Farzad Hashemzadeh

List of Publications by Year
in descending order

67	1,202	759233	395702
papers	citations	12	33
		h-index	g-index

67	67	67	1163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity analysis of the bullwhip effect in supply chains with time delay. International Journal of Systems Science: Operations and Logistics, 2023, 10, .	3.0	3
2	Further enhancement on H_{∞} sliding mode control design for singular Markovian jump systems with partly known transition probabilities. JVC/Journal of Vibration and Control, 2022, 28, 1187-1199.	2.6	1
3	Robust Finite-Time Contractive Fault Tolerant Control of Uncertain Nonlinear Network-Based Systems with Adaptive Event-Triggered Communication Scheme. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2022, 46, 141-155.	2.3	2
4	Event-triggered surrounding adaptive control of nonlinear multi-agent systems. ISA Transactions, 2022, 128, 44-57.	5.7	6
5	The Effect of Observer Position on Networked Control Systems with Random Transmission Delays and Packet Dropouts. , 2022, , .		0
6	Consensus Tracking of Multi-Agent Systems in The Presence of Byzantine Agents Using Model Predictive Control. , 2022, , .		0
7	Extended hybrid control scheme for asynchronous switching. Journal of the Franklin Institute, 2021, 358, 1693-1714.	3.4	1
8	Control for Leader–Follower Consensus of Multi-agent Systems with Actuator Faults Using Decentralized Robust Fault-tolerant Control. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 529-541.	2.3	5
9	Economic Model Predictive Controller Design with a New Cost Function for Linear Systems. , 2021, , .		0
10	Observer-based controller design for a class of networked control systems with transmission delays and packet losses. , 2021, , .		1
11	Delay-Robust Nonlinear Control of Bounded-Input Telerobotic Systems With Synchronization Enhancement. IEEE Robotics and Automation Letters, 2021, 6, 2493-2500.	5.1	5
12	Task-space synchronisation of nonlinear teleoperation with time-varying delays and actuator saturation. International Journal of Control, 2020, 93, 1328-1344.	1.9	12
13	Decentralized switched model-based predictive control for distributed large-scale systems with topology switching. Nonlinear Analysis: Hybrid Systems, 2020, 38, 100912.	3.5	11
14	Exponential stability of bilateral sampled-data teleoperation systems using multirate approach. ISA Transactions, 2020, 105, 190-197.	5.7	8
15	Prescribed performance distance-based formation control of Multi-Agent Systems. Automatica, 2020, 119, 109086.	5.0	98
16	Robust stabilization of a class of switched nonlinear systems with time-varying delay and parametric uncertainty under asynchronous switching. , 2020, , .		0
17	A New Fractional-order Control Method for Robust Synchronization Between Fractional-order Uncertain Permanent Magnet Synchronous Motors. , 2019, , .		5
18	A cooperative paradigm for task-space control of multilateral nonlinear teleoperation with bounded inputs and time-varying delays. Mechatronics, 2019, 62, 102255.	3.3	12

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19	A new observer based Robust output feedback Controller on Coaxial Tri-copter. , 2019, , .		0
20	Controlled Synchronization of Nonlinear Teleoperation in Task-space with Time-varying Delays. International Journal of Control, Automation and Systems, 2019, 17, 1875-1883.	2.7	10
21	Finite-time-estimation-based surrounding control for a class of unknown nonlinear multi-agent systems. Nonlinear Dynamics, 2019, 96, 1795-1804.	5.2	11
22	Robust stabilization of discrete-time switched systems with state delay and parametric uncertainty via model predictive control approach. , 2019, , .		4
23	Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , .		1
24	Task-Space Position and Containment Control of Redundant Manipulators with Bounded Inputs. , 2019, , .		1
25	Finite-Time Rigidity-Based Formation Maneuvering of Multiagent Systems Using Distributed Finite-Time Velocity Estimators. IEEE Transactions on Cybernetics, 2019, 49, 4473-4484.	9.5	38
26	An adaptive robust control scheme for robot manipulators with unknown backlash nonlinearity in gears. Transactions of the Institute of Measurement and Control, 2019, 41, 2789-2802.	1.7	12
27	Stability analysis of the linear discrete teleoperation systems with stochastic sampling and data dropout. European Journal of Control, 2018, 41, 63-71.	2.6	12
28	Scaled Consensus of Multi-agent Systems under Time Delay. , 2018, , .		1
29	An Optimized Controller for Region of Attraction Enlargment of Underactuated Systems Using Impulse Manifold Method. , 2018, , .		0
30	Consensus Control of Hierarchical Multi-agent Systems with Constant and Time-Varying Delays. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2018, 42, 479-484.	2.3	4
31	Adaptive surrounding control for linear multi-agent systems with unknown disturbance. IOP Conference Series: Materials Science and Engineering, 2018, 361, 012024.	0.6	2
32	Dual-user nonlinear teleoperation subjected to varying time delay and bounded inputs. ISA Transactions, 2017, 68, 33-47.	5.7	20
33	Surrounding control of nonlinear multi-agent systems with non-identical agents. ISA Transactions, 2017, 70, 219-227.	5.7	16
34	Position and force tracking in nonlinear teleoperation systems with sandwich linearity in actuators and time-varying delay. Mechanical Systems and Signal Processing, 2017, 86, 308-324.	8.0	35
35	Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , .		0
36	An analytical eigenvalue assignment of linear time-delay systems using Lambert W function. , 2017, , .		1

