

Farzad Hashemzadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6542995/publications.pdf>

Version: 2024-02-01

67
papers

1,202
citations

759233

12
h-index

395702

33
g-index

67
all docs

67
docs citations

67
times ranked

1163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Nonlinear disturbance observer design for robotic manipulators. <i>Control Engineering Practice</i> , 2013, 21, 253-267. | 5.5 | 361 |
| 2 | Colonial competitive algorithm. <i>International Journal of Intelligent Computing and Cybernetics</i> , 2008, 1, 337-355. | 2.7 | 211 |
| 3 | Prescribed performance distance-based formation control of Multi-Agent Systems. <i>Automatica</i> , 2020, 119, 109086. | 5.0 | 98 |
| 4 | Teleoperation in the presence of varying time delays and sandwich linearity in actuators. <i>Automatica</i> , 2013, 49, 2813-2821. | 5.0 | 59 |
| 5 | Position and force tracking in nonlinear teleoperation systems under varying delays. <i>Robotica</i> , 2015, 33, 1003-1016. | 1.9 | 48 |
| 6 | Finite-Time Rigidity-Based Formation Maneuvering of Multiagent Systems Using Distributed Finite-Time Velocity Estimators. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 4473-4484. | 9.5 | 38 |
| 7 | Position and force tracking in nonlinear teleoperation systems with sandwich linearity in actuators and time-varying delay. <i>Mechanical Systems and Signal Processing</i> , 2017, 86, 308-324. | 8.0 | 35 |
| 8 | Nonlinear trilateral teleoperation stability analysis subjected to time-varying delays. <i>Control Engineering Practice</i> , 2016, 56, 123-135. | 5.5 | 34 |
| 9 | A new robust observer-based adaptive type-2 fuzzy control for a class of nonlinear systems. <i>Applied Soft Computing Journal</i> , 2015, 37, 204-216. | 7.2 | 30 |
| 10 | Designing MIMO PIID controller using colonial competitive algorithm: Applied to distillation column process. , 2008, , . | | 28 |
| 11 | Adaptive Control for State Synchronization of Nonlinear Haptic Telerobotic Systems with Asymmetric Varying Time Delays. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2012, 68, 245-259. | 3.4 | 24 |
| 12 | Dual-user nonlinear teleoperation subjected to varying time delay and bounded inputs. <i>ISA Transactions</i> , 2017, 68, 33-47. | 5.7 | 20 |
| 13 | Surrounding control of nonlinear multi-agent systems with non-identical agents. <i>ISA Transactions</i> , 2017, 70, 219-227. | 5.7 | 16 |
| 14 | Stability analysis of the linear discrete teleoperation systems with stochastic sampling and data dropout. <i>European Journal of Control</i> , 2018, 41, 63-71. | 2.6 | 12 |
| 15 | A cooperative paradigm for task-space control of multilateral nonlinear teleoperation with bounded inputs and time-varying delays. <i>Mechatronics</i> , 2019, 62, 102255. | 3.3 | 12 |
| 16 | An adaptive robust control scheme for robot manipulators with unknown backlash nonlinearity in gears. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 2789-2802. | 1.7 | 12 |
| 17 | Task-space synchronisation of nonlinear teleoperation with time-varying delays and actuator saturation. <i>International Journal of Control</i> , 2020, 93, 1328-1344. | 1.9 | 12 |
| 18 | Finite-time-estimation-based surrounding control for a class of unknown nonlinear multi-agent systems. <i>Nonlinear Dynamics</i> , 2019, 96, 1795-1804. | 5.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Decentralized switched model-based predictive control for distributed large-scale systems with topology switching. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 38, 100912. | 3.5 | 11 |
| 20 | Controlled Synchronization of Nonlinear Teleoperation in Task-space with Time-varying Delays. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 1875-1883. | 2.7 | 10 |
| 21 | Leader-Follower Fixed-Time Consensus for Multi-agent Systems with Heterogeneous Non-linear Inherent Dynamics. , 2016, , . | | 9 |
| 22 | Optimal L1 control for linear time-delayed systems using GSA algorithm. , 2016, , . | | 8 |
| 23 | Exponential stability of bilateral sampled-data teleoperation systems using multirate approach. <i>ISA Transactions</i> , 2020, 105, 190-197. | 5.7 | 8 |
| 24 | Scaled Consensus Tracking Under Constant Time Delay. <i>IFAC-PapersOnLine</i> , 2016, 49, 240-243. | 0.9 | 7 |
| 25 | Performance tuning for robot manipulators using intelligent robust controller. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2011, 225, 385-392. | 1.0 | 6 |
| 26 | A New Method for Bilateral Teleoperation Passivity under Varying Time Delays. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-19. | 1.1 | 6 |
| 27 | A new adaptive neural network based observer for robotic manipulators. , 2015, , . | | 6 |
| 28 | Event-triggered surrounding adaptive control of nonlinear multi-agent systems. <i>ISA Transactions</i> , 2022, 128, 44-57. | 5.7 | 6 |
