertainty approximator. International Journal of Robust and Nonlinear Control, 2022, 32, 3625-3646.	2.1	6
7	Observerâ€“based adaptive controller design for chaos synchronization using Bernsteinâ€“type operators. International Journal of Robust and Nonlinear Control, 2022, 32, 4318-4335.	2.1	4
8	Robust adaptive control of cooperative multiple manipulators based on the Stancuâ€“Chlodowsky universal approximator. Communications in Nonlinear Science and Numerical Simulation, 2022, 111, 106471.	1.7	4
9	Effects of Channel Dimension and Doping Concentration of Source and Drain Contacts on GNRFET Performance. Silicon, 2021, 13, 3337-3350.	1.8	7
10	A note on the â€“task-space control of robots using an adaptive Taylor series uncertainty estimatorâ€“TM. International Journal of Control, 2021, 94, 722-723.	1.2	6
11	Polynomial-Based Robust Adaptive Impedance Control of Electrically Driven Robots. Robotica, 2021, 39, 1181-1201.	1.3	11
12	Neural control of robot manipulators considering motor voltage saturation: performance evaluation and experimental validation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2021, 40, 27-29.	0.5	8
13	Observer-based adaptive control for HIV infection therapy using the Baskakov operator. Biomedical Signal Processing and Control, 2021, 65, 102343.	3.5	18
14	<sc>SzÃ¡szâ€“Mirakyan</sc>-based adaptive controller design for chaotic synchronization. International Journal of Robust and Nonlinear Control, 2021, 31, 1689-1703.	2.1	22
15	A note on â€œFractional-order adaptive backstepping control of robotic manipulators in the presence of model uncertainties and external disturbancesâ€“, Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	0
16	Chaos synchronization using differential equations as extended state observer. Chaos, Solitons and Fractals, 2021, 153, 111433.	2.5	16
17	Robust adaptive impedance control of robot manipulators using SzÃ¡szâ€“Mirakyan operator as universal approximator. ISA Transactions, 2020, 106, 1-11.	3.1	42
18	Observer-based adaptive fractional-order control of flexible-joint robots using the Fourier series expansion: theory and experiment. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	21

#	ARTICLE	IF	CITATIONS
19	Robust adaptive control of robot manipulators using Bernstein polynomials as universal approximator. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 2719-2735.	2.1	34
20	Single-loop versus multi-loop control strategies for electrically driven robots with elastic joint. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	3
21	Single-loop PID controller design for electrical flexible-joint robots. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	12
22	Multi-stage CMOS amplifier frequency compensation using a single MOSCAP. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 103, 237-246.	0.9	6
23	An alternative stability proof for robust control of electrically driven robots using adaptive uncertainty estimation. <i>Computers and Electrical Engineering</i> , 2019, 78, 63-68.	3.0	0
24	Robust Adaptive Control of Over-Constrained Actuated Cable-Driven Parallel Robots. <i>Mechanisms and Machine Science</i> , 2019, , 209-220.	0.3	15
25	Tracking Control of Electrically Driven Robots Using a Model-free Observer. <i>Robotica</i> , 2019, 37, 729-755.	1.3	19
26	FAT-Based Robust Adaptive Control of Electrically Driven Robots in Interaction with Environment. <i>Robotica</i> , 2019, 37, 779-800.	1.3	22
27	Adaptive fractional-order control of electrical flexible-joint robots: Theory and experiment. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019, 233, 1136-1145.	0.7	20
28	An alternative stability proof for adaptive type-2 fuzzy estimation of uncertainties in the control of electrically flexible-joint robots. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 977-983.	1.5	13
29	Robust impedance control of robot manipulators using differential equations as universal approximator. <i>International Journal of Control</i> , 2018, 91, 2170-2186.	1.2	26
30	Recurrent neural network based second order sliding mode control of redundant robot manipulators. , 2018, , .		3
31	On the Voltage-based Control of Robot Manipulators Revisited. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1887-1894.	1.6	12
32	Nonlinear PID control of electrical flexible joint robots-Theory and experimental verification. , 2018, , .		10
33	FAT-based robust adaptive control of electrically driven robots without velocity measurements. <i>Nonlinear Dynamics</i> , 2017, 89, 289-304.	2.7	53
34	FAT-based robust adaptive control of flexible-joint robots: Singular perturbation approach. , 2017, , .		14
35	Robust task-space control of robot manipulators using differential equations for uncertainty estimation. <i>Robotica</i> , 2017, 35, 1923-1938.	1.3	36
36	A note on the nonlinear control of electrical flexible-joint robots. <i>Nonlinear Dynamics</i> , 2017, 89, 2753-2767.	2.7	25

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37	Robust control design for rigid-link flexible-joint electrically driven robot subjected to constraint: theory and experimental verification. <i>Nonlinear Dynamics</i> , 2016, 85, 751-765.	2.7	56
38	Robust Lyapunov-Based Control of Flexible-Joint Robots Using Voltage Control Strategy. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 3111-3121.	1.1	23
39	Real-time robust adaptive control of robots subjected to actuator voltage constraint. <i>Nonlinear Dynamics</i> , 2014, 78, 1999-2014.	2.7	30
40	A robust anti-windup control design for electrically driven robots " Theory and experiment. <i>International Journal of Control, Automation and Systems</i> , 2011, 9, 1005-1012.	1.6	33
41	Endpoint perfect tracking control of robots " A robust non inversion-based approach. <i>International Journal of Control, Automation and Systems</i> , 2009, 7, 888-898.	1.6	29
42	Closed-form dynamic model of PUMA 560 robot arm. , 2009, , .		11
43	Robust control methodologies for optical micro electro mechanical system - new approaches and comparison. , 2008, , .		11
44	FAT-based robust adaptive controller design for electrically direct-driven robots using Phillips q-Bernstein operators. <i>Robotica</i> , 0, , 1-20.	1.3	4