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37	Delay-independent Li controller for linear systems with time-varying delay. , 2017, , .		0
38	Distributed fault tolerant control and estimation for leader-follower consensus of multi-agent systems with actuator faults. , 2017, , .		2
39	On distance-based formation control: A nonlinear mapping approach and its applications. , 2017, , .		5
40	Position and velocity synchronization in bilateral teleoperation in presence of stochastic disturbances in control inputs. , 2017, , .		1
41	Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , .		0
42	Hybrid driven based robust stabilization for networked control systems. , 2017, , .		0
43	Time Optimal Control and Switching Curve Analysis for Caputo Fractional Systems. , 2016, , .		1
44	Nonlinear trilateral teleoperation stability analysis subjected to time-varying delays. Control Engineering Practice, 2016, 56, 123-135.	5.5	34
45	Scaled Consensus Tracking Under Constant Time Delay. IFAC-PapersOnLine, 2016, 49, 240-243.	0.9	7
46	Leader-Follower Fixed-Time Consensus for Multi-agent Systems with Heterogeneous Non-linear Inherent Dynamics. , 2016, , .		9
47	Optimal L1 control for linear time-delayed systems using GSA algorithm. , 2016, , .		8
48	State feedback time-optimal controller for linear systems with input delay. , 2015, , .		1
49	A new adaptive neural network based observer for robotic manipulators. , 2015, , .		6
50	Position and force tracking in nonlinear teleoperation systems under varying delays. Robotica, 2015, 33, 1003-1016.	1.9	48
51	A new robust observer-based adaptive type-2 fuzzy control for a class of nonlinear systems. Applied Soft Computing Journal, 2015, 37, 204-216.	7.2	30
52	Nonlinear disturbance observer design for robotic manipulators. Control Engineering Practice, 2013, 21, 253-267.	5.5	361
53	Teleoperation in the presence of varying time delays and sandwich linearity in actuators. Automatica, 2013, 49, 2813-2821.	5.0	59
54	A New Fractional Order Hold and Its Capability in Frequency Response and Zero Placement. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	1

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55	A New Method for Bilateral Teleoperation Passivity under Varying Time Delays. Mathematical Problems in Engineering, 2012, 2012, 1-19.	1.1	6
56	Adaptive Control for State Synchronization of Nonlinear Haptic Telerobotic Systems with Asymmetric Varying Time Delays. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 68, 245-259.	3.4	24
57	Adaptive control of nonlinear teleoperation systems with varying asymmetric time delays. , 2012, , .		4
58	Asymmetrical Gating with Application on Maneuvering Target Tracking. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-8.	2.3	0
59	Performance tuning for robot manipulators using intelligent robust controller. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2011, 225, 385-392.	1.0	6
60	Optimal active suspension control based on a quarter-car model: an analytical solution. International Journal of Vehicle Safety, 2010, 5, 1.	0.2	3
61	Colonial competitive algorithm. International Journal of Intelligent Computing and Cybernetics, 2008, 1, 337-355.	2.7	211
62	Designing MIMO PIID controller using colonial competitive algorithm: Applied to distillation column process. , 2008, , .		28
63	Semi-global enlargement of domain of attraction for a class of affine nonlinear systems. , 2006, , .		1
64	Mixture weighted gating and its application to target tracking. , 2006, , .		1
65	Semi-Global Enlargement of Domain of Attraction for a Class of Affine Nonlinear Systems. , 2006, , .		5
66	Evaluation of efficiency of membrane submerged reactor (MSR) in water treatment using ferric chloride (FeCl3) coagulant with flocculation agents of polyelectrolyte and lime (CaO). , 0, 231, 315-328.		0
67	Robust event-triggered finite-time control of faulty networked flexible manipulator under external disturbance. JVC/Journal of Vibration and Control, 0, , 107754632110470.	2.6	2