| 29 | On distance-based formation control: A nonlinear mapping approach and its applications. , 2017, , . | | 5 |
| 30 | A New Fractional-order Control Method for Robust Synchronization Between Fractional-order Uncertain Permanent Magnet Synchronous Motors. , 2019, , . | | 5 |
| 31 | Control for Leader-Follower Consensus of Multi-agent Systems with Actuator Faults Using Decentralized Robust Fault-tolerant Control. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2021, 45, 529-541. | 2.3 | 5 |
| 32 | Delay-Robust Nonlinear Control of Bounded-Input Telerobotic Systems With Synchronization Enhancement. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 2493-2500. | 5.1 | 5 |
| 33 | Semi-Global Enlargement of Domain of Attraction for a Class of Affine Nonlinear Systems. , 2006, , . | | 5 |
| 34 | Adaptive control of nonlinear teleoperation systems with varying asymmetric time delays. , 2012, , . | | 4 |
| 35 | Consensus Control of Hierarchical Multi-agent Systems with Constant and Time-Varying Delays. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2018, 42, 479-484. | 2.3 | 4 |
| 36 | Robust stabilization of discrete-time switched systems with state delay and parametric uncertainty via model predictive control approach. , 2019, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Optimal active suspension control based on a quarter-car model: an analytical solution. International Journal of Vehicle Safety, 2010, 5, 1. | 0.2 | 3 |
| 38 | 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 |
| 39 | Distributed fault tolerant control and estimation for leader-follower consensus of multi-agent systems with actuator faults. , 2017, , . | | 2 |
| 40 | Adaptive surrounding control for linear multi-agent systems with unknown disturbance. IOP Conference Series: Materials Science and Engineering, 2018, 361, 012024. | 0.6 | 2 |
| 41 | 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 |
| 42 | 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 |
| 43 | Semi-global enlargement of domain of attraction for a class of affine nonlinear systems. , 2006, , . | | 1 |
| 44 | Mixture weighted gating and its application to target tracking. , 2006, , . | | 1 |
| 45 | 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 |
| 46 | State feedback time-optimal controller for linear systems with input delay. , 2015, , . | | 1 |
| 47 | Time Optimal Control and Switching Curve Analysis for Caputo Fractional Systems. , 2016, , . | | 1 |
| 48 | An analytical eigenvalue assignment of linear time-delay systems using Lambert W function. , 2017, , . | | 1 |
| 49 | Position and velocity synchronization in bilateral teleoperation in presence of stochastic disturbances in control inputs. , 2017, , . | | 1 |
| 50 | Scaled Consensus of Multi-agent Systems under Time Delay. , 2018, , . | | 1 |
| 51 | Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , . | | 1 |
| 52 | Task-Space Position and Containment Control of Redundant Manipulators with Bounded Inputs. , 2019, , . | | 1 |
| 53 | Extended hybrid control scheme for asynchronous switching. Journal of the Franklin Institute, 2021, 358, 1693-1714. | 3.4 | 1 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Observer-based controller design for a class of networked control systems with transmission delays and packet losses. , 2021, , . | | 1 |
| 56 | Asymmetrical Gating with Application on Maneuvering Target Tracking. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-8. | 2.3 | 0 |
| 57 | Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , . | | 0 |
| 58 | Delay-independent Li controller for linear systems with time-varying delay. , 2017, , . | | 0 |
| 59 | Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , . | | 0 |
| 60 | Hybrid driven based robust stabilization for networked control systems. , 2017, , . | | 0 |
| 61 | An Optimized Controller for Region of Attraction Enlargement of Underactuated Systems Using Impulse Manifold Method. , 2018, , . | | 0 |
| 62 | A new observer based Robust output feedback Controller on Coaxial Tri-copter. , 2019, , . | | 0 |
| 63 | Economic Model Predictive Controller Design with a New Cost Function for Linear Systems. , 2021, , . | | 0 |
| 64 | Robust stabilization of a class of switched nonlinear systems with time-varying delay and parametric uncertainty under asynchronous switching. , 2020, , . | | 0 |
| 65 | Evaluation of efficiency of membrane submerged reactor (MSR) in water treatment using ferric chloride (FeCl ₃) coagulant with flocculation agents of polyelectrolyte and lime (CaO). , 0, 231, 315-328. | | 0 |
| 66 | The Effect of Observer Position on Networked Control Systems with Random Transmission Delays and Packet Dropouts. , 2022, , . | | 0 |
| 67 | Consensus Tracking of Multi-Agent Systems in The Presence of Byzantine Agents Using Model Predictive Control. , 2022, , . | | 0 |