Duc-Thien Tran

List of Publications by Year
in descending order

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	Synchronization Sliding Mode Control of Closed-Kinematic Chain Robot Manipulators with Time-Delay Estimation. Applied Sciences (Switzerland), 2022, 12, 5527.	1.3	11
2	Active Fault Tolerant Control System Design for Hydraulic Manipulator With Internal Leakage Faults Based on Disturbance Observer and Online Adaptive Identification. IEEE Access, 2021, 9, 23850-23862.	2.6	19
3	A Robust Observer for Sensor Faults Estimation on n-DOF Manipulator in Constrained Framework Environment. IEEE Access, 2021, 9, 88439-88451.	2.6	7
4	Adaptive Nonsingular Fast Terminal Sliding mode Control of Robotic Manipulator Based Neural Network Approach. International Journal of Precision Engineering and Manufacturing, 2021, 22, 417-429.	1.1	25
5	Adaptive Sliding Mode Control for a Robotic Manipulator with Unknown Friction and Unknown Control Direction. Applied Sciences (Switzerland), 2021, 11, 3919.	1.3	13
6	A consensus sliding mode control for trajectory tracking of multiple manipulators. , 2021, , .		4
7	Kinematics, Dynamics and Control Design for a 4-DOF Robotic Manipulator. , 2021, , .		5
8	A Shortest Smooth-path Motion Planning for a Mobile Robot with Nonholonomic Constraints. , 2021, , .		4
9	Kinematics and Dynamics for a 4-DOF Parallel Robot. , 2021, , .		1
10	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
11	Adaptive sliding mode control based nonlinear disturbance observer for active suspension with pneumatic spring. Journal of Sound and Vibration, 2021, 509, 116241.	2.1	29
12	Adaptive Neural Command Filtered Control for Pneumatic Active Suspension With Prescribed Performance and Input Saturation. IEEE Access, 2021, 9, 56855-56868.	2.6	15
13	Finite-Time Fault-Tolerant Control for a Robotic Manipulator With Output Constraint and Uncertainties. IEEE Access, 2021, 9, 146771-146782.	2.6	3
14	Command filter backstepping control of a 2-DOF cable-driven manipulator. , 2021, , .		0
15	Adaptive Backstepping Sliding Mode Control for Equilibrium Position Tracking of an Electrohydraulic Elastic Manipulator. IEEE Transactions on Industrial Electronics, 2020, 67, 3860-3869.	5.2	64
16	Output Feedback Control via Linear Extended State Observer for an Uncertain Manipulator with Output Constraints and Input Dead-Zone. Electronics (Switzerland), 2020, 9, 1355.	1.8	20
17	Tracking Control for an Electro-Hydraulic Rotary Actuator Using Fractional Order Fuzzy PID Controller. Electronics (Switzerland), 2020, 9, 926.	1.8	17
18	A Finite -Time Robust Control for a Manipulator with Output Constraints and Unknown Control Directions. , 2020, , .		2

#	Article	IF	Citations
19	Adaptive Fuzzy Backstepping Sliding Mode Control for a 3-DOF Hydraulic Manipulator with Nonlinear Disturbance Observer for Large Payload Variation. Applied Sciences (Switzerland), 2019, 9, 3290.	1.3	40
20	Extended High Gain Observer-Based Sliding Mode Control for an Electro-hydraulic System with a Variant Payload. International Journal of Precision Engineering and Manufacturing, 2019, 20, 2089-2100.	1.1	17
21	Nonlinear Extended State Observer Based on Output Feedback Control for a Manipulator With Time-Varying Output Constraints and External Disturbance. IEEE Access, 2019, 7, 156860-156870.	2.6	31
22	A Neural Network Based Sliding Mode Control for Tracking Performance with Parameters Variation of a 3-DOF Manipulator. Applied Sciences (Switzerland), 2019, 9, 2023.	1.3	16
23	RBF Neural Network Based Backstepping Control for an Electrohydraulic Elastic Manipulator. Applied Sciences (Switzerland), 2019, 9, 2237.	1.3	11
24	Adaptive Backstepping Sliding Mode Control Based RBFNN for a Hydraulic Manipulator Including Actuator Dynamics. Applied Sciences (Switzerland), 2019, 9, 1265.	1.3	25
25	Barrier Lyapunov Function Based Output Control and Extended State Observer for a Manipulator with Time-Varying Output Constraints and Uncertainties. , 2019, , .		1
26	Fractional Order Fuzzy PID Controller for an Electro-Hydraulic Rotary Actuator. , 2019, , .		2
27	Disturbance Observer Based Finite Time Trajectory Tracking Control for a 3 DOF Hydraulic Manipulator Including Actuator Dynamics. IEEE Access, 2018, 6, 36798-36809.	2.6	46
28	Robust position and vibration control of an electrohydraulic series elastic manipulator against disturbance generated by a variable stiffness actuator. Mechatronics, 2018, 52, 22-35.	2.0	21
29	Adaptive gain back-stepping sliding mode control for electrohydraulic servo system with uncertainties. , 2017, , .		5