

Duc-Thien Tran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5594512/publications.pdf>

Version: 2024-02-01

29
papers

461
citations

687220

13
h-index

752573

20
g-index

29
all docs

29
docs citations

29
times ranked

279
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Adaptive Backstepping Sliding Mode Control for Equilibrium Position Tracking of an Electrohydraulic Elastic Manipulator. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3860-3869. | 5.2 | 64 |
| 2 | Disturbance Observer Based Finite Time Trajectory Tracking Control for a 3 DOF Hydraulic Manipulator Including Actuator Dynamics. <i>IEEE Access</i> , 2018, 6, 36798-36809. | 2.6 | 46 |
| 3 | Adaptive Fuzzy Backstepping Sliding Mode Control for a 3-DOF Hydraulic Manipulator with Nonlinear Disturbance Observer for Large Payload Variation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3290. | 1.3 | 40 |
| 4 | Nonlinear Extended State Observer Based on Output Feedback Control for a Manipulator With Time-Varying Output Constraints and External Disturbance. <i>IEEE Access</i> , 2019, 7, 156860-156870. | 2.6 | 31 |
| 5 | Adaptive sliding mode control based nonlinear disturbance observer for active suspension with pneumatic spring. <i>Journal of Sound and Vibration</i> , 2021, 509, 116241. | 2.1 | 29 |
| 6 | Adaptive Backstepping Sliding Mode Control Based RBFNN for a Hydraulic Manipulator Including Actuator Dynamics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1265. | 1.3 | 25 |
| 7 | Adaptive Nonsingular Fast Terminal Sliding mode Control of Robotic Manipulator Based Neural Network Approach. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 417-429. | 1.1 | 25 |
| 8 | Robust position and vibration control of an electrohydraulic series elastic manipulator against disturbance generated by a variable stiffness actuator. <i>Mechatronics</i> , 2018, 52, 22-35. | 2.0 | 21 |
| 9 | Output Feedback Control via Linear Extended State Observer for an Uncertain Manipulator with Output Constraints and Input Dead-Zone. <i>Electronics (Switzerland)</i> , 2020, 9, 1355. | 1.8 | 20 |
| 10 | Active Fault Tolerant Control System Design for Hydraulic Manipulator With Internal Leakage Faults Based on Disturbance Observer and Online Adaptive Identification. <i>IEEE Access</i> , 2021, 9, 23850-23862. | 2.6 | 19 |
| 11 | Extended High Gain Observer-Based Sliding Mode Control for an Electro-hydraulic System with a Variant Payload. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 2089-2100. | 1.1 | 17 |
| 12 | Tracking Control for an Electro-Hydraulic Rotary Actuator Using Fractional Order Fuzzy PID Controller. <i>Electronics (Switzerland)</i> , 2020, 9, 926. | 1.8 | 17 |
| 13 | A Neural Network Based Sliding Mode Control for Tracking Performance with Parameters Variation of a 3-DOF Manipulator. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2023. | 1.3 | 16 |
| 14 | Adaptive Neural Command Filtered Control for Pneumatic Active Suspension With Prescribed Performance and Input Saturation. <i>IEEE Access</i> , 2021, 9, 56855-56868. | 2.6 | 15 |
| 15 | Adaptive Sliding Mode Control for a Robotic Manipulator with Unknown Friction and Unknown Control Direction. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3919. | 1.3 | 13 |
| 16 | RBF Neural Network Based Backstepping Control for an Electrohydraulic Elastic Manipulator. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2237. | 1.3 | 11 |
| 17 | Synchronization Sliding Mode Control of Closed-Kinematic Chain Robot Manipulators with Time-Delay Estimation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5527. | 1.3 | 11 |
| 18 | A Robust Observer for Sensor Faults Estimation on n-DOF Manipulator in Constrained Framework Environment. <i>IEEE Access</i> , 2021, 9, 88439-88451. | 2.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Disturbance Observer-Based Chattering-Attenuated Terminal Sliding Mode Control for Nonlinear Systems Subject to Matched and Mismatched Disturbances. Applied Sciences (Switzerland), 2021, 11, 8158. | 1.3 | 7 |
| 20 | Adaptive gain back-stepping sliding mode control for electrohydraulic servo system with uncertainties. , 2017, , . | | 5 |
| 21 | Kinematics, Dynamics and Control Design for a 4-DOF Robotic Manipulator. , 2021, , . | | 5 |
| 22 | A consensus sliding mode control for trajectory tracking of multiple manipulators. , 2021, , . | | 4 |
| 23 | A Shortest Smooth-path Motion Planning for a Mobile Robot with Nonholonomic Constraints. , 2021, , . | | 4 |
| 24 | Finite-Time Fault-Tolerant Control for a Robotic Manipulator With Output Constraint and Uncertainties. IEEE Access, 2021, 9, 146771-146782. | 2.6 | 3 |
| 25 | Fractional Order Fuzzy PID Controller for an Electro-Hydraulic Rotary Actuator. , 2019, , . | | 2 |
| 26 | A Finite -Time Robust Control for a Manipulator with Output Constraints and Unknown Control Directions. , 2020, , . | | 2 |
| 27 | Barrier Lyapunov Function Based Output Control and Extended State Observer for a Manipulator with Time-Varying Output Constraints and Uncertainties. , 2019, , . | | 1 |
| 28 | Kinematics and Dynamics for a 4-DOF Parallel Robot. , 2021, , . | | 1 |
| 29 | Command filter backstepping control of a 2-DOF cable-driven manipulator. , 2021, , . | | 0